

**AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines**  
Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Tarraste, Marek; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Ghahfarokhi, Payam Shams Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Accessible battery model with aging dependency**

Savard, Christophe; Iakovleva, Emilia; Ivanchenko, Daniil; **Rassõlkin, Anton** Energies 2021 / art. 3493, 16 p  
<https://doi.org/10.3390/en14123493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Acoustic noise computation of electrical motors using the boundary element method**

Sathyan, Sabin; Aydin, Ugur; **Belahcen, Anouar** Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Additive Manufacturing and Performance of E-Type Transformer Core**

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas; Ghahfarokhi, Payam Shams Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Additive manufacturing of electrical machines - towards the industrial use of a novel technology**

Vaimann, Toomas; Kallaste, Ants Energies 2023 / art. 544 <https://doi.org/10.3390/en16010544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context**

Usmani, Zeba; Sharma, Minaxi; Karpichev, Yevgen Renewable and sustainable energy reviews 2020 / art. 109965, 16 p. : ill <https://doi.org/10.1016/j.rser.2020.109965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Advances in climatic form finding in architecture and urban design**

De Luca, Francesco Energies 2023 / art. 3935 <https://doi.org/10.3390/en16093935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Advances in nanomaterials induced biohydrogen production using waste biomass**

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; Kausar, Mohd Adnan; Saeed, Mohd; **Gupta, Vijai Kumar**; Singh, Rajeev; Ramteke, Pramod Wasudeo Bioresource Technology 2020 / art. 123094 <https://doi.org/10.1016/j.biortech.2020.123094> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell**

Linge, Jonas Mart; Erikson, Heiki; Mooste, Marek; Piirsoo, Helle-Mai; **Kaljuvee, Tiit**; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; Kannan, Arunachala Mada; Tammeveski, Kaido International Journal of Hydrogen Energy 2023 / p. 11058-11070  
<https://doi.org/10.1016/j.ijhydene.2022.12.138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**AI applications to enhance resilience in power systems and microgrids - a review**

Zahraoui, Younes; **Korõtko, Tarmo**; **Rosin, Argo**; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex; Alhamrouni, Ibrahim Sustainability 2024 / art. 4959 <https://doi.org/10.3390/su16124959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Air distribution and air handling unit configuration effects on energy performance in an air-heated ice rink arena**

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; **Kurnitski, Jarek** Energies 2019 / art. 693, 21 p. : ill <https://doi.org/10.3390/en12040693> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**All-solution-processed transparent front contact for monograin layer kesterite solar cells**

Edinger, Stefan; Bansal, Neha; Wibowo, Adhi Rachmat; Winkler, Nina; Ilich, Peter; Zechmeister, Armin; Plessing, Lukas; **Meissner, Dieter** Progress in photovoltaics : research and applications 2019 / p. 547-555 <https://doi.org/10.1002/ppp.3122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ammonia production as alternative energy for the Baltic Sea Region**

Prause, Gunnar Klaus; Olaniyi, Eunice Omolola; **Gerstlberger, Wolfgang Dieter** Energies 2023 / art. 1831  
<https://doi.org/10.3390/en16041831> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of energy economic renovation for historic wooden apartment buildings in cold climates**

Arumägi, Endrik; Kalamees, Targo Applied energy 2014 / p. 540-548 : ill <https://doi.org/10.1016/j.apenergy.2013.10.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of fault-tolerant operation capabilities of an isolated bidirectional current-source DC–DC converter**

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Ivakhno, Volodymyr Energies 2019 / art. 3203, p. 14 : ill  
<https://doi.org/10.3390/en12163203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of grain orientation and defects in Sb<sub>2</sub>Se<sub>3</sub> solar cells fabricated by close-spaced sublimation : [journal article]**  
**Krautmann, Robert; Spalatu, Nicolae;** Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Krunks, Malle; Oja Acik, Ilona** Solar energy 2021 / p. 494-500 <https://doi.org/10.1016/j.solener.2021.07.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study**  
**Rosin, Argo; Drovtar, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo** Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region**  
**Ahmadihangar, Roya;** Karami, Hossein; **Husev, Oleksandr; Blinov, Andrei; Rosin, Argo;** Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Anomaly detection and classification in power system state estimation: Combining model-based and data-driven methods**

**Asefi, Sajjad;** Mitrovic, Mile; Cetenovic, Dragan; Levi, Victor; Gryazina, Elena; Terzija, Vladimir Sustainable energy, grids and networks 2023 / art. 101116, 14 p. : ill <https://doi.org/10.1016/j.segan.2023.101116> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Applications of fungal cellulases in biofuel production : advances and limitations**

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; **Gupta, Vijai Kumar;** Molina, Gustavo; Rodriguez-Couto, Susana; Manikanta, Ambepu; Ramteke, Pramod Wasudeo Renewable and Sustainable Energy Reviews 2018 / p. 2379 - 2386 <https://doi.org/10.1016/j.rser.2017.08.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Applications of game theory to design and operation of modern power systems: a comprehensive review**

Navon, Aviad; Yosef, Gefen Ben; Machlev, Ram; Shapira, Shmuel; Chowdhury, Nilanjan Roy; **Belikov, Juri;** Orda, Ariel; Levron, Yoash Energies 2020 / art. 3982, 34 p <https://doi.org/10.3390/en13153982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Approaches to strengthen the social cohesion between displaced and host communities**

Jayakody, Chathurangane; Malalgoda, Chamindi; **Witt, Emlyn David Qivitoq** Sustainability 2022 / art. 3413 <https://doi.org/10.3390/su14063413> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO<sub>2</sub> capture sorbent**

**Puthiya Veetil, Sanoop Kumar; Rebane, Kaarel; Yörük, Can Rüstü; Lopp, Margus; Trikkel, Andres; Hitch, Michael William** Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ash and flue gas from oil shale oxy-fuel circulating fluidized bed combustion**

**Loo, Lauri; Konist, Alar; Nešumajev, Dmitri; Pihu, Tõnu; Maaten, Birgit; Siirde, Andres** Energies 2018 / art. 1218, 12 p. : ill <https://doi.org/10.3390/en11051218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ash melting behaviour of wheat straw blends with wood and reed**

**Link, Siim;** Yrjas, Patrik; Hupa, Leena Renewable Energy 2018 / p. 11-20 : ill <https://doi.org/10.1016/j.renene.2017.09.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessing the openness and conviviality of open source technology : The case of the WikiHouse**

**Priavoulou, Christina;** Niaros, Vasileios Sustainability 2019 / art. 4746, 16 p. : ill <https://doi.org/10.3390/su11174746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of power system asset dispatch under different local energy community business models**

**Korõtko, Tarmo; Plaum, Freddy; Häring, Tobias;** Mutule, Anna; Lazdins, Roberts; Boršcevisks, Olegs; **Rosin, Argo;** Carroll, Paula Energies 2023 / art. 3476 <https://doi.org/10.3390/en16083476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of the development limitations for wave energy utilization in the Baltic Sea**

**Vidjajev, Nikon; Palu, Riina; Terentjev, Jan; Hilmola, Olli-Pekka Kristian; Alari, Victor** Sustainability 2022 / art. 2832 <https://doi.org/10.3390/su14052832> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Au/Ga<sub>2</sub>O<sub>3</sub>/ZnO heterostructure nanorods arrays for effective photoelectrochemical water splitting**

**Abdalla, Akram;** Khan, Ibrahim; Sohail, Manzar; Qurash, Ansanulhaq Solar energy 2019 / p. 333-338 : ill <https://doi.org/10.1016/j.solener.2019.01.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Autothermal Siberian pine nutshell pyrolysis maintained by exothermic reactions**

Astafev, Alexander; Shanenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; **Preis, Sergei** Energies 2022 / art. 7118

**Band gap engineering by cationic substitution in Sn(Zr1-xTix)Se3 alloy for bottom sub-cell application in solar cells**

Kondrotas, Rokas; Pakstas, Vidas; Franckevicius, Marius; Suchodolskis, Arturas; Tumenas, Saulius; Jasinskas, Vidmantas; Juskenas, Remigijus; Krotkus, Arunas; **Muska, Katri; Kauk-Kuusik, Marit** Journal of materials chemistry A 2023 / p. 26488–26498 : ill <https://doi.org/10.1039/D3TA05550G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Basic design principles of nZEB buildings in scoping and conceptual design**

**Voll, Hendrik**; Kosonen, Risto; **Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 103-134 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_7](https://doi.org/10.1007/978-1-4471-5610-9_7) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Batch and fed-batch ethanol fermentation of cheese-whey powder with mixed cultures of different yeasts**

Farkas, Csilla; Rezessy-Szabo, Judit M.; **Gupta, Vijai Kumar**; Bujna, Erika; Pham, Tuan M.; Pásztor-Huszár, K.; Friedrich, László; Bhat, Rajeev; Thakur, Vijay Kumar; Nguyen, Quang D. Energies 2019 / Art. 4495 <https://doi.org/10.3390/en12234495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Battery storage technologies for electrical applications : impact in stand-alone photovoltaic systems**

Akinyele, Daniel; **Belikov, Juri**; Levron, Yoash Energies 2017 / art. 1760, 39 p. : ill <https://doi.org/10.3390/en10111760> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The bearing faults detection methods for electrical machines — the state of the art**

Khan, Muhammad Amir; **Asad, Bilal; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants** Energies 2023 / art. 296 <https://doi.org/10.3390/en16010296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Beneficial effects of stoichiometry and nanostructure for a LiBH<sub>4</sub>-MgH<sub>2</sub> hydrogen storage system**

Hu, Jianjiang; **Witter, Raiker**; Shao, Huaiyu; Felderhoff, Michael; Fichtner, Maximilian Journal of materials chemistry A 2014 / p. 66-72 : ill <https://doi.org/10.1039/C3TA13775A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bidirectional twisted single-stage single-phase buck-boost DC-AC converter**

**Husev, Oleksandr; Matiushkin, Oleksandr**; Roncero-Clemente, Carlos; **Vinnikov, Dmitri**; Chopyk, Vasiliy Energies 2019 / art. 3505, 14 p. : ill <https://doi.org/10.3390/en12183505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bioenergy yields from sequential bioethanol and biomethane production: An optimized process flow**

Rocha-Meneses, Lisandra; **Otor, Oghenetaji Frances; Bonturi, Nemailla**; Orupöld, Kaja; Kikas, Timo Sustainability 2020 / art. 272 <https://doi.org/10.3390/su12010272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact**

**Usmani, Zeba**; Sharma, Minaxi; Awasthi, Abhishek Kumar; Sivakumar, Nallusamy; **Lukk, Tiit** Bioresource technology 2021 / art. 124548, 12 p. : ill <https://doi.org/10.1016/j.biortech.2020.124548> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Blockchain for LBG maritime energy contracting and value chain management : a green shipping business model for seaport**

**Philipp, Robert** Environmental and Climate Technologies 2020 / p. 329-349 <https://doi.org/10.2478/rtuect-2020-0107> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bringing the community back : a case study of the post-earthquake heritage restoration in Kathmandu Valley**

Lekakis, Stelios; **Shakya, Shobhit; Kostakis, Vasileios** Sustainability 2018 / art. 2798, 17 p. : ill <https://doi.org/10.3390/su10082798> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Buildings' energy efficiency measures effect on CO<sub>2</sub> emissions in combined heating, cooling and electricity production**

Pylsy, Petri; **Lylykangas, Kimmo Sakari; Kurnitski, Jarek** Renewable and sustainable energy reviews 2020 / art. 110299, 18 p : ill <https://doi.org/10.1016/j.rser.2020.110299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Business development models for regional airports - case studies from the Baltic Sea region**

**Beifert, Anatoli** Journal of security and sustainability issues 2015 / p. 199-212 : tab <https://journals.lka.lt/journal/jssi/article/1520/info> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Business models amid changes in regulation and environment : The case of Finland-Russia**

Lähdeaho, Oskari; **Hilmola, Olli-Pekka Kristian** Sustainability 2020 / art. 3393, 18 p <https://doi.org/10.3390/su12083393> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cascade sub-low temperature district heating networks in existing district heating systems**

**Volkova, Anna**; Reuter, Stefan; Puschnigg, Stefan Smart Energy 2022 / art. 100064 <https://doi.org/10.1016/j.segy.2022.100064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Catalytic effect of oil shale ash on CO<sub>2</sub> gasification of leached wheat straw and reed chars**

**Link, Siim**; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; **Rosin, Argo** Energy 2018 / p. 906-913

<https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Challenges and perspectives of nature-based wastewater treatment and reuse in rural areas of Central and Eastern Europe**

Istenič, Darja; Bodík, Igor; **Merisaar, Maret**; Gajewska, Magdalena; Šereš, Michal; Griessler Bulc, Tjaša Sustainability (Switzerland) 2023 / art. 8145 <https://doi.org/10.3390/su15108145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Challenges and strategies for bio-based and biodegradable plastic waste management in Europe**

Stasiškienė, Žaneta; Barbir, Jelena; Draudvilienė, Lina; Chong, Zhi Kai; Kuchta, Kerstin; **Voronova, Viktoria**; Leal Filho, Walter Sustainability (Switzerland) 2022 / art. 16476 <https://doi.org/10.3390/su142416476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Challenges of microgrids in remote communities: a STEEP model application**

Akinyele, Daniel; **Belikov, Juri**; Levron, Yoash Energies 2018 / art. 432, 35 p. : ill <https://doi.org/10.3390/en11020432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

### **Characterising local environments in high energy density Li-ion battery cathodes: A combined NMR and first principles study of LiFe<sub>0.9</sub>Co<sub>0.1</sub>PO<sub>4</sub>**

Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu, Zhouguang; Hanna, John V.; Pintacuda, Guido; **Samoson, Argo** Journal of materials chemistry A 2014 / p. 11948-11957 : ill <https://doi.org/10.1039/c4ta00934g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterization of the ensemble of lignin-remodeling DyP-type Peroxidases from Streptomyces coelicolor A3(2)**

Pupart, Hegne; Jõul, Piia; **Bramanis, Melissa Ingela**; Lukk, Tiit Energies 2023 / art. 1557, 15 p. : ill

<https://doi.org/10.3390/en16031557> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterizing energy flexibility of buildings with electric vehicles and shiftable appliances on single building level and aggregated level**

**Azizi, Elnaz**; **Ahmadihangar, Roya**; **Rosin, Argo**; Bolouki, Sadegh Sustainable cities and society 2022 / art. 103999

<https://doi.org/10.1016/j.scs.2022.103999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Charging infrastructure planning for electric vehicle in India : present status and future challenges**

Sachan, Sulabh; **Singh, Praveen Prakash** Regional Sustainability 2022 / p. 335 - 345 <https://doi.org/10.1016/j.regsus.2022.11.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **The circular economy innovation potential behind the scarcity of raw materials—A literature review**

**Kraut, Elisabeth Paula Martina**; Wellbrock, Wanja; **Gerstlberger, Wolfgang Dieter** Urban and transit planning : city planning: urbanization and circular development 2023 / p. 201-206 [https://doi.org/10.1007/978-3-031-20995-6\\_18](https://doi.org/10.1007/978-3-031-20995-6_18) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Cities4ZERO approach to foresight for fostering smart energy transition on municipal level**

Tatar, Merit; **Kalvet, Tarmo**; **Tiits, Marek** Energies 2020 / art. 3533 <https://doi.org/10.3390/en13143533> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Clean cruise shipping : experience from the BSR**

Olaniyi, Eunice Omolola; **Prause, Gunnar Klaus**; **Gerasimova, Vera**; Inkinen, Tommi Sustainability 2022 / art. 5002, 17 p <https://doi.org/10.3390/su14095002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cleaning of floating photovoltaic systems : a critical review on approaches from technical and economic perspectives**

Zahedi, Rafi; Ranjbaran, Parisa; Gharehpetian, Gevork B.; Mohammadi, Fazel; **Ahmadihangar, Roya** Energies 2021 / art. 2018, 25 p. : ill <https://doi.org/10.3390/en14072018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Closed-loop control system design for wireless charging of low-voltage EV batteries with time-delay constraints**

Shevchenko, Viktor; Pakhaliuk, Bohdan; Zakis, Janis; Veligorskyi, Oleksandr; Luszcz, Jaroslaw; **Husev, Oleksandr**; Lytvyn, Oksana; **Matiushkin, Oleksandr** Energies 2021 / art. 3934, 21 p. : ill <https://doi.org/10.3390/en14133934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CO<sub>2</sub> emission intensity of the Estonian DH sector**

**Latšov, Eduard**; Umbleja, Siim; **Volkova, Anna** Smart Energy 2022 / art. 100070 <https://doi.org/10.1016/j.segy.2022.100070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Co-digestion of sewage sludge and sterilized solid slaughterhouse waste : methane production efficiency and process**



## limitations

**Pitk, Peep**; Kaparaju, Prasad; Palatsi, Jordi; Affes, Rim; **Vilu, Raivo** Bioresource technology 2013 / p. 227-232 : ill <https://www.sciencedirect.com/science/article/pii/S0960852413002526> <https://doi.org/10.1016/j.biortech.2013.02.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Co-gasification of biomass and oil shale under CO<sub>2</sub> atmosphere : comparative analysis of fixed-bed reactor, gas chromatography and thermogravimetric analysis coupled with mass spectroscopy (TGA-MS)

**Sinisaalu, Mari**; Järvi, Oliver; **Mets, Birgit**; **Konist, Alar** Bioresource technology 2024 / art. 130086 <https://doi.org/10.1016/j.biortech.2023.130086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## A combined analysis of the drying and decomposition kinetics of wood pyrolysis using non-isothermal thermogravimetric methods

Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shiplu Energy conversion and management : X 2023 / art. 100424, 12 p. : ill <https://doi.org/10.1016/j.ecmx.2023.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Combined processes for wastewater purification : treatment of a typical landfill leachate with a combination of chemical and biological oxidation processes

**Klauson, Deniss**; Kivi, Arthur; **Kattel, Eneliis**; Klein, Kati; **Viisimaa, Marika**; **Bolobajev, Juri**; Velling, Siiri; **Goi, Anna**; Tenno, Taavo; **Trapido, Marina** Journal of chemical technology and biotechnology 2015 / p. 1527-1536 : ill <https://doi.org/10.1002/jctb.4484> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Combining bioenergy and nature conservation: An example in wetlands

Melts, Indrek; **Ivask, Mari**; Geetha, Mohan; Takeuchi, Kazuhiko; Heinsoo, Katrin Renewable and sustainable energy reviews 2019 / p. 293-302 <https://doi.org/10.1016/j.rser.2019.05.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparative analysis of intelligent braking controllers for electric vehicles

**Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** Renewable energy and power quality journal 2022 / p. 55-60 <https://doi.org/10.24084/repqj20.217> [Journal metrics at Scopus](#) [Article at Scopus](#)

## Comparative assessment of heat recovery from treated wastewater in the district heating systems of the three capitals of the Baltic countries

**Ziemele, Jelena**; **Volkova, Anna**; **Latšov, Eduard**; Murauskaite, Lina; Džiuvė, Vytautas Energy 2023 / art. 128132 <https://doi.org/10.1016/j.energy.2023.128132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparative evaluation of common-ground converters for dual-purpose application

**Hemmati Shahsavari, Tala**; **Rahimpour, Saeed**; **Vosoughi Kurdkandi, Naser**; Fesenko, Artem; **Matiushkin, Oleksandr**; **Husev, Oleksandr**; **Vinnikov, Dmitri** Energies 2023 / art. 2977 <https://doi.org/10.3390/en16072977> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparative simulation study of pump system efficiency driven by induction and synchronous reluctance motors

Gevorkov, Levon; Dominguez-Garcia, Jose Luis; **Rassõlkin, Anton**; **Vaimann, Toomas** Energies 2022 / art. 4068 <https://doi.org/10.3390/en15114068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparing the leaching behavior of phosphorus, aluminum and iron from post-precipitated tertiary sludge and anaerobically digested sewage sludge aiming at phosphorus recovery

Monea, Marlina; Löhr, Dirk Karsten; Meyer, Carsten; **Ivanova Drenkova-Tuhtan, Asya** Journal of cleaner production 2020 / art. 119129, 8 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119129> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparison of district heating supply options for different CHP configurations

**Rušeljuk, Pavel**; **Dedov, Andrei**; **Hlebnikov, Aleksandr**; **Lepiksaar, Kertu**; **Volkova, Anna** Energies 2023 / art. 603, 14 p. : ill <https://doi.org/10.3390/en16020603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Comparison of suitable business models for the 5th generation district heating system implementation through game theory approach

Pakere, Ieva; Kacare, Marika; Murauskaite, Lina; **Huang, Pei**; **Volkova, Anna** Environmental and Climate Technologies 2023 / p. 1-15 <https://doi.org/10.2478/rtuect-2023-0001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## A comprehensive review of standards and best practices for utility grid integration with electric vehicle charging stations

Sachan, Sulabh; Deb, Sanchari; **Singh, Praveen Prakash**; Alam, Mohammad Saad; Shariff, Samir M. Wiley Interdisciplinary Reviews: Energy and Environment 2022 / Art. e424 <https://doi.org/10.1002/wene.424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Considerations on combining unfolding inverters with partial power regulators in battery–grid interface converters

Galkin, Ilya A.; Saltanovs, Rodions; Bubovich, Alexander; **Blinov, Andrei**; Peftitsis, Dimosthenis Energies 2024 / art. 893

**Construction process technical impact factors on degradation of the external thermal insulation composite system**  
**Sulakatko, Virgo;** Vogdt, Frank U. Sustainability 2018 / art. 3900, 26 p. : ill <https://doi.org/10.3390/su10113900> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Controlling stormwater runoff from impermeable areas by using smart inlets**  
**Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido; Kaur, Katrin** New trends in urban drainage modelling : UDM 2018 : Conference proceedings 2019 / p. 263-268 [https://doi.org/10.1007/978-3-319-99867-1\\_44](https://doi.org/10.1007/978-3-319-99867-1_44) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Converting Tallinn's historic centre's (Old Town) heating system to a district heating system**  
**Volkova, Anna; Krupenski, Igor; Kovtunova, Natalja; Hlebnikov, Aleksandr; Mašatin, Vladislav; Ledvanov, Aleksandr** Energy 2023 / art. 127429 <https://doi.org/10.1016/j.energy.2023.127429> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cooling thermal comfort and efficiency parameters of ceiling panels, underfloor cooling, fan-assisted radiators, and fan coil**  
**Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 4156 <https://doi.org/10.3390/en15114156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Coordinated optimization of parameters of PSS and UPFC-PODCs to improve small-signal stability of a power system with renewable energy generation**  
He, Ping; Shen, Runjie; **Wen, Fushuan;** Pan, Qi Journal of energy engineering 2021 / p. 04020089-1-04020089-11 : ill [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000737](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000737) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Co-pyrolysis and co-gasification of biomass and oil shale**  
**Järvik, Oliver; Sulg, Mari; Cascante Cirici, Pau;** Eldermann, Meelis; **Konist, Alar;** Gusca, Julija; Siirde, Andres Environmental and Climate Technologies 2020 / p. 624–637 : ill <https://doi.org/10.2478/rtuct-2020-0038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Co-pyrolysis of woody biomass and oil shale — a kinetics and modelling study**  
**Lyons Ceron, Alejandro; Ochieng, Richard; Sarker, Shiplu; Järvik, Oliver; Konist, Alar** Energies 2024 / art. 1055 <https://doi.org/10.3390/en17051055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO<sub>2</sub>, CO<sub>2</sub>-H<sub>2</sub>O, and Ar Atmospheres**  
**Lyons Ceron, Alejandro; Konist, Alar** Energies 2023 / art. 3145 <https://doi.org/10.3390/en16073145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Corporate social responsibility of SMEs : learning orientation and performance outcomes**  
Torkkeli, Lasse; **Durst, Susanne** Sustainability 2022 / art. 6387 <https://doi.org/10.3390/su14116387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction: Improving Pharmaceuticals Removal at Wastewater Treatment Plants Using Biochar: A Review (Waste and Biomass Valorization, (2023), 14, 8, (2433-2458), 10.1007/s12649-023-02070-2)**  
Akintola, Ayooluwa Tomiwa; **Ayankunle, Ayankoya Yemi** Waste and biomass valorization 2023 / p. 2459-2460 <https://doi.org/10.1007/s12649-023-02093-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Corrigendum to “Screening and optimization of processing temperature for Sb<sub>2</sub>Se<sub>3</sub> thin film growth protocol: Interrelation between grain structure, interface intermixing and solar cell performance” [Solar Energy Mater. Solar Cell. 225 (2021) 1–13 111045](S092702482100088X)(10.1016/j.solmat.2021.111045)**  
**Spalatu, Nicolae; Krautmann, Robert; Katerski, Atanas; Kärber, Erki; Josepson, Raavo; Hiie, Jaan; Oja Acik, Ilona; Krunks, Malle** Solar Energy Materials and Solar Cells 2021 / Art. 111098 <https://doi.org/10.1016/j.solmat.2021.111098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cost and energy reduction of a New nZEB wooden building**  
**Arumägi, Endrik; Kalamees, Targo** Energies 2020 / art. 3570, 16 p. : ill <https://doi.org/10.3390/en13143570> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cost optimal energy performance**  
**Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 47-56 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_4](https://doi.org/10.1007/978-1-4471-5610-9_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Cost/comfort-oriented clustering-based extended time of use pricing**  
**Azizi, Elnaz; Shotorbani, R.; Ahmadiyahangar, Roya;** Mohammadi-Ivatloo, B.; **Rosin, Argo;** Sadiq, R. Sustainable cities and

society 2021 / art. 102673, 10 p. : ill <https://doi.org/10.1016/j.scs.2020.102673> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cost-benefit analysis of nZEB energy efficiency strategies with on-site photovoltaic generation**

**Pikas, Ergo; Kurnitski, Jarek; Thalfeldt, Martin;** Koskela, Lauri Energy 2017 / p. 291-301 : ill

<https://doi.org/10.1016/j.energy.2017.03.158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The cost-competitiveness of concentrated solar power with thermal energy storage in power systems with high solar penetration levels**

Miron, Dror; Navon, Aviad; Levron, Yoash; **Belikov, Juri;** Rotschild, Carmel Journal of Energy Storage 2023 / art. 108464

<https://doi.org/10.1016/j.est.2023.108464> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Coupling of the electricity and district heat generation sectors with building stock energy retrofits as a measure to reduce carbon emissions**

Jokinen, Ilkka; Lund, Andreas; Hirvonen, Janne; **Jokisalo, Juha; Kosonen, Risto;** Lehtonen, Matti Energy conversion and management 2022 / art. 115961, 17 p. : ill <https://doi.org/10.1016/j.enconman.2022.115961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.1016/j.enconman.2022.115961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Covid-19 pandemic: early implications for North European manufacturing and logistics**

**Hilmola, Olli-Pekka Kristian;** Lähdeaho, Oskari; Henttu, Ville; Hilletoft, Per Sustainability 2020 / art. 8315, 13 p

<https://doi.org/10.3390/su12208315> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Creativity as a key constituent for smart specialization strategies (S3), what is in it for peripheral regions? Co-creating sustainable and resilient tourism with cultural and creative industries**

**Meyer, Christopher;** Gerlitz, Laima; Klein, Monika Sustainability 2022 / art. 3469 <https://doi.org/10.3390/su14063469> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.3390/su14063469> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cross-border cooperation concept in multifunctional agriculture under RIS3**

**Meyer, Christopher;** Howe, Tim Oliver; Stollberg, Christian; Gerlitz, Laima Environmental and Climate Technologies 2021 / p.

537–550 : ill <https://doi.org/10.2478/rtuct-2021-0039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells for flexible photovoltaic applications**

**Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Muska, Katri; Danilson, Mati; Krustok, Jüri; Josepson, Raavo; Mikli,**

**Valdek; Grossberg-Kuusk, Maarja** Journal of materials chemistry A 2023 / p. 23640-23652 <https://doi.org/10.1039/D3TA04541B>

<https://doi.org/10.1039/D3TA04541B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> films from binary precursors**

**Volobujeva, Olga; Mellikov, Enn; Timmo, Kristi; Danilson, Mati; Bereznev, Sergei** Journal of Renewable and Sustainable

Energy 2013 / art. 031618 <https://doi.org/10.1063/1.4811242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu(In,Ga)Se<sub>2</sub> monograin powders with different Ga content for solar cells**

**Timmo, Kristi; Kauk-Kuusik, Marit; Pilvet, Maris; Altosaar, Mare; Grossberg, Maarja; Danilson, Mati; Kaupmees, Reelika;**

**Mikli, Valdek; Raudoja, Jaan; Varema, Tiit** Solar energy 2018 / p. 648–655 : ill <https://doi.org/10.1016/j.solener.2018.10.078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.1016/j.solener.2018.10.078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cultural and creative industries as innovation and sustainable transition brokers in the Baltic Sea Region : a strong tribute to sustainable macro-regional development**

Gerlitz, Laima; **Prause, Gunnar Klaus** Sustainability 2021 / art. 9742, 22 p <https://doi.org/10.3390/su13179742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.3390/su13179742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Current challenges in operation, performance, and maintenance of photovoltaic panels**

Orosz, Tamas; **Rassólkín, Anton;** Arsenio, Pedro; Poor, Peter; **Valme, Daniil;** Sleisz, Adam Energies 2024 / art. 1306

<https://doi.org/10.3390/en17061306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Current harmonic aggregation cases for contemporary loads**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman** Energies 2022 / art. 437

<https://doi.org/10.3390/en15020437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Damping characteristics of interconnected power systems with wind-photovoltaic-thermal-bundled power transmitted by AC/DC systems**

He, Ping; Li, Zhao; Zheng, Mingming; **Wen, Fushuan;** Ji, Yugi; Wu, Xinxin Journal of energy engineering 2021 / p. 04021029-1-

04021029-10 : ill [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000765](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000765) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Data-driven occupancy profile identification and application to the ventilation schedule in a school building**

Vassiljeva, Kristina; Matson, Margarita; Ferrantelli, Andrea; Petlenkov, Eduard; Thalfeldt, Martin; Belikov, Juri *Energies* 2024 / art. 3080 <https://doi.org/10.3390/en17133080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Day-ahead economical planning of multi-vector energy district considering demand response program**

Ghasemi-Marzbali, Ali; Shafiei, Mohammad; Ahmadihangar, Roya *Applied energy* 2023 / art. 120351 <https://doi.org/10.1016/j.apenergy.2022.120351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Day-ahead market modelling of large-scale highly-renewable multi-energy systems : analysis of the North Sea region towards 2050**

Gea-Bermudez, Juan; Das, Kaushik; Koduvere, Hardi; Koivisto, Matti J. *Energies* 2021 / art. 88, 17 p. : ill <https://doi.org/10.3390/en14010088> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Day-ahead scheduling of electric vehicles and electrical storage systems in smart homes using a novel decision vector and AHP method**

Alilou, Masoud; Gharehpetian, Gevork B.; Ahmadihangar, Roya; Rosin, Argo; Anvari-Moghaddam, Amjad *Sustainability* (Switzerland) 2022 / Art. 11773 <https://doi.org/10.3390/su141811773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decarbonization strategies of Helsinki metropolitan area district heat companies**

Su, Yijie; Hiltunen, Pauli; Syri, Sanna; Khatiwada, Dilip *Renewable and Sustainable Energy Reviews* 2022 / Art. 112274 <https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decarbonizing city water traffic : case of comparing electric and diesel-powered ferries**

Otsason, Riina; Tapaninen, Ulla Pirita *Sustainability* 2023 / art. 16170 <https://doi.org/10.3390/su152316170> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Degradation of organophosphate pesticides using pyridinium based functional surfactants**

Sharma, Rahul; Gupta, Bhanushree; Karpichev, Yevgen; Gathergood, Nicholas *ACS sustainable chemistry & engineering* 2016 / p. 6962-6973 : ill <https://doi.org/10.1021/acssuschemeng.6b01878> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Delightful daylighting : a framework for describing the experience of daylighting in Nordic homes and 'coupling it with quantitative assessments**

Viikberg, Hanna; Sepulveda Luque, Abel; De Luca, Francesco *Energies* 2022 / art. 1815 <https://doi.org/10.3390/en15051815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design and analysis of a DC solid-state circuit breaker for residential energy router application**

Rahimpour, Saeed; Husev, Oleksandr; Vinnikov, Dmitri *Energies* 2022 / art. 9434 <https://doi.org/10.3390/en15249434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design and experimental validation of a single-stage PV string inverter with optimal number of interleaved buck-boost cells**

Fesenko, Artem; Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard; Kołodziejek, Piotr *Energies* 2021 / art. 2448, p., 17 p. : ill <https://doi.org/10.3390/en14092448> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design and simulations of dual clutch transmission for hybrid electric vehicles**

Vu, Trieu Minh; Abouelkheir, Moustafa *International journal of electric and hybrid vehicles* 2017 / p. 302-321 : ill <https://doi.org/10.1504/IJEHV.2017.089873> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **A detailed testing procedure of numerical differential protection relay for EHV auto transformer**

Ehsan, Umer; Jawad, Muhammad; Javed, Umar; Zaidi, Khurram Shabih; Rehman, Ateeq Ur; Rassölkin, Anton; Althobaiti, Maha M.; Hamam, Habib; Shafiq, Muhammad *Energies* 2021 / art. 8447 <https://doi.org/10.3390/en14248447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determining the optimal directions of investment in regional renewable energy development**

Sotnyk, Iryna; Kurbatova, Tetiana; Romaniuk, Yaroslavna; Prokopenko, Olha; Gonchar, Viktoriya; Prause, Gunnar Klaus; Sapiński, Aleksander *Energies* 2022 / art. 3646 <https://doi.org/10.3390/en15103646> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development and performance assessment of prefabricated insulation elements for deep energy renovation of apartment buildings**

Pihelo, Peep; Kuusk, Kalle; Kalamees, Targo *Energies* 2020 / art. 1709, 20 p. : ill <https://doi.org/10.3390/en13071709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### Development of a reduced order model of solar heat gains prediction

**Tamm, Meril**; Cid, Jordi Macia; Paramio, Roser Capdevila; Baulenas, Joan Farnos; **Thalfeldt, Martin**; **Kurnitski, Jarek** Energies 2020 / art. 6316, 17 p. : ill <https://doi.org/10.3390/en13236316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Development of a user-friendly mobile app for the national level promotion of the 4th generation district heating

**Volkova, Anna**; **Latõšov, Eduard**; Mašatin, Vladislav; **Siirde, Andres** International journal of sustainable energy planning and management 2019 / p. 21–36 : ill <https://doi.org/10.5278/ijsepm.2019.20.3> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Development of autonomous food dehydration system based on building integrated photovoltaic thermal technology

**Yakobiuk, Dmytro**; **Jagomägi, Andri**; **Yakobiuk, Iryna** Journal of Renewable and Sustainable Energy 2018 / art. 021002 <https://doi.org/10.1063/1.5000230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Development of Bi2S3 thin film solar cells by close-spaced sublimation and analysis of absorber bulk defects via in-depth photoluminescence analysis

**Koltsov, Mykhailo**; **Gopi, Sajeesh Vadakkedath**; **Raadik, Taavi**; **Krustok, Jüri**; **Josepson, Raavo**; Gržibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Solar energy materials and solar cells 2023 / art. 112292 <https://doi.org/10.1016/j.solmat.2023.112292> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Digital last planner system whiteboard for enabling remote collaborative design process planning and control

**Pikas, Ergo**; Pedro, Barbara; Tezel, Algan; Koskela, Lauri; **Veersoo, Markus** Sustainability 2022 / art. 12030 <https://doi.org/10.3390/su141912030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Digital Twin as a virtual sensor for wind turbine applications

**Mohamed, Mahmoud Ibrahim Hassanin**; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants**; Zakis, Janis; Hyunh, Van Khang; Pomarnacki, Raimondas Energies 2023 / art. 6246 <https://doi.org/10.3390/en16176246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Digital twin for FANUC robots: Industrial robot programming and simulation using virtual reality

Garg, Gaurav; **Kuts, Vladimir**; Anbarjafari, Gholamreza Sustainability (Switzerland) 2021 / Art. 10336 <https://doi.org/10.3390/su131810336> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Direct aqueous carbonation on olivine at a CO2 partial pressure of 6.5 MPa

Li, Jiajie; Jacobs, Anthony D.; **Hitch, Michael William** Energy 2019 / p. 902–910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Disordered lithium-rich oxyfluoride as a stable host for enhanced Li+ intercalation storage

Chen, Ruiyong; Ren, Shuhua; Knapp, Michael; Wang, Di; **Witter, Raiker**; Fichtner, Maximilian; Hahn, Horst Advanced energy materials 2015 / p. 1–7 : ill <https://doi.org/10.1002/aenm.201401814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dispersive effects during long wave run-up on a plane beach

**Abdalazeez, Ahmed**; **Didenkulova, Irina**; Dutykh, Denys Advances in Natural Hazards and Hydrological Risks : Meeting the Challenge : proceedings of the 2nd International Workshop on Natural Hazards (NATHAZ'19), Pico Island—Azores 2019 / p. 143–146 [https://doi.org/10.1007/978-3-030-34397-2\\_28](https://doi.org/10.1007/978-3-030-34397-2_28) [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### District cooling network planning. A case study of Tallinn

**Volkova, Anna**; Hlebnikov, Aleksandr; Ledvanov, Aleksandr; Kirs, Tanel; **Raudsepp, Urmas**; **Krupenski, Igor**; **Latõšov, Eduard** International Journal of Sustainable Energy Planning and Management 2022 / p. 63–78 : ill <https://doi.org/10.54337/ijsepm.7011> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Dopant-free fluorene based dimers linked with thiophene units as prospective hole transport materials for Sb2S3 solar cells

**Juneja, Nimish**; Jegorove, Aiste; Grzibovskis, Raitis; **Katerski, Atanas**; Malinauskas, Tadas; Vembris, Aivars; Karazhanov, Smagul; **Spalatu, Nicolae**; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Sustainable Energy & Fuels 2024 / p. 4324–4334 <https://doi.org/10.1039/D4SE00472H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dual-Mode magnetically integrated photovoltaic microconverter with adaptive mode change and global maximum power point tracking

**Mashinchi Maheri, Hamed**; **Vinnikov, Dmitri**; **Chub, Andrii**; **Korkh, Oleksandr**; **Rosin, Argo**; Babaei, Ebrahim IET renewable power generation 2021 / p. 86–98 <https://doi.org/10.1049/rpg2.12007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Economic analysis and impact on national grid by domestic photovoltaic system installations in Pakistan

**Shabbir, Noman**; Usman, Muhammad; Jawad, Muhammad; Zafar, Muhammad H.; **Iqbal, Muhammad Naveed**; **Kütt, Lauri**

Renewable energy 2020 / p. 509-521 : ill <https://doi.org/10.1016/j.renene.2020.01.114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Economic dispatch of CHP units through District Heating Network's demand-side management**

**Rušeljuk, Pavel; Lepiksaar, Kertu; Siirde, Andres; Volkova, Anna** Energies 2021 / art. 4553, 20 p. : ill

<https://doi.org/10.3390/en14154553> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of leaching pretreatment on the gasification of wine and vine (residue) biomass**

**Link, Siim; Arvelakis, Stelios; Paist, Aadu; Lilledahl, Truls; Rosen, Christer** Renewable energy 2018 / p. 1-5 : tab

<https://doi.org/10.1016/j.renene.2017.08.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The effect of the district heating return temperature reduction on flue gas condenser efficiency**

**Lepiksaar, Kertu; Volkova, Anna; Rušeljuk, Pavel; Siirde, Andres** Environmental and Climate Technologies 2020 / p. 23-38

<https://doi.org/10.2478/rtuct-2020-0083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of woody biomass gasification process conditions on the composition of the producer gas**

**Lyons Cerón, Alejandro; Konist, Alar; Lees, Heidi; Järvik, Oliver** Sustainability 2021 / art. 11763, 17 p. : ill

<https://doi.org/10.3390/su132111763> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of coupling combined heat and power production with district cooling**

**Lepiksaar, Kertu; Mašatin, Vladislav; Krupenski, Igor; Volkova, Anna** Energies 2023 / art. 4552

<https://doi.org/10.3390/en16124552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of the COVID-19 pandemic on energy systems and electric power grids — a review of the challenges ahead**

**Navon, Aviad; Machlev, Ram; Carmon, David; Onile, Abiodun Emmanuel; Belikov, Juri; Levron, Yoash** Energies 2021 / art. 1056,

14 p. : ill <https://doi.org/10.3390/en14041056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficiency enhancement of Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells via absorber post-growth treatments**

**Timmo, Kristi; Dolcet Sadurni, Marc; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek; Atlan, Fabien; Guc, Maxim; Izquierdo-Roca, Victor; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112090

<https://doi.org/10.1016/j.solmat.2022.112090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficient dark fermentative hydrogen production from enzyme hydrolyzed rice straw by Clostridium pasteurianum (MTCC116)**

**Srivastava, Neha; Srivastava, Manish; Kushwaha, Deepika; Gupta, Vijai Kumar; Manikanta, Ambepu; Ramteke, Pramod**

**Wasudeo; Mishra, Pradeep Kumar** Bioresource technology 2017 / p. 552-558 : ill <https://doi.org/10.1016/j.biortech.2017.04.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An efficient non-inverting buck-boost converter with improved step up/down ability**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri; Pefitsis, Dimosthenis** Energies

2022 / art. 4550 <https://doi.org/10.3390/en15134550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electric vehicles charging infrastructure demand and deployment : challenges and solutions**

**Singh, Praveen Prakash; Wen, Fushuan; Palu, Ivo; Sachan, Sulabh; Deb, Sanchari** Energies 2023 / art. 7

<https://doi.org/10.3390/en16010007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrical characterization of all-layers-sprayed solar cell based on ZnO nanorods and extremely thin CIS absorber**

**Kärber, Erki; Katerski, Atanas; Krunks, Malle** Solar energy 2013 / p. 48-58 : ill <https://doi.org/10.1016/j.solener.2013.01.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electricity market impacts of low-carbon energy transition in the Nordic-Baltic region**

**Farsaei, Anahita; Olkkonen, Ville; Kan, Xiaoming; Syri, Sanna** Journal of Sustainable Development of Energy, Water and

Environment Systems 2022 / art. 1090407 <https://doi.org/10.13044/j.sdewes.d9.0407> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An embedded half-bridge  $\Gamma$ -Z-source inverter with reduced voltage stress on capacitors**

**Mashinch Maheri, Hamed; Vinnikov, Dmitri; Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; Chub,**

**Andrii** Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050**

**Hirvonen, Janne; Heljo, Juhani; Jokisalo, Juha; Kurvinen, Antti; Saari, Arto; Niemelä, Tuomo; Sankelo, Paula; Kosonen, Risto**

Sustainable cities and society 2021 / art. 102896, 22 p. : ill <https://doi.org/10.1016/j.scs.2021.102896> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network**

**Volkova, Anna; Krupenski, Igor;** Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy efficiency evaluation of linear transmitters for 5G NR wireless waveforms**

**Biyabani, Sara R.; Khan, Rida; Alam, Muhammad Mahtab;** Biyabani, A. Ahmed; McCune, Earl IEEE transactions on green communications and networking 2019 / p. 446 - 454 : ill <https://doi.org/10.1109/TGCN.2019.2902179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy efficient behavior modeling for demand side recommender system in solar microgrid applications using multi-agent reinforcement learning model**

**Onile, Abiodun Emmanuel; Belikov, Juri;** Levron, Yoash; **Petlenkov, Eduard** Sustainable cities and society 2023 / art. 104392, 20 p. : ill <https://doi.org/10.1016/j.scs.2023.104392> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy governance as a commons : engineering alternative socio-technical configurations**

**Giotitsas, Christos;** Nardelli, Pedro H.J.; Williamson, Sam; Roos, Andreas; Pournaras, Evangelos; **Kostakis, Vasileios** Energy research & social science 2022 / art. 102354, 6 p. : ill <https://doi.org/10.1016/j.erss.2021.102354> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy performance certificate classes rating methods tested with data : how does the application of minimum energy performance standards to worst-performing buildings affect renovation rates, costs, emissions, energy consumption?**

**Ferrantelli, Andrea;** Kurnitski, Jarek Energies 2022 / art. 7552 <https://doi.org/10.3390/en15207552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy pile field simulation in large buildings: validation of surface boundary assumptions**

**Ferrantelli, Andrea;** Fadejev, Jevgeni; Kurnitski, Jarek Energies 2019 / art. 770, 20 p. : ill <https://doi.org/10.3390/en12050770> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – a review**

**Singh Siwal, Samarjeet;** Zhang, Qibo; Sun, Changbin; Thakur, Sourbh; **Gupta, Vijai Kumar;** Kumar Thakur, Vijay Bioresource Technology 2020 / Art. nr. 122481 <https://doi.org/10.1016/j.biortech.2019.122481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy storage for 1500 V photovoltaic systems : A comparative reliability analysis of DC-and AC-Coupling**

**He, Jinkui;** Yang, Yongheng; **Vinnikov, Dmitri** Energies 2020 / art. 3355, 16 p. : ill <https://doi.org/10.3390/en13133355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy storage for mitigating grid congestion caused by electric vehicles : a techno-economic analysis using a computationally efficient graph-based methodology**

**Navon, Aviad;** Nitskansky, Ran; Lipman, Eshel; **Belikov, Juri;** Gal, Nurit; Orda, Ariel; Levron, Yoash Journal of energy storage 2023 / art. 106324 <https://doi.org/10.1016/j.est.2022.106324> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy trading and management strategies in a regional integrated energy system with multiple energy carriers and renewable-energy generation**

**Wang, Yizheng;** Jiang, Chenwei; **Wen, Fushuan;** Xue, Yusheng; Chen, Fei; Zhang, Lijun; Yuan, Xiang Journal of energy engineering 2021 / p. 04020076-1-04020076-12 : ill [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000726](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000726) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy, cost and emission saving potential of demand response and peak power limiting in the German district heating system**

**Suhonen, Janne;** Lindholm, Joakim; Verbeck, Moritz; **Ju, Yuchen;** Jokisalo, Juha; **Kosonen, Risto;** Janßen, Philipp; Schäfers, Hans International journal of sustainable energy 2023 / p. 1092-1127 : ill <https://doi.org/10.1080/14786451.2023.2251601> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enhanced bioremediation of pulp effluents through improved enzymatic treatment strategies : a greener approach**

**Dixit, Mandeep;** Gupta, Guddu Kumar; **Usmani, Zeba;** Sharma, Minaxi; Shukla, Pratyosh Renewable and Sustainable Energy Reviews 2021 / Art. 111664 <https://doi.org/10.1016/j.rser.2021.111664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enhancing innovation activities in the transition process towards renewable energy municipalities**

**Gerstlberger, Wolfgang Dieter;** Da Mota Pedrosa, Alex; Cantner, Uwe; Kesting, Tobias International journal of innovation and sustainable development 2022 / p. 224-243 <https://doi.org/10.1504/IJSD.2022.121813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enzymatic conversion of hydrolysis lignin - a potential biorefinery approach**

Khan, Sharib; Puss, Kait Kaarel; **Lukk, Tiit**; Loog, Mart; Kikas, Timo; Salmar, Siim *Energies* 2023 / art. 370, 13 p. : ill  
<https://doi.org/10.3390/en16010370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enzymatic synthesis and polymerization of isosorbide-based monomethacrylates for high-Tg plastics**

Matt, Livia; **Parve, Jaan**; **Parve, Omar**; Pehk, Tõnis; Liblikas, Ilme; Vares, Lauri; Jannasch, Patric *ACS sustainable chemistry & engineering* 2018 / p. 17382-17390 <https://doi.org/10.1021/acssuschemeng.8b05074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Environmental performance of alternative hospital waste management strategies using life cycle assessment (LCA) approach**

Mushtaq, Muhammad Hammad; Noor, Fahad; Mujtaba, M. A.; Asghar, Salman; Yusuf, Abdulfatah Abdu; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Badran, Mohamed Fathy; Shahapurkar, Kiran *Sustainability* 2022 / art. 14942 <https://doi.org/10.3390/su142214942> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of harmonic emission of electric vehicles and their impact on low voltage residential network**

**Iqbal, Muhammad Naveed**; Kütt, Lauri; Daniel, Kamran; **Asad, Bilal**; Ghahfarokhi, Payam Shams *Sustainability* 2021 / art. 8551 <https://doi.org/10.3390/su13158551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of hybrid energy generation of solar-wind tower for electric vehicle charging : a case study of Indian highway**

Singh, Samarendra Pratap; Tiwari, Prabhakar; **Singh, Praveen Prakash**; Singh, Sri Niwas *Energy Storage* 2024 / art. e70004  
<https://doi.org/10.1002/est2.70004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating outdoor thermal comfort using a mixed-method to improve the environmental quality of a university campus**

**Eslamirad, Nasim**; Sepulveda Luque, Abel; De Luca, Francesco; Lylykangas, Kimmo Sakari *Energies* 2022 / art. 1577, 26 p. : ill <https://doi.org/10.3390/en15041577> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluation of alternative fuels for coastal ferries**

**Laasma, Andres**; Otsason, Riina; Tapaninen, Ulla Piritä; Hilmola, Olli-Pekka Kristian *Sustainability* 2022 / art. 16841  
<https://doi.org/10.3390/su142416841> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An evaluation of critical capabilities and improvement areas for competitive manufacturing in a developed-country environment**

Asic, Ivana; Asic, Josip; Hilletoft, Per; Pimenta, Marcio Lopes; **Hilmola, Olli-Pekka Kristian** *Sustainability* 2022 / art. 6678  
<https://doi.org/10.3390/su14116678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluation of freshwater using chromatographic analyses of dissolved organic matter data from the hypertrophic river Vääna, Estonia**

**Lepane, Viia** *Sustainability* 2023 / art. 16819 <https://doi.org/10.3390/su152416819> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor**

Ochieng, Richard; **Ceron, Alejandro Lyons**; Konist, Alar; Sarker, Shilpu *Bioresource technology reports* 2023 / art. 101650  
<https://doi.org/10.1016/j.biteb.2023.101650> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Experimental comparison of two-level full-SiC and three-level Si-SiC quasi-Z-source inverters for PV applications**

**Stepenko, Serhii**; Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; **Pires Pimentel, Sergio**; **Santasheva, Elena** *Energies* 2019 / 2509 ; 17 p. : ill <https://doi.org/10.3390/en12132509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploratory data analysis based short-term electrical load forecasting : a comprehensive analysis**

Javed, Umar; Ijaz, Khalid; **Shabbir, Noman**; Kütt, Lauri; Husev, Oleksandr *Energies* 2021 / art. 5510  
<https://doi.org/10.3390/en14175510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts**

Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärm; Kochovski, Zdravko; Tallo, Indre; Lust, Enn *Journal of the Electrochemical Society* 2020 / art. 054513 <https://doi.org/10.1149/1945-7111/ab7093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extra cost analyses of two apartment buildings for achieving nearly zero and low energy buildings**

**Pikas, Ergo**; Thalfeldt, Martin; Kurnitski, Jarek; Liias, Roode *Energy* 2015 / p. 623-633 : ill  
<https://doi.org/10.1016/j.energy.2015.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Factors affecting the improvement of district heating. Case studies of Estonia and Serbia**

**Rušeljuk, Pavel**; Volkova, Anna; Lukic, Nebojša; **Lepiksaar, Kertu**; Nikolic, Novak; Nešovic, Aleksandar; **Siirde, Andres**



Environmental and Climate Technologies 2021 / p. 521–533 <https://doi.org/10.2478/rtuct-2020-0121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Failure consequence evaluation of uncontrollable district heating network**

Mao, Ding; Wang, Peng; **Ju, Yuchen**; Ni, Long Sustainable cities and society 2022 / art. 103593, 16 p. : ill <https://doi.org/10.1016/j.scs.2021.103593> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Feasibility investigation for residential battery sizing considering EV charging demand**

**Shabbir, Noman**; **Kütt, Lauri**; **Daniel, Kamran**; **Astapov, Victor**; **Raja, Hadi Ashraf**; **Iqbal, Muhammad Naveed**; **Husev, Oleksandr** Sustainability 2022 / art. 1079 <https://doi.org/10.3390/su14031079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-Type inverter**

Shevchenko, Viktor; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Stepins, Deniss; Strzelecki, Ryszard Energies 2020 / art. 4535, 16 p. : ill <https://doi.org/10.3390/en13174535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **5G as an enabler of connected-and-automated mobility in European cross-border corridors — a market assessment**

Rizopoulos, Dimitrios; Laskari, Marina; Kouloumbis, Gerasimos; Fergadiotou, Ioanna; Durkin, Patrick; **Körbe Kaare, Kati**; **Alam, Muhammad Mahtab** Sustainability 2022 / art. 14411 <https://doi.org/10.3390/su142114411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Food waste : challenges and opportunities for enhancing the emerging bio-economy**

Morone, Piergiuseppe; Koutinas, Apostolis; **Gathergood, Nicholas**; Arshadi, Mehrdad; Matharu, Avtar Journal of cleaner production 2019 / p. 10-16 <https://doi.org/10.1016/j.jclepro.2019.02.258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **From private to public governance : The case for reconfiguring energy systems as a commons**

**Giotitsas, Christos**; Nardelli, Pedro H.J.; **Kostakis, Vasileios**; Narayanan, Arun Energy research & social science 2020 / art. 101737 ; 7 p <https://doi.org/10.1016/j.erss.2020.101737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **GIS-based approach to identifying potential heat sources for heat pumps and chillers providing district heating and cooling**

Pieper, Henrik; **Lepiksaar, Kertu**; **Volkova, Anna** International Journal of Sustainable Energy Planning and Management 2022 / p. 29-44 <https://doi.org/10.54337/ijsepm.7021> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Grid-forming operation of energy-router based on model predictive control with improved dynamic performance**

**Najafzadeh, Mahdiyyeh**; Strzelecka, Natalia; **Husev, Oleksandr**; **Roasto, Indrek**; Nassereddine, Kawsar; **Vinnikov, Dmitri**; Strzelecki, Ryszard Energies 2022 / 14 p. : ill <https://doi.org/10.3390/en15114010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Grounding and isolation requirements in DC microgrids: overview and critical analysis**

Azizi, Mohammadreza; **Husev, Oleksandr**; Veligorskyi, Oleksandr; **Rahimpour, Saeed**; **Roncero-Clemente, Carlos** Energies 2023 / art. 7747, 23 p. : ill <https://doi.org/10.3390/en16237747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Heat loss due to domestic hot water pipes**

**Hamburg, Anti**; **Mikola, Alo**; **Parts, Tuule Mall**; **Kalamees, Targo** Energies 2021 / art. 6446 <https://doi.org/10.3390/en14206446> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Heat pump use in rural district heating networks in Estonia**

**Lepiksaar, Kertu**; Kalme, Kiur; **Siirde, Andres**; **Volkova, Anna** Environmental and climate technologies 2021 / p. 786–802 <https://doi.org/10.2478/rtuct-2021-0059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Heat storage combined with biomass CHP under the national support policy. A case study of Estonia**

**Volkova, Anna**; **Latõšov, Eduard**; **Siirde, Andres** Environmental and Climate Technologies 2020 / p. 171–184 <https://doi.org/10.2478/rtuct-2020-0011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Heating sizing power reduction in buildings connected to district heating with dynamically controlled DHW setback and flow limiters**

Hajian, Hatem; **Simson, Raimo**; **Kurnitski, Jarek** Energies 2022 / art. 5278 <https://doi.org/10.3390/en15145278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Herbage production and chemical characteristics for bioenergy production by plant functional groups from semi-natural grasslands**

Melts, Indrek; Heinsoo, Katrin; **Ivask, Mari** Biomass and bioenergy 2014 / p. 160-166 : ill <https://doi.org/10.1016/j.biombioe.2014.04.037>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **High-strength fuel pellets made of flour milling and coal slack wastes**

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hot-spots of large wave energy resources in relatively sheltered sections of the Baltic Sea coast**

**Kovaleva, Olga; Eelsalu, Maris; Soomere, Tarmo** Renewable and sustainable energy reviews 2017 / p. 424-437 : ill  
<https://doi.org/10.1016/j.rser.2017.02.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hourly consumption profiles of domestic hot water for different occupant groups in dwellings**

Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** Solar energy 2016 / p. 516-530 : ill <https://doi.org/10.1016/j.solener.2016.08.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **How governments, universities, and companies contribute to renewable energy development? A municipal innovation policy perspective of the triple helix**

Visintainer Lerman, Laura; **Gerstlberger, Wolfgang Dieter**; Ferreira Lima, Mateus; Frank, Alejandro G. Energy research & social science 2020 / art. 101854, 11 p. : ill <https://doi.org/10.1016/j.erss.2020.101854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Human resource management in crisis situations : a systematic literature review**

Edvardsson, Ingi Runar; **Durst, Susanne** Sustainability 2021 / art. 12406, 17 p <https://doi.org/10.3390/su132212406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings**

Garshasbi, Samira; **Kurnitski, Jarek**; Mohammadi, Yousef Applied energy 2016 / p. 626-637 : ill  
<https://doi.org/10.1016/j.apenergy.2016.07.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hybrid heat pump performance evaluation in different operation modes for single-family house**

Tihana, Jelena; **Ali, Hesham**; Apse, Jekaterina; Jekabsons, Janis; Ivancovs, Dmitrijs; Gaujena, Baiba; **Dedov, Andrei** Energies 2023 / art. 7018 <https://doi.org/10.3390/en16207018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hybrid inverter and control strategy for enabling the PV generation dispatch using extra-low-voltage batteries**

Meneghetti, Luiz Henrique; **Carvalho da Silva, Edivan Laercio**; Carati, Emerson Giovani; Denardin, Gustavo Weber; da Costa, Jean Patric; de Oliveira Stein, Carlos Marcelo; Cardoso, Rafael Energies 2022 / art. 7539 <https://doi.org/10.3390/en15207539> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hygrothermal analysis of masonry wall with reed boards as interior insulation system**

Keskküla, Kadri; Aru, Tambet; **Kiviste, Mihkel**; Miljan, Martti-Jaan Energies 2020 / art. 5252, 10 p. : ill  
<https://doi.org/10.3390/en13205252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Identification of mechanisms behind converter-related issues in power systems based on an overview of real-life events**

De Rua, Philippe; Roose, Thomas; Sakinci, Özgür Can; **de Moraes Dias Campos, Nathalia**; Beerten, Jef Renewable and sustainable energy reviews 2023 / art. 113431 <https://doi.org/10.1016/j.rser.2023.113431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The impact of air pressure conditions on the performance of single room ventilation units in multi-story buildings**

**Mikola, Alo; Simson, Raimo; Kurnitski, Jarek** Energies 2019 / art. 2633, 18 p. : ill <https://doi.org/10.3390/en12132633> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Impact of grid gas requirements on hydrogen blending levels**

**Latšov, Eduard**; Pakere, Ieva; Murauskaite, Lina; **Volkova, Anna** Environmental and Climate Technologies 2021 / P. 688-699  
<https://doi.org/10.2478/rtuect-2021-0052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Impact of investments and R&D costs in renewable energy technologies on companies' profitability indicators: assessment and forecast**

Prokopenko, Olha; Kurbatova, Tetiana; Khalilova, Marina; Zerkal, Anastasiia; **Prause, Gunnar Klaus**; Binda, Jacek; Berdiyrov, Temur; Klapkiv, Yuriy; Sanetra-Pólgrabi, Sabina; Komarnitskyi, Igor Energies 2023 / art. 1021, 17 p. : ill  
<https://doi.org/10.3390/en16031021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Impact of Li and K co-doping on the optoelectronic properties of CZTS monograin powder**

**Muska, Katri; Timmo, Kristi; Pilvet, Maris; Kaupmees, Reelika; Raadik, Taavi; Mikli, Valdek; Grossberg-Kuusk, Maarja; Krustok, Jüri; Josepson, Raavo**; Lange, Sven; **Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112182 : ill

### **The impact of parallel energy consumption on the district heating networks**

**Latõšov, Eduard; Siirde, Andres; Volkova, Anna; Thalfeldt, Martin; Kurnitski, Jarek** Environmental and Climate Technologies 2019 / 13 p. : ill <https://doi.org/10.2478/rtuect-2019-0001> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **The impact of profile genesis and land use of histosol on its organic substance stability and humic acid quality at the molecular leve**

Amaleviciute-Volunge, Kristina; Volungevicius, Jonas; Ceponkus, Justinas; Platakyte, Rasa; Mockeviciene, Ieva; Slepeliene, Alvyra; **Lepane, Viia** Sustainability 2023 / art. 5921, 22 p <https://doi.org/10.3390/su15075921> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Impact of the blending method on the melting characteristics of ashes of biomass blends**

**Link, Siim;** Yrjas, Patrik; Hupa, L. 25th European Biomass Conference and Exhibition : 12-15 June 2017, Stockholm, Sweden : proceedings 2017 / p. 547-551 <https://doi.org/10.5071/25thEUBCE2017-2BV.1.13> Conference proceedings at Scopus Article at Scopus Article at WOS

### **Impact of the selenisation temperature on the structural and optical properties of CZTSe absorbers**

Marquez-Prieto, J.; Yakushev, M.V.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2016 / p. 42-50 : ill <https://doi.org/10.1016/j.solmat.2016.03.018> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Impact of transformer turns ratio on the power losses and efficiency of the wide range isolated buck–boost converter for photovoltaic applications**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Chub, Andrii; Sidorov, Vadim; Liivik, Elizaveta** Energies 2020 / art. 5645, 21 p <https://doi.org/10.3390/en13215645> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Impacts of groundwater flow on borehole heat exchangers: lessons learned from Estonia**

Piipponen, Kaiu; **Soesoo, Alvar;** Arola, Teppo; Bauert, Heikki; Tarros, Siim Renewable Energy 2024 / art. 121448 <https://doi.org/10.1016/j.renene.2024.121448> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Implications of digitalization in facilitating socio-technical energy transitions in Europe**

**Veskioja, Kaija; Soe, Ralf-Martin** Energy research & social science 2022 / art. 102720 <https://doi.org/10.1016/j.erss.2022.102720> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Improved amorphous silicon passivation layer for heterojunction solar cells with post-deposition plasma treatment**

Neumüller, Alex; Sergeev, Oleg; Heise, Stephan J.; **Bereznev, Sergei; Volobujeva, Olga** Nano energy 2018 / p. 228-235 : ill <https://doi.org/10.1016/j.nanoen.2017.11.053> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **An improved nine-level switched capacitor-based inverter with voltage boosting capability and limitation of capacitor current spikes for PV applications**

**Vosoughi Kurdkandi, Naser;** Marangalu, Milad Ghavipanjeh; Naderi, Yahya; **Husev, Oleksandr;** Hosseini, Seyed Hossein; Siwakoti, Yam P.; Mehri-Sani, Ali IET renewable power generation 2023 / p. 725-749 <https://doi.org/10.1049/rpg2.12630> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Improving ADM1 model to simulate anaerobic digestion start-up with inhibition phase based on cattle slurry**

Normak, Argo; Suurpere, Jaak; Suitso, Indrek; Jõgi, Erkki; Kokin, Eugen; **Pitk, Peep** Biomass and Bioenergy 2015 / p. 260 - 266 <https://doi.org/10.1016/j.biombioe.2015.05.021> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Improving pharmaceuticals removal at wastewater treatment plants using biochar: a review**

Akintola, Ayooluwa Tomiwa; **Ayankunle, Ayankoya Yemi** Waste and biomass valorization 2023 / p. 2433-2458 <https://doi.org/10.1007/s12649-023-02070-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Inaccuracies and uncertainties for harmonic estimation in distribution networks**

Iqbal, Muhammad Naveed; **Kütt, Lauri; Daniel, Kamran; Shabbir, Noman;** Amjad, Anas; Awan, Abdul Waheed; Ali, Majid Sustainability 2024 / art. 6523 <https://doi.org/10.3390/su16156523> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

### **Incorporated maritime policy concept : adopting ESRS principles to support maritime sector's sustainable growth**

**Nõmmela, Kaidi; Körbe Kaare, Kati** Sustainability 2022 / art. 13593 : ill <https://doi.org/10.3390/su142013593> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Induction generator with direct control and a limited number of measurements on the side of the converter connected to the power grid**

Kasproicz, Andrzej Bogdan; **Husev, Oleksandr;** Strzelecki, Ryszard Energies 2023 / art. 63, 23 p. : ill <https://doi.org/10.3390/en16010063> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Influence of A-site modifications on the properties of La<sub>0.21</sub>Sr<sub>0.74</sub>-xCa<sub>x</sub>Ti<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3-δ</sub> based fuel electrode for solid oxide cell**

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar Journal of The Electrochemical Society 2023 / art. 054502, 10 p. : ill <https://doi.org/10.1149/1945-7111/acd084> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of electrolyte scaffold microstructure and loading of MIEC material on the electrochemical performance of RSOC fuel electrode**

Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; Möller, Priit; **Uibu, Mai**; Lust, Enn; Nurk, Gunnar Fuel Cells 2018 / p. 789-799 <https://doi.org/10.1002/fuce.201800087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of Ni concentration on electrochemical and crystallographic properties of La<sub>0.25</sub>Sr<sub>0.25</sub>Ca<sub>0.4</sub>Ti<sub>1-x</sub>Ni<sub>x</sub>O<sub>3-δ</sub> solid oxide fuel cell anode**

Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre, Tanel; **Volobujeva, Olga**; Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 <https://doi.org/10.1016/j.jpowsour.2021.229739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of the copper content on the optical properties of CZTSe thin films**

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2017 / p. 69-77 : ill <https://doi.org/10.1016/j.solmat.2017.04.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Innovative approaches towards sustainable river basin management in the Baltic Sea region : the Waterpraxis project**

**Klõga, Marija**; Filho, Walter Leal; Fischer, Natalie Sustainable water use and management : examples of new approaches and perspectives 2015 / p. 383-396 : ill [https://doi.org/10.1007/978-3-319-12394-3\\_20](https://doi.org/10.1007/978-3-319-12394-3_20) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Innovative tools for tourism and cultural tourism impact assessment**

**Kalvet, Tarmo**; Olesk, Maarja; **Tiits, Marek**; **Raun, Janika** Sustainability 2020 / art. 7470, 30 p <https://doi.org/10.3390/SU12187470> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An integrated approach to subtractive solar envelopes based on attribute information from point cloud data**

Alkadri, Miktha Farid; **De Luca, Francesco**; Turrin, Michel; Sariyildiz, Sevil Renewable and sustainable energy reviews 2020 / art. 109742, 19 p. : ill <https://doi.org/10.1016/j.rser.2020.109742> <http://resolver.tudelft.nl/uuid:be100809-acfd-4489-8e26-7a35731d514b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Integrating smart energy management system with internet of things and cloud computing for efficient demand side management in smart grids**

Saleem, M. Usman; Shakir, Mustafa; Usman, M. Rehan; Bajwa, M. Hamza Tahir; **Shabbir, Noman**; **Shams Ghahfarokhi, Payam**; **Daniel, Kamran** Energies 2023 / art. 4835 : ill <https://doi.org/10.3390/en16124835> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Intelligent control of robots with minimal power consumption in pick-and-place operations**

**Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2023 / art. 7418 <https://doi.org/10.3390/en16217418> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Interface converters for residential battery energy storage systems : practices, difficulties and prospects**

Galkin, Ilya; **Blinov, Andrei**; Vorobyov, Maxim; Bubovich, Alexander; Saltanovs, Rodions; Pefitsis, Dimosthenis Energies 2021 / art. 3365 <https://doi.org/10.3390/en14123365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Introduction**

**Kurnitski, Jarek** Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2015 / p. 1-5 [https://doi.org/10.1007/978-1-4471-5610-9\\_1](https://doi.org/10.1007/978-1-4471-5610-9_1) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Inventory routing for ammonia supply in German ports**

Prause, Felix; **Prause, Gunnar**; Philipp, Robert Energies 2022 / art. 6485, 22 p. : ill. <https://doi.org/10.3390/en15176485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Inverter-fed motor drive system : a systematic analysis of condition monitoring and practical diagnostic techniques**

Energies 2023 / art. 5628 <https://doi.org/10.3390/en16155628> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigation and field measurements for demand side management control technique of smart air conditioners located at residential, commercial, and industrial sites**

Masood, Bilal; Guobing, Song; Nebhen, Jamel; Rehman, Ateeq Ur; **Iqbal, Muhammad Naveed**; Rasheed, Iftikhar; Bajaj, Mohit; Shafiq, Muhammad; Hamam, Habib Energies 2022 / art. 2482, 23 p. : ill <https://doi.org/10.3390/en15072482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion**

**Usmani, Zeba**; Sharma, Minaxi; Gupta, Pratishtha; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Bhat, Rajeev; **Gupta, Vijai Kumar** Bioresource technology 2020 / art. 123003, 13 p <https://doi.org/10.1016/j.biortech.2020.123003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell**

Sokka, Andri; Mooste, Marek; Käär, Maie; **Gudkova, Viktoria**; Kozlova, Jekaterina; Kikas, Arvo; Kisand, Vambola; Treshchalov, Alexey; Tamm, Aile; Paiste, Päärn; Aruväli, Jaan; Leis, Jaan; **Krumme, Andres**; Holdcroft, Steven; Cavaliere, Sara; Jaouen, Frederic; Tammeveski, Kaido International Journal of Hydrogen Energy 2021 / p. 31275-31287 <https://doi.org/10.1016/j.ijhydene.2021.07.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Knowledge risks inherent in business sustainability**

**Durst, Susanne**; Zieba, Malgorzata Journal of cleaner production 2020 / art. 119670, 10 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119670> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Large-scale heat pumps for district heating systems in the Baltics : potential and impact**

**Volkova, Anna**; Koduvere, Hardi; Pieper, Henrik Renewable and sustainable energy reviews 2022 / art. 112749 <https://doi.org/10.1016/j.rser.2022.112749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser additively manufactured magnetic core design and process for electrical machine applications**

**Tiismus, Hans**; **Kallaste, Ants**; **Vaimann, Toomas**; **Lind, Liina**; Virro, Indrek; **Rassõlkin, Anton**; **Dedova, Tatjana** Energies 2022 / art. 3665 <https://doi.org/10.3390/en15103665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lead and nitrogen co-doped multi-walled carbon nanotube electrocatalyst for oxygen reduction reaction**

Zarmehri, Ehsan; Raudsepp, Ragle; Šmits, Krišjānis; Käämbre, Tanel; Šutka, Andris; **Yörük, Can Rüstü**; Zacs, Dzintars; Kruusenberg, Ivar Journal of The Electrochemical Society 2023 / art. 114505, 10 p. : ill <https://doi.org/10.1149/1945-7111/ad0072> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Leading proactivity in innovative startups : a moderated mediation model**

Martínez-Córcoles, Mario; **Zhu, Xi** Sustainability (Switzerland) 2020 / p. 1 - 17 <https://doi.org/10.3390/su12239878> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lignocellulosic biorefineries : the current state of challenges and strategies for efficient commercialization**

**Usmani, Zeba**; Sharma, Minaxi; Awasthi, Abhishek Kumar; **Lukk, Tiit**; Tuohy, Maria G.; Gong, Liang; Nguyen-Tri, Phuong; Goddard, Alan D.; Bill, Roslyn M.; Nayak, S. Chandra; Gupta, Vijai Kumar Renewable and sustainable energy reviews 2021 / art. 111258, 14 p. : ill <https://doi.org/10.1016/j.rser.2021.111258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Long-term policy recommendations for improving the efficiency of heating and cooling**

Laktuka, Krista; Pakere, Ieva; Lauka, Dace; Blumberga, Dagnija; **Volkova, Anna** Environmental and Climate Technologies 2021 / p. 392–404 : ill <https://doi.org/10.2478/rtuct-2021-0029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Low processing temperatures explored in Sb2S3 solar cells by close-spaced sublimation and analysis of bulk and interface related defects**

**Krautmann, Robert**; **Spalatu, Nicolae**; **Josepson, Raavo**; Nedzinskas, Ramunas; Kondrotas, Rokas; Gržibovskis, R.; Vembris, Aivars; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy materials and solar cells 2023 / art. 112139, 9 p. : ill <https://doi.org/10.1016/j.solmat.2022.112139> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Low-temperature waste heat enabling abandoning coal in Espoo district heating system**

**Hiltunen, Pauli**; **Syri, Sanna** Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Maintaining sustainable practices in SMEs : insights from Sweden**

Tsvetkova, Desislava; Bengtsson, Emma; **Durst, Susanne** Sustainability 2020 / art. 10242, 26 p <https://doi.org/10.3390/su122410242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Managing energy consumption of linear delta robots using neural network models**

**Vodovozov, Valery**; **Lehtla, Madis**; **Raud, Zoja**; **Semjonova, Natalia**; **Petlenkov, Eduard** Energies 2024 / art. 4081 <https://doi.org/10.3390/en17164081> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Manganese-substituted kesterite thin-films for earth-abundant photovoltaic applications**

Trifiletti, Vanira; Frioni, Luigi; Tseberlidis, Giorgio; Vitiello, Elisa; **Danilson, Mati**; **Grossberg, Maarja**; Acciarri, Maurizio; Binetti, Simona; Marchionna, Stefano Solar energy materials and solar cells 2023 / art. 112247, 13 p. : ill <https://doi.org/10.1016/j.solmat.2023.112247> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Maristem - stem cells of marine/aquatic invertebrates : from basic research to innovative applications**

Ballarin, Lorian; Rinkevich, Baruch; Bartscherer, Kestin; Bartscherer, Kestin; Cambier, Sebastien; Cammarata, Matteo; Domart-Coulon, Isabelle; Drobne, Damjana; Encinas, Juanma; Frank, Uri; Geneviere, Anne-Marie; Hobmayer, Bert; **Löhelaïd, Helike**; Lyons, Daniel; Martinez, Pedro; Oliveri, Paola; Peric, Lorena; Piraino, Stefano; Ramšak, Andreja; Rakers, Sebastian; Rentzsch, Fabian; Rosner, Amalia; Silva, Tiago Henriques da; Somorjai, Ildiko; Suleiman, Sherif; Coelho, Ana Varela Sustainability (Switzerland) 2018 / Art. 526 <https://doi.org/10.3390/su10020526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Market mechanisms and trading in microgrid local electricity markets : a comprehensive review**

**Zahraoui, Younes; Korōtko, Tarmo; Rosin, Argo; Agabus, Hannes** Energies 2023 / art. 2145, 52 p. : ill <https://doi.org/10.3390/en16052145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechanical properties of polymers recovered from multilayer food packaging by nitric acid**

Šleiniūtė, Agnė; Mumladze, Tamari; Denafas, Gintaras; Makarevičius, Vidas; Kriūkienė, Rita; **Antonov, Maksim**; Vasarevičius, Saulius Sustainability (Switzerland) 2024 / art. 2106 <https://doi.org/10.3390/su16052106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechanochemical synthesis of amides with uronium-based coupling reagents : a method for hexa-amidation of biotin[6]uril**

**Dalidovich, Tatsiana; Mishra, Kamini Atindrakumar; Shalima, Tatsiana; Kudrjašova, Marina; Kananovich, Dzmitry; Aav, Riina** ACS sustainable chemistry & engineering 2020 / p. 15703–15715 : ill <https://doi.org/10.1021/acssuschemeng.0c05558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechanosynthesis of a bifunctional FeNi-N-C oxygen electrocatalyst via facile mixed-phase templating and preheating-pyrolysis**

Kosimov, Akmal; Yusibova, Gulnara; Wojsiat, Ivan Tito; Aruväli, Jaan; Käär, Maïke; Leis, Jaan; Paaver, Peeter; Vlassov, Sergei; Kikas, Arvo; Kisand, Vambola; Piirsoo, Helle-Mai; Kukli, Kaupo; Heinmaa, Ivo; **Kaljuvee, Tiit**; Kongi, Nadezda Journal of Materials Chemistry A 2023 / p. 335 - 342 <https://doi.org/10.1039/d3ta04580c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechatronics technology and transportation sustainability : editorial**

**Rassõlkin, Anton**; Tammi, Kari; **Demidova, Galina**; Hosseinia, Hassan Sustainability 2022 / art. 1671 <https://doi.org/10.3390/su14031671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mesophilic co-digestion of dairy manure and lipid rich solid slaughterhouse wastes : process efficiency, limitations and floating granules formation**

**Pitk, Peep**; Palatsi, Jordi; Kaparaju, Prasad; Fernandez, Belen; **Vilu, Raivo** Bioresource technology 2014 / p. 168-177 : ill <https://doi.org/10.1016/j.biortech.2014.05.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metal mining's environmental pressures: a review and updated estimates on CO2 emissions, water use, and land requirements**

**Hitch, Michael William**; Tost, Michael; Bayer, Benjamin Sustainability 2018 / art. 2881 ; 14 p. : tab <https://doi.org/10.3390/su10082881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Method for assessing heat loss in a district heating network with a focus on the state of insulation and actual demand for useful energy**

Chicherin, Stanislav; Mašatin, Vladislav; **Siirde, Andres; Volkova, Anna** Energies 2020 / art. 4505, 15 p. : ill <https://doi.org/10.3390/en13174505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation**

**Pieper, Henrik; Krupenski, Igor**; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Methodological approach to determining the effect of parallel energy consumption on district heating system**

**Latšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin** Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/ruect-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Methodology for evaluating the transition process dynamics towards 4th generation district heating systems**

**Volkova, Anna; Mašatin, Vladislav; Siirde, Andres** Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Methods of condition monitoring and fault detection for electrical machines**

**Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants**; Khang, Huynh Van Energies 2021 / art. 7459, 20 p. : ill <https://doi.org/10.3390/en14227459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microbial saccharification of wheat bran for bioethanol fermentation**

Farkas, Csilla; Rezessy-Szabó, Judit M.; **Gupta, Vijai Kumar**; Truong, Duy H.; Friedrich, László; Felföldi, József; Nguyen, Quang D. Journal of Cleaner Production 2019 / Article nr. 118269 <https://doi.org/10.1016/j.jclepro.2019.118269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microwave pyrolysis of cattle manure : initiation mechanism and product characteristics**

Tabakaev, Roman; Kalinich, Ivan; Mostovshchikov, Andrei; Dimitryuk, Igor; Asilbekov, Askar; Ibraeva, Kanipa; Gaidabrus, Mariya; Shanenkov, Ivan; Rudmin, Maxim; Yazykov, Nikolay; **Preis, Sergei** Biomass Conversion and Biorefinery 2024 / p. 26193-26204 <https://doi.org/10.1007/s13399-023-04686-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mobility acceptance factors of an automated shuttle bus last-mile service**

**Soe, Ralf-Martin**; **Müür, Jaanus** Sustainability 2020 / art. 5469, 19 p. : ill <https://doi.org/10.3390/su12135469> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model-based testing of autonomous robots using TestIt**

**Kanter, Gert**; **Vain, Jüri** Journal of reliable intelligent environments 2020 / p. 15-30 <https://doi.org/10.1007/s40860-019-00095-w> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Modeling an alternate operational ground source heat pump for combined space heating and domestic hot water power sizing**

Ahmed, Kaiser; **Fadejev, Jevgeni**; **Kurnitski, Jarek** Energies 2019 / art. 2120, 26 p. : ill <https://doi.org/10.3390/en12112120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modelling framework for integration of large-scale heat pumps in district heating using low-temperature heat sources : A case study of Tallinn, Estonia**

Pieper, Henrik; Mašatin, Vladislav; **Volkova, Anna**; Ommen, Torben; Elmegaard, Brian; Markussen, Wiebke Brix International journal of sustainable energy planning and management 2019 / p. 67–86 : ill <https://doi.org/10.5278/ijsepm.2019.20.6> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Modelling of energy recovery in electric vehicles for various braking scenarios on changing road surfaces**

**Vodovozov, Valery**; **Raud, Zoja** Renewable energy and power quality journal 2020 / p. 178–183 <https://doi.org/10.24084/repqj18.264> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Modelling of wind energy-based microgrid system implementing MMC**

**Mishra, Sambeet**; **Palu, Ivo**; Madichetty, Sreedhar; Suresh Kumar, L.V. International Journal of Energy Research 2016 / p. 952-962 <https://doi.org/10.1002/er.3490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modular battery charger for light electric vehicles**

**Blinov, Andrei**; Verbytskyi, Ievgen; **Zinchenko, Denys**; **Vinnikov, Dmitri**; Galkin, Ilja Energies 2020 / art. 774, 21 p. : ill <https://doi.org/10.3390/en13040774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modular self-balancing battery charger concept for cost-effective power-assist wheelchairs**

Galkin, Ilja; **Blinov, Andrei**; Verbytskyi, Ievgen; **Zinchenko, Denys** Energies Special Issue Power Electronic Systems for Efficient and Sustainable Energy Supply 2019 / art. en12081526, 21 p. : ill <https://doi.org/10.3390/en12081526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Moisture buffer value of composite material made of clay-sand plaster and wastepaper**

**Nutt, Nele**; **Kubjas, Ardo** Journal of sustainable architecture and civil engineering 2020 / p. 108–115 <https://doi.org/10.5755/j01.sace.27.2.25391> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Moisture dry-out capability of steel-faced mineral wool insulated sandwich panels**

**Kalbe, Kristo**; **Piikov, Hubert**; **Kalamees, Targo** Sustainability 2021 / 18 p. : ill <https://doi.org/10.3390/su12219020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Moisture safety in prefabricated roof renovations : causes and strategies**

**Kodi, Georg-Mihkel**; **Kalbe, Kristo**; **Pihelo, Peep**; **Kalamees, Targo** Journal of sustainable architecture and civil engineering 2024 / p. 68-83 <https://doi.org/10.5755/j01.sace.35.2.35825> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **MPPT performance enhancement of low-cost PV microconverters**

**Vinnikov, Dmitri**; **Chub, Andrii**; **Korkh, Oleksandr**; **Liivik, Elizaveta**; Blaabjerg, Frede; Kouro, Samir Solar energy 2019 / p. 156-166 : ill <https://doi.org/10.1016/j.solener.2019.05.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Multi-criteria decision analysis for evaluating transitional and post-mining options - an innovative perspective from the EIT ReviRIS Project**

Amaro, Sandra Lourenco; Barbosa, Sofia; Ammerer, Gloria; Bruno, Aina; Guimera, Jordi; Orfanoudakis, Ioannis; Ostrega, Anna; Mylona, Evangelia; Strydom, Jessica; **Hitch, Michael William** Sustainability 2022 / art. 2292, 13 p. : ill

**A multihorizon approach for the reliability oriented network restructuring problem, considering learning effects, construction time, and cables maintenance costs**

Bordin, Chiara; **Mishra, Sambeet**; Palu, Ivo Renewable Energy 2021 / p. 878-895 : ill <https://doi.org/10.1016/j.renene.2020.12.105>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A multisensory, green, and energy efficient housing neuromarketing method**

Kaklauskas, Arturas; Ubarte, Ieva; Kalibatas, Darius; **Lill, Irene** Energies 2019 / art. 3836, 30 p. : ill <https://doi.org/10.3390/en12203836>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-source district heating system full decarbonization strategies: Technical, economic, and environmental assessment**

Pakere, Ieva; Feofilovs, Maksims; **Lepiksaar, Kertu**; Vītolīšs, Valdis; Blumberga, Dagnija Energy 2023 / art. 129296  
<https://doi.org/10.1016/j.energy.2023.129296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-species assessment of injury, mortality, and physical conditions during downstream passage through a large Archimedes hydrodynamic screw (Albert Canal, Belgium)**

Pauwels, Ine S.; Baeyens, Raf; **Toming, Gert**; **Tuhtan, Jeffrey Andrew** Sustainability 2020 / art. 8722, 25 p. : ill <https://doi.org/10.3390/su12208722> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nafion protective membrane enables using ruthenium oxide electrodes for pH measurement in milk**

**Lazouskaya, Maryna**; **Scheler, Ott**; **Mikli, Valdek**; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti Journal of The Electrochemical Society 2021 / art. 107511, 12 p. : ill <https://doi.org/10.1149/1945-7111/ac2d3c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nano-scale sulfurization of the Cu<sub>2</sub>ZnSnSe<sub>4</sub> crystal surface for photovoltaic applications**

**Kauk-Kuusik, Marit**; **Li, Xiaofeng**; **Pilvet, Maris**; **Timmo, Kristi**; **Mikli, Valdek**; **Kaupmees, Reelika**; **Danilson, Mati**; **Grossberg, Maarja** Journal of materials chemistry A 2019 / p. 24884-24890 : ill <https://doi.org/10.1039/C9TA08020A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nearly zero-energy building's (nZEB) definitions and assessment boundaries**

**Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 7-30 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_2](https://doi.org/10.1007/978-1-4471-5610-9_2) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Neural network control of green energy vehicles with blended braking systems**

**Vodovozov, Valery**; **Petlenkov, Eduard**; **Aksjonov, Andrei**; **Raud, Zoja** Renewable Energy & Power Quality Journal 2021 / p. 344-349 <https://doi.org/10.24084/repqj19.291> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Neural network-based model reference control of braking electric vehicles**

**Vodovozov, Valery**; **Aksjonov, Andrei**; **Petlenkov, Eduard**; **Raud, Zoja** Energies 2021 / art. 2373 <https://doi.org/10.3390/en14092373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Neuro-fuzzy framework for fault prediction in electrical machines via vibration analysis**

**Kudelina, Karolina**; **Raja, Hadi Ashraf** Energies 2024 / art. 2818 <https://doi.org/10.3390/en17122818> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A new double-market parallel trading mechanism for competitive electricity markets**

Shang, Jingyi; Jiang, Xin; Gao, Jinfeng; Fu, Keyuan; **Wen, Fushuan** IET renewable power generation 2022 / 11 p. : ill <https://doi.org/10.1049/rpg2.12422> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New equation for optimal insulation dependency on the climate for office buildings**

Ahmed, Kaiser; **Kurnitski, Jarek** Energies 2021 / art. 321 <https://doi.org/10.3390/en14020321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A new method for contrasting energy performance and near-zero energy building requirements in different climates and countries**

**Kurnitski, Jarek** Energies 2018 / art. 1334, 22 p. : ill <https://doi.org/10.3390/en11061334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New opportunities in real-time diagnostics of induction machines**

**Baraškova, Tatjana**; **Kudelina, Karolina**; **Shirokova, Veroonika** Energies 2024 / art. 3265 <https://doi.org/10.3390/en17133265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids**

Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; **Petlenkov, Eduard** Energies 2020 / art. 5641, 17 p. : ill <https://doi.org/10.3390/en13215641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Nickel and nitrogen-doped bifunctional ORR and HER electrocatalysts derived from CO<sub>2</sub>**

Remmel, Anna-Liis; Ratso, Sander; Divitini, Giorgio; **Danilson, Mati; Mikli, Valdek; Uibu, Mai**; Aruväli, Jaan; Kruusenberg, Ivar ACS Sustainable Chemistry and Engineering 2022 / p. 134-145 <https://doi.org/10.1021/acssuschemeng.1c05250> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Novel approaches to electrical machine fault diagnosis**

**Vaimann, Toomas**; Antonino-Daviu, Jose Alfonso; **Rassõlkin, Anton** Energies 2023 / art. 5641 <https://doi.org/10.3390/en16155641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A novel renewable powered stand-alone electric vehicle parking-lot model**

Jawad, Muhammad; Asghar, Hira; Arshad, Jehangir; Javed, Abbas; Qureshi, Muhammad Bilal; Ali, Sahibzada Muhammad; **Shabbir, Noman; Rassõlkin, Anton** Sustainable energy, grids and networks 2023 / art. 100992, 14 p. : ill <https://doi.org/10.1016/j.segan.2022.100992> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A novel strategy to enhance biohydrogen production using graphene oxidetreated thermostable crude cellulase and sugarcane bagasse hydrolyzate under co-culture system**

Srivastava, Neha; Srivastava, Manish; **Gupta, Vijai Kumar** Bioresource technology 2018 / p. 337-345 : ill <https://doi.org/10.1016/j.biortech.2018.09.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A Novel vector control strategy for a six-phase induction motor with low torque ripples and harmonic currents**

Heidari, Hamidreza; **Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants**; Taheri, Asghar; Holakooie, Mohammad Hosein; **Belahcen, Anouar** Energies 2019 / art. 1102, 14 p. : ill <https://doi.org/10.3390/en12061102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **nZEB case studies**

**Kurnitski, Jarek**; Achermann, Matthias Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 135-176 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_8](https://doi.org/10.1007/978-1-4471-5610-9_8) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Numerical demonstration of a transactive energy trading model for microgrids**

**Crasta, Cletus J.; Mishra, Sambeet; Agabus, Hannes; Palu, Ivo; Wen, Fushuan** IET renewable power generation 2022 / p. 792-806 <https://doi.org/10.1049/rpg2.12431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Numerical investigation of 3D rhombus designed PEMFC on the cell performance**

Jabbary, Ali; Rostami Arnesab, Sadra; Samanipour, Hossein; **Ahmadi, Nima** International journal of green energy 2021 / 17 p. : ill <https://doi.org/10.1080/15435075.2020.1865361> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Occupancy schedules for energy simulation in new prEN16798-1 and ISO/FDIS 17772-1 standards**

Ahmed, Kaiser; Akhondzada, Ali; **Kurnitski, Jarek**; Olesen, Bjarne Sustainable cities and society 2017 / p. 134-144 : ill <https://doi.org/10.1016/j.scs.2017.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Office building tenants' electricity use model for building performance simulations**

**Ferrantelli, Andrea; Kuivjõgi, Helena; Kurnitski, Jarek; Thalfeldt, Martin** Energies 2020 / art. 5541 <https://doi.org/10.3390/en13215541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain**

**Ordóñez, Javier**; Monfort, Mercedes; Cuestas, Juan Carlos Energy 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On sustainability and its perceptions: presenting the results of the first national survey on Sustainable Development Goals and its understanding by Vietnamese youth**

**Polese, Abel**; Phuong, Don Thuan; **Kerikmäe, Tanel; Ramiro Troitino, David** Rivista di studi sulla sostenibilità 2018 / p. 49-69 <https://doi.org/10.3280/RISS2018-001006> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **On the issues of spatial modeling of non-standard profiles by the example of electromagnetic emission measurement data**

Iakovleva, Emilia; Belova, Margarita; Soares, Amílcar; **Rassõlkin, Anton** Sustainability 2022 / art. 574 <https://doi.org/10.3390/su14010574> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the wave energy potential along the eastern Baltic Sea coast**

**Soomere, Tarmo; Eelsalu, Maris** Renewable energy 2014 / p. 221-233 : ill <https://doi.org/10.1016/j.renene.2014.05.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **One-source PVD of n-CuIn<sub>5</sub>Se<sub>8</sub> photoabsorber films for hybrid solar cells**

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Raadik, Taavi; Traksmäa, Rainer; Volobujeva, Olga; Kouhiisfahani, Elham;

**Öpik, Andres** Solar energy 2013 / p. 202-208 : ill <https://doi.org/10.1016/j.solener.2013.04.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Operation of district heat network in electricity and balancing markets with the power-to-heat sector coupling**

Javanshir, Nima; Syri, Sanna; Tervo, Seela; **Rosin, Argo** Energy 2023 / art. 126423 <https://doi.org/10.1016/j.energy.2022.126423> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Operation optimization of an integrated energy service provider with ancillary service provision**

Lai, Xinyi; Xie, Zhihan; Xu, Danlu; Ying, Shuyang; Zeng, Yiming; Jiang, Chenwei; Wang, Fei; **Wen, Fushuan**; **Palu, Ivo** Energies 2022 / art. 4376, 15 p. : ill <https://doi.org/10.3390/en15124376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal design and dispatch of electrically driven heat pumps and chillers for a new development area**

**Pieper, Henrik**; Ommen, Torben; Elmegaard, Brian; **Volkova, Anna**; Markussen, Wiebke Brix Environmental and Climate Technologies 2021 / p. 470-482 : ill <https://doi.org/10.2478/rtuct-2020-0117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal pricing strategy for data center considering demand response and renewable energy source accommodation**

Jiang, Chenwei; Tseng, Chung-Li; Wang, Yizheng; Lan, Zhou; **Wen, Fushuan**; Chen, Fei; Liang, Liang Journal of Modern Power Systems and Clean Energy 2023 / p. 345-354 <https://doi.org/10.35833/MPCE.2021.000130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal rotating receiver angles estimation for multicoil dynamic wireless power transfer**

Pakhaliuk, Bohdan; Shevchenko, Viktor; Mućko, Jan; **Husev, Oleksandr**; Lukianov, Mykola; Kołodziejek, Piotr; Strzelecka, Natalia; Strzelecki, Ryszard Energies 2021 / art. 6144, 15 p. : ill <https://doi.org/10.3390/en14196144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal scheduling of HVACs in islanded residential microgrids to reduce BESS size considering effect of discharge duration on voltage and capacity of battery cells**

Sanjareh, Mehrdad Bagheri; Nazari, Mohammad Hassan; Gharehpetian, Gevork B.; **Ahmadihangar, Roya**; **Rosin, Argo** Sustainable Energy, Grids and Networks 2021 / art. 100424 <https://doi.org/10.1016/j.segan.2020.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal tuning of fractional order sliding mode controller for PMSM speed using neural network with reinforcement learning**

**Zahraoui, Younes**; Zaihidee, Fardila M.; Kermadi, Mostefa; Mekhilef, Saad; Alhamrouni, Ibrahim; Seyedmahmoudian, Mehdi; Stojcevski, Alex Energies 2023 / art. 4353 <https://doi.org/10.3390/en16114353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal ultra-local model control integrated with load frequency control of renewable energy sources based microgrids**

**Bakeer, Abualkasim Ahmed Ali**; Magdy, Gaber; **Chub, Andrii**; Jurado, Francisco; Rihan, Mahmoud Energies 2022 / art. 9177 <https://doi.org/10.3390/en15239177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of renewable energy for buildings with energy storages and 15-minute power balance**

**Savolainen, Rebecka**; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of the inverter size for grid-connected residential wind energy systems with peak shaving**

Allik, Alo; **Märss, Mairo**; Uiga, Jaanus; Annuk, Andres Renewable energy 2016 / p. 1116-1125 : ill <https://doi.org/10.1016/j.renene.2016.08.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimizing size and economic feasibility assessment of photovoltaic and energy storage setup in residential applications**

**Nourollahi Hokmabad, Hossein**; **Husev, Oleksandr**; Kurnitski, Jarek; **Belikov, Juri** Sustainable energy, grids and networks 2024 / art. 101385, 15 p. : ill <https://doi.org/10.1016/j.segan.2024.101385> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Organisational innovation strategies in the context of smart specialization**

**Olaniyi, Eunice Omolola**; **Reidolf, Merli** Journal of security and sustainability issues 2015 / p. 213-227 : ill <https://journals.lka.lt/journal/jssi/article/1521/info> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Outdoor thermal comfort optimization in a cold climate to mitigate the level of urban heat island in an urban area**

**Eslamirad, Nasim**; Sepulveda Luque, Abel; De Luca, Francesco; Lylykangas, Kimmo Sakari; Ben Yahia, Sadok Energies 2023 / art. 4546, 28 p. : ill <https://doi.org/10.3390/en16124546> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Overview of solar photovoltaic applications for district heating and cooling**

**Sukumaran, Sreenath; Laht, Janika; Volkova, Anna** Environmental and Climate Technologies / p. 964-979  
<https://doi.org/10.2478/rtuct-2023-0070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An overview of the problems posed by plastic products and the role of extended producer responsibility in Europe**  
Leal Filho, Walter; **Iital, Arvo**; Moora, Harri; **Klõga, Marija**; **Voronova, Viktoria** Journal of cleaner production 2019 / p. 550-558  
<https://doi.org/10.1016/j.jclepro.2018.12.256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Overview on digital twin for autonomous electrical vehicles propulsion drive system**  
**Mohamed, Mahmoud Ibrahim Hassanin; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants** Sustainability 2022 / art. 601  
<https://doi.org/10.3390/su14020601> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH**  
**Taleb, Masoud**; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Lust, Enn Journal of The Electrochemical Society 2016 / p. F1251-F1257 <https://doi.org/10.1149/2.1051610jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen electroreduction on platinum nanoparticles deposited onto D-glucose derived carbon**  
**Taleb, Masoud**; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Jänes, Alar; Lust, Enn Journal of the Electrochemical Society 2015 / p. F651 - F660 <https://doi.org/10.1149/2.0231507jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen reduction on silver nanoparticles supported on carbide-derived carbons**  
Linge, Jonas Mart; Erikson, Heiki; Merisalu, Maido; **Kaljuvee, Tiit** Journal of the electrochemical society 2018 / p. F1199–F1205  
<https://doi.org/10.1149/2.0711814jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A parallel estimation system of stator resistance and rotor speed for active disturbance rejection control of six-phase induction motor**  
**Heidari, Hamidreza; Rassõlkin, Anton**; Holakooie, Mohammad Hosein; **Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar**; Lukichev, Dmitry Energies 2020 / 17 p <https://doi.org/10.3390/en13051121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method**  
Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Pathway analysis of a zero-emission transition in the Nordic-Baltic region**  
Lund, Peter D.; Skytte, Klaus; Bolwig, Simon; Bolkesjö, Torjus Folsland; **Koduvere, Hardi** Energies 2019 / art. 3337, 20 p. : ill  
<https://doi.org/10.3390/en12173337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes**  
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 <https://doi.org/10.1016/j.ijhydene.2022.03.199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance and feasibility analysis of electricity price based control models for thermal storages in households**  
**Rosin, Argo; Link, Siim; Lehtla, Madis**; Martins, Joao; **Drovtar, Imre; Roasto, Indrek** Sustainable cities and society 2017 / p. 366-374 : ill <https://doi.org/10.1016/j.scs.2017.04.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance assessment of sustainable leadership of enterprise's circular economy-driven innovative activities**  
Bashynska, I.; Malynovska, Y.; Kolinko, N.; Bieliyalov, T.; **Järvis, Marina**; Kovalska, K.; Saiensus, M. Sustainability 2024 / art. 558  
<https://doi.org/10.3390/su16020558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance based core sustainability metrics for university campuses developing towards climate neutrality : a robust PICSOU framework**  
Jiang, Qidi; **Kurnitski, Jarek** Sustainable cities and society 2023 / art. 104723 <https://doi.org/10.1016/j.scs.2023.104723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables**  
Shafiq, Muhammad; **Kiitam, Ivar**; Kauhaniemi, Kimmo; Taklaja, Paul; **Kütt, Lauri; Palu, Ivo** Energies 2020 / art. 4272, 14 p. : ill  
<https://doi.org/10.3390/en13164272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance improvement of PWM control methods for voltage step-down in series resonant DC–DC converters**  
**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** Energies 2020 / art. en13174569 ; 18 p <https://doi.org/10.3390/en13174569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Permanent magnets in sustainable energy: comparative life cycle analysis**

Orlova, Svetlana; **Rassölkin, Anton** Energies 2024 / art. 6384 <https://doi.org/10.3390/en17246384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Perspectives on Citizen Engagement for the EU Post-2020 Biodiversity Strategy : an empirical study**

Varumo, Liisa; Yaneca, Rositsa; **Koppel, Tarmo**; Koskela, Iida-Maria Sustainability 2020 / art. 1532, 24 p. : ill <https://doi.org/10.3390/su12041532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Peruvian small and medium-sized enterprises in times of crisis — or what is happening over time?**

**Durst, Susanne**; Svensson, Ann; Acuache, Mariano Martin Genaro Palacios Sustainability (Switzerland) 2021 / Art. 13560 <https://doi.org/10.3390/su132413560> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photovoltaic energy yield improvement in two-stage solar microinverters**

**Chub, Andrii**; Vinnikov, Dmitri; Stepenko, Serhii; Liivik, Elizaveta; Blaabjerg, Frede Energies 2019 / art. 3774, 17 p. : ill <https://doi.org/10.3390/en12193774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**PI parameter influence on underfloor heating energy consumption and setpoint tracking in nZEBs**

**Kull, Tuule Mall**; Thalfeldt, Martin; Kurnitski, Jarek Energies 2020 / art. 2068, 20 p. : ill <https://doi.org/10.3390/en13082068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Planning of district heating regions in Estonia**

**Volkova, Anna**; Latõšov, Eduard; Lepiksaar, Kertu; Siirde, Andres International journal of sustainable energy planning and management 2020 / p. 5–16 : ill <https://doi.org/10.5278/ijsepm.3490> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Plenty of planning, scanty guidance : evaluating the implementation degree of the general master plan in the city of Tampere, Finland**

Kuusela, Kaisu; **Partanen, Jenni Vilhelmiina** Sustainability 2022 / art. 15197 <https://doi.org/10.3390/su142215197> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Porous cores in small thermoacoustic devices for building applications**

**Auriemma, Fabio**; Di Giulio, Elio; Napolitano, Marialuisa; Dragonetti, Raffaele Energies 2020 / art. 2941, 19 p. : ill <https://doi.org/10.3390/en13112941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Post deposition annealing effect on properties of CdS films and its impact on CdS/Sb2Se3 solar cells performance**

**Gopi, Sajeesh Vadakkedath**; Spalatu, Nicolae; Basnayaka, Madhawa; Krautmann, Robert; Katerski, Atanas; Josepson, Raavo; Grzibovskis, Raitis; Vembris, Aivars; **Krunks, Malle**; **Oja Acik, Ilona** Frontiers in Energy Research 2023 / art. 1162576, 12 p <https://doi.org/10.3389/fenrg.2023.1162576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Potential of utilization of renewable energy technologies in Gulf countries**

Basha, J. Sadik; Jafary, Tahereh; Vasudevan, Ranjit; **Hussain, Abrar** Sustainability 2021 / art. 10261, 29 p. : ill <https://doi.org/10.3390/su131810261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power converter interfaces for electrochemical energy storage systems - a review**

Fernao Pires, Vitor; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; **Roasto, Indrek**; Martins, Joao Energy conversion and management 2014 / p. 453–475 : ill <https://doi.org/10.1016/j.enconman.2014.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power converter solutions for industrial PV applications — a review**

Verbytskyi, Ievgen; Lukianov, Mykola; Nassereddine, Kawsar; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Strzelecki, Ryszard Energies 2022 / art. 3295 <https://doi.org/10.3390/en15093295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power plant fuel consumption rate during load cycling**

**Nešumajev, Dmitri**; Rummel, Leo; Konist, Alar; Ots, Arvo; Parve, Teet Applied energy 2018 / p. 124–135 : ill <https://doi.org/10.1016/j.apenergy.2018.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Practice framework for the management of post-disaster housing reconstruction programmes**

**Bilau, Abdulquadri Ade**; Witt, Emlyn David Qivitoq; Lill, Irene Sustainability 2018 / art. 3929, 26 p. : ill <https://doi.org/10.3390/su10113929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Precision and accuracy of pulse propagation velocity measurement in power cables**

**Kiitam, Ivar**; Shafiq, Muhammad; Choudhary, Maninder; Parker, Martin; Palu, Ivo; Taklaja, Paul Energies 2023 / art. 2702 <https://doi.org/10.3390/en16062702> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Prediction of total product composition from pyrolysis and gasification of lignocellulosic biomass : a model for reactor design and optimization**

Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shiplu European biomass conference and exhibition proceedings



**Predictive analytics beyond time series : predicting series of events extracted from time series data**

**Mishra, Sambeet**; Bordin, Chiara; **Taharaguchi, Kota**; Purkayastha, Adri Wind Energy 2022 / p. 1596-1609  
<https://doi.org/10.1002/we.2760> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Preface**

**Kurnitski, Jarek** Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2013 / p. v-vi <https://link.springer.com/book/10.1007/978-1-4471-5610-9> Article collection metrics at Scopus Article at Scopus

**Present energy performance requirements and nZEB targets in some selected countries**

**Kurnitski, Jarek**; Feldmann, Christian Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 31-46 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_3](https://doi.org/10.1007/978-1-4471-5610-9_3) Article collection metrics at Scopus Article at Scopus

**Processing of lignocellulose in ionic liquids : a cleaner and sustainable approach**

**Qasim, Umair**; Rafiq, Sikander; Jamil, Farrukh; Ahmed, Ashfaq; Ali, Touqeer; **Kers, Jaan**; Khurram, M. Shahzad; Hussain, Murid; Inayat, Abrar; Park, Young-Kwon Journal of cleaner production 2021 / art. 129189, 17 p. : ill <https://doi.org/10.1016/j.jclepro.2021.129189> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Production of microbial lipids from optimized waste office paper hydrolysate, lipid profiling and prediction of biodiesel properties**

Nair, Anu Sadasivan; Al-Bahry, Saif; **Gathergood, Nicholas**; Tripathi, Bhumi Nath; Sivakumar, Nallusamy Renewable Energy 2020 / p. 124 - 134 <https://doi.org/10.1016/j.renene.2019.12.008> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Profit analytics in disruption risk for electrical energy supply network considering cost-oriented big data**

Fazlollahab, Hamed; **Ahmadihangar, Roya** Energy and Environment 2024 <https://doi.org/10.1177/0958305X231225599> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Progress in renewable electricity in Northern Europe towards EU 2020 targets**

Cross, Sam; Hast, Aira; **Kuhi-Thalfeldt, Reeli**; Syri, Sanna; Streimikiene, Dalia; Denina, Arta Renewable and Sustainable Energy Reviews 2015 / p. 1768 - 1780 <https://doi.org/10.1016/j.rser.2015.07.165> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Progress in sustainable recycling and circular economy of tungsten carbide hard metal scraps for industry 5.0 and onwards**

**Kumar, Rahul, 1993-**; Kariminejad, Arash; Antonov, Maksim; Goljandin, Dmitri; Klimczyk, Piotr; **Hussainova, Irina** Sustainability 2023 / art. 12249 <https://doi.org/10.3390/su151612249> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Progress toward improving ethanol production through decreased glycerol generation in Saccharomyces cerevisiae by metabolic and genetic engineering approaches**

Naghshbandi, Mohammad Pooya; Tabatabaei, Meisam; Aghbashlo, Mortaza; **Gupta, Vijai Kumar**; Sulaiman, Alawi; Karimi, Keikhosro; Moghimi, Hamid; Maleki, Mina Renewable and Sustainable Energy Reviews 2019 / Art. 109353  
<https://doi.org/10.1016/j.rser.2019.109353> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**A qualitative control approach to reduce energy costs of hybrid energy systems : utilizing energy price and weather data**

Taebnia, Mehdi; Heikkilä, Marko; **Kurnitski, Jarek** Energies 2020 / art. 1401, 17 p. : ill <https://doi.org/10.3390/en13061401> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Quantitative carbon emission prediction model to limit embodied carbon from major building materials in multi-story buildings**

Xie, Qimiao; **Jiang, Qidi**; **Kurnitski, Jarek**; Yang, Jiahang; Lin, Zihao; Ye, Shiqi Sustainability 2024 / art. 5575  
<https://doi.org/10.3390/su16135575> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Rapid catalytic water disinfection from earth abundant Ca<sub>2</sub>Fe<sub>2</sub>O<sub>5</sub> brownmillerite**

Vanags, Mārtiņš; Mežule, Linda; Spule, Arnita; Kostjukovs, Juris; Šmits, Krišjānis; Tamm, Aile; Juhna, Talis; Vihodceva, Svetlana; Käämbre, Tanel; **Vasiliev, Grigory** Advanced sustainable systems 2021 / art. 2100130, 10 p. : ill  
<https://doi.org/10.1002/adsu.202100130> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes**

Rajanna, Pramod M.; Meddeb, Hosni; **Bereznev, Sergei**; **Volobujeva, Olga**; **Danilson, Mati** Nano energy 2020 / art. 104183, 9 p. : ill <https://doi.org/10.1016/j.nanoen.2019.104183> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Realisation of energy performance targets of an old apartment building renovated to nZEB**

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill

<https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Recent trends in additive manufacturing and topology optimization of reluctance machines**

Hussain, Shahid; Kallaste, Ants; Vaimann, Toomas Energies 2023 / art. 3840 <https://doi.org/10.3390/en16093840> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reducing mining footprint by matching haul fleet demand and route-oriented tire types**

Pascual, Rodrigo; Roman, M.; Hitch, Michael William Journal of cleaner production 2019 / p. 645-651

<https://doi.org/10.1016/j.jclepro.2019.04.069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reinforcement learning model-based and model-free paradigms for optimal control problems in power systems: comprehensive review and future directions**

Ginzburg-Ganz, Elinor; Segev, Itay; Balabanov, Alexander; Segev, Elior; Kaully Naveh, Sivan; Machlev, Ram; Belikov, Juri; Katzir, Liran; Keren, Sarah; Levron, Yoash Energies 2024 / art. 5307, 54 p. : ill <https://doi.org/10.3390/en17215307> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Relationship analysis and optimisation of space layout to improve the energy performance of office buildings**

Du, Tiantian; Turrin, Michela; Jansen, Sabine; Dobbelsteen, Andy van den; De Luca, Francesco Energies 2022 / art. 1268

<https://doi.org/10.3390/en15041268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reliability analysis of battery energy storage system for various stationary applications**

Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Shen, Yanfeng; Sangwongwanich, Ariya Journal of energy storage 2022 / art. 104217 <https://doi.org/10.1016/j.est.2022.104217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Renovation results of Finnish single-family renovation subsidies : oil boiler replacement with heat pumps**

Sankelo, Paula; Ahmed, Kaiser; Mikola, Alo; Kurnitski, Jarek Energies 2022 / art. 7620 <https://doi.org/10.3390/en15207620> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Residential energy flexibility characterization using non-intrusive load monitoring**

Azizi, Elnaz; Ahmadihangar, Roya; Rosin, Argo; Martins, Joao; Lopes, Rui Amaral; Beheshti, M. TH.; Bolouki, Sadegh

Sustainable cities and society 2021 / art. 103321, 12 p. : ill <https://doi.org/10.1016/j.scs.2021.103321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Resiliency oriented control of a smart microgrid with photovoltaic modules**

Mishra, Sambeet; Peterson, Kristjan; Hilimon, Tauno; Šuvalova, Jelena; Wen, Fushuan; Palu, Ivo Global Energy

Interconnection 2021 / p. 441-452 <https://doi.org/10.1016/j.gloi.2021.11.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Resilient expansion planning of virtual power plant with an integrated energy system considering reliability criteria of lines and towers**

Mishra, Sambeet; Bordin, Chiara; Wu, Qiuwei; Manninen, Henri International journal of energy research 2022 / p. 13726-13751

<https://doi.org/10.1002/er.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Rethinking sustainability in human resource management**

Edvardsson, Ingi Runar; Durst, Susanne Sustainability (Switzerland) 2022 / Art. 6545 <https://doi.org/10.3390/su14116545> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of aging models for electrical insulation in power cables**

Choudhary, Maninder; Shafiq, Muhammad; Kiitam, Ivar; Hussain, Amjad; Palu, Ivo; Taklaja, Paul Energies 2022 / Art. nr. 3408

<https://doi.org/10.3390/en15093408> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of demand side flexibility potential in Northern Europe**

Söder, Lennart; Lund, Peter D.; Koduvere, Hardi; Folsland Bolkesjø, Torjus Renewable and Sustainable Energy Reviews 2018 / p. 654-664 : ill <https://doi.org/10.1016/j.rser.2018.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of electric vehicle testing procedures for digital twin development : a comprehensive analysis**

Rjabtšikov, Viktor; Rassölkin, Anton; Kudelina, Karolina; Kallaste, Ants; Vaimann, Toomas Energies 2023 / art. 6952

<https://doi.org/10.3390/en16196952> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of energy challenges and horizons of hydrogen city buses**

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard Energies 2022 / art. 6945 <https://doi.org/10.3390/en15196945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of hybrid converter topologies**

**Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri** Energies 2022 / art. 9341  
<https://doi.org/10.3390/en15249341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Review of isolated matrix inverters : topologies, modulation methods and applications**  
**Korkh, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri; Chub, Andrii** Energies 2020 / art. 2394, 30 p. : ill  
<https://doi.org/10.3390/en13092394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of non-residential building renovation and improvement of energy efficiency: office buildings in Finland, Sweden, Norway, Denmark, and Germany**  
**Kiviste, Mihkel; Musakka, Sami; Ruus, Aime; Vinha, Juha** Energies 2023 / art. 4220, 26 p <https://doi.org/10.3390/en16104220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of optimal control methods for energy storage systems - energy trading, energy balancing and electric vehicles**  
**Machlev, Ram; Zargari, Noa; Chowdhury, N; Belikov, Juri; Levron, Yoash** Journal of energy storage 2020 / art. 101787, 16 p  
<https://doi.org/10.1016/j.est.2020.101787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of synchronous reluctance motor-drive advancements**  
**Heidari, Hamidreza; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas; Andriushchenko, Ekaterina; Belahcen, Anouar; Lukichev, Dmitry** Sustainability 2021 / art. 729, p. 1-37 <https://doi.org/10.3390/su13020729> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review on additive manufacturing possibilities for electrical machines**  
**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassölkin, Anton** Energies 2021 / art. 1940  
<https://doi.org/10.3390/en14071940> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Review on Braking Energy Management in Electric Vehicles**  
**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** Energies 2021 / art. 4477 <https://doi.org/10.3390/en14154477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review on energy piles design, sizing and modelling**  
**Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Haghighat, Fariborz** Energy 2017 / p. 390-407 : ill  
<https://doi.org/10.1016/j.energy.2017.01.097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Risk management for green transport corridors**  
**Schröder, Meike; Prause, Gunnar Klaus** Journal of security and sustainability issues 2015 / p. 229-239 : ill  
<https://journals.lka.lt/journal/jssi/article/1522/info> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Sb<sub>2</sub>S<sub>3</sub> solar cells with a cost-effective and dopant-free fluorene-based enamine as a hole transport material**  
**Juneja, Nimish; Mandati, Sreekanth; Katerski, Atanas; Spalatu, Nicolae; Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; Krunks, Malle; Oja Acik, Ilona** Sustainable Energy & Fuels 2022 / p. 3220-3229  
<https://doi.org/10.1039/D2SE00356B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Scalable lipase-catalyzed synthesis of (R)-4-(Acyloxy)pentanoic acids from racemic  $\gamma$ -valerolactone**  
**Parve, Jaan; Kudrjašova, Marina; Shalima, Tatsiana; Villo, Ly; Liblikas, Ilme; Reile, Indrek; Pehk, Tõnis; Gathergood, Nicholas; Aav, Riina; Vares, Lauri; Parve, Omar** ACS sustainable chemistry & engineering 2021 / p. 1494-1499  
<https://doi.org/10.1021/acssuschemeng.0c07918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Screening and optimization of processing temperature for Sb<sub>2</sub>Se<sub>3</sub> thin film growth protocol : interrelation between grain structure, interface intermixing and solar cell performance**  
**Spalatu, Nicolae; Krautmann, Robert; Katerski, Atanas; Kärber, Erki; Josepson, Raavo; Hiie, Jaan; Oja Acik, Ilona; Krunks, Malle** Solar energy materials and solar cells 2021 / art. 111045, 13 p. : ill <https://doi.org/10.1016/j.solmat.2021.111045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Secure and sustainable supply chain management : integrated ICT-systems for green transport corridors**  
**Prause, Gunnar Klaus; Hunke, Kristina** Journal of security and sustainability issues 2014 / p. 5-16 : ill  
[https://doi.org/10.9770/jssi.2014.3.4\(1\)](https://doi.org/10.9770/jssi.2014.3.4(1)) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Shedding Light on the Brazilian Amazon biotrade : a study on sustainable development in native communities**  
**Elias, Marcelo; Bartocci Liboni, Lara; Cezarino, Luciana O.; Pinheiro Martins, Flavio; Lopes Pimenta, Marcio; Hilmola, Olli-Pekka Kristian** Sustainability 2022 / art. 12826 <https://doi.org/10.3390/su141912826> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Signal spectrum-based machine learning approach for fault prediction and maintenance of electrical machines**  
**Raja, Hadi Ashraf; Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Rassölkin, Anton; Khang, Huynh Van** Energies 2022 / art. 9507 <https://doi.org/10.3390/en15249507> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Single-stage buck–boost inverters: a state-of-the-art survey**

Azizi, Mohammadreza; Husev, Oleksandr; Vinnikov, Dmitri Energies 2022 / art. 1622 <https://doi.org/10.3390/en15051622> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sliding mean value subtraction-based DC drift correction of B-H curve for 3D-printed magnetic materials**

Asad, Bilal; Tiismus, Hans; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams Energies 2021 / art. 284, 10 p <https://doi.org/10.3390/en14020284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sliding mode based control of dual boost inverter for grid connection**

Lopez-Caiza, Diana; Flores-Bahamonde, Freddy; Kouro, Samir; Santana, Victor; Müller, Nicolas; Chub, Andrii Energies 2019 / art. 4241, 15 p.: ill <https://doi.org/10.3390/en12224241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Small and medium-sized port greening initiatives as trigger for a servitisation port ecosystem**

Meyer, Christopher; Gerlitz, Laima; Prause, Gunnar Klaus Environmental and Climate Technologies 2023 / p. 476-488 <https://doi.org/10.2478/rtuct-2023-0035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Small and medium-sized ports in the TEN-T network and Nexus of Europe's Twin Transition : the way towards sustainable and digital port service ecosystems**

Gerlitz, Laima; Meyer, Christopher Sustainability 2021 / art. 4386, 24 p. : ill <https://doi.org/10.3390/su13084386> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Small low-temperature district heating network development prospects**

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; Latõšov, Eduard; Siirde, Andres Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Smart contract formation enabling energy-as-a-service in a virtual power plant**

Mishra, Sambeet; Crasta, Cletus J.; Bordin, Chiara; MateoIFornés, Jordi International journal of energy research 2022 / p. 3272-3294 <https://doi.org/10.1002/er.7381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Smart sustainable city roadmap as a tool for addressing sustainability challenges and building governance capacity**

Pereira, Gabriela Viale; Schuch de Azambuja, Luiza Sustainability 2022 / art. 239 <https://doi.org/10.3390/su14010239> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A smart-contract-based adaptive security governance architecture for smart city service interoperations**

Siddiqui, Shahbaz; Hameed, Sufian; Shah, Syed Attique; Arshad, Junaid; Ahmed, Yussuf; Draheim, Dirk Sustainable Cities and Society 2024 / art. 105717 <https://doi.org/10.1016/j.scs.2024.105717> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SO2 emissions from oil shale oxyfuel combustion in a 60 kWth circulating fluidized bed**

Baqain, Mais Hanna Suleiman; Nešumajev, Dmitri; Konist, Alar Energies 2024 / art. 4567 <https://doi.org/10.3390/en17184567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Socio-economic impacts of large-scale deep energy retrofits in Finnish apartment buildings**

Hirvonen, Janne; Saari, Arto; Jokisalo, Juha; Kosonen, Risto Journal of cleaner production 2022 / art. 133187, 19 p. : ill <https://doi.org/10.1016/j.jclepro.2022.133187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Spectrum analysis for condition monitoring and fault diagnosis of ventilation motor : a case study**

Shabbir, Noman; Kütt, Lauri; Asad, Bilal; Jawad, Muhammad; Iqbal, Muhammad Naveed; Daniel, Kamran Energies 2021 / art. 2001 <https://doi.org/10.3390/en14072001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **State coordinated voltage control in an active distribution network with on-load tap changers and photovoltaic systems**

Singh, Praveen Prakash; Palu, Ivo Global Energy Interconnection 2021 / 9 p. : ill <https://doi.org/10.1016/j.gloi.2021.05.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **State of charge and health estimation of batteries for electric vehicles applications: key issues and challenges**

Singh, Pratap Samarendra; Singh, Praveen Prakash; Singh, Niwas Sri; Tiwari, Prabhakar Global Energy Interconnection 2021 / 13 p. : ill <https://doi.org/10.1016/j.gloi.2021.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **State of the art of automated buses**

Ainsalu, Jaagup; Müür, Jaanus; Soe, Ralf-Martin Sustainability 2018 / art. 3118, 34 p. : ill <https://doi.org/10.3390/su10093118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **State-of-the-Art techniques for fault diagnosis in electrical machines: Advancements and future directions**

Akbar, Siddique; Vaimann, Toomas; Asad, Bilal; Kallaste, Ants; Sardar, Muhammad Usman; Kudelina, Karolina Energies



### **Steady-state thermal modeling of salient pole synchronous generator**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; **Belahcen, Anouar;** **Vaimann, Toomas;** Kudrjavev, Oleg; **Asad, Bilal;** **Iqbal, Muhammad Naveed** *Energies* 2022 / art. 9460 <https://doi.org/10.3390/en15249460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Steam activation of oil shale to enhance the porosity of produced semicoke**

**Pikkor, Heliis;** **Lees, Heidi;** **Konist, Alar;** **Järvik, Oliver;** **Maaten, Birgit** *Energy Sources, Part A : Recovery, Utilization, and Environmental Effects* 2022 / p. 9064-9073 <https://doi.org/10.1080/15567036.2022.2128471> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Step-Up series resonant DC-DC converter with bidirectional-switch-based boost rectifier for wide input voltage range photovoltaic applications**

**Bakeer, Abualkasim Ahmed Ali;** **Chub, Andrii;** **Vinnikov, Dmitri** *Energies* 2020 / Art. 3747 <https://doi.org/10.3390/en13143747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Strategic factor analysis for Industry 4.0**

**Wahl, Mike Franz** *Journal of security and sustainability issues* 2015 / p. 241-247 [https://www.researchgate.net/publication/287387336\\_Strategic\\_factor\\_analysis\\_for\\_industry\\_40](https://www.researchgate.net/publication/287387336_Strategic_factor_analysis_for_industry_40) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Strategies for sustainable and circular management of phosphorus in the Baltic Sea region : The holistic approach of the InPhos project**

**Smol, Marzena;** **Preisner, Michal;** **Bianchini, Augusto;** **Voronova, Viktoria;** **Pachel, Karin** *Sustainability* 2020 / 21 p. : ill <https://doi.org/10.3390/su12062567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A structurally flexible halide solid electrolyte with high ionic conductivity and air processability**

**Karkera, Guruprakash;** **Soans, Mervyn;** **Akbaş, Ayça;** **Witter, Raiker;** **Euchner, Holger;** **Diemant, Thomas;** **Cambaz, Musa Ali;** **Meng, Zhen;** **Dasari, Bosubabu;** **Chandrappa, Shivaraju Guddehalli;** **Menezes, Prashanth W.;** **Fichtner, Maximilian** *Advanced energy materials* 2023 / art. 2300982 <https://doi.org/10.1002/aenm.202300982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Structure and electrochemical properties of Na<sub>2</sub>±xV<sub>3</sub>P<sub>2</sub>O<sub>13</sub> (x = 0 and 1): a promising cathode material for sodium-ion batteries**

**Reddy, M. Anji;** **Euchner, Holger;** **Witter, Raiker;** **Clemens, Oliver** *Journal of materials chemistry A* 2018 / p. 6947-6958 : ill <https://doi.org/10.1039/C8TA00588E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Study of (Ag<sub>x</sub>Cu<sub>1-x</sub>)<sub>2</sub>ZnSn(S,Se)<sub>4</sub> monograins synthesized by molten salt method for solar cell applications**

**Oueslati, Souhaib;** **Kauk-Kuusik, Marit;** **Neubauer, Christian;** **Mikli, Valdek;** **Meissner, Dieter;** **Brammertz, Guy;** **Vermang, B.;** **Krustok, Jüri;** **Grossberg, Maarja** *Solar energy* 2020 / p. 586-595 <https://doi.org/10.1016/j.solener.2020.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Study of Zn(O,S) films grown by aerosol assisted chemical vapour deposition and their application as buffer layers in Cu(In,Ga)(S,Se)<sub>2</sub> solar cells**

**Kriisa, Merike;** **Saez-Araoz, Rodrigo;** **Kärber, Erki;** **Krunks, Malle** *Solar energy* 2015 / p. 562-568 : ill <https://doi.org/10.1016/j.solener.2015.02.046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Suppression method of ultralow-frequency oscillation under ambient excitation in hydro-dominant power systems**

**Guowei, Cai;** **Xuan, Lei;** **Zhenglong, Sun;** **Bo, Gao;** **Xiaoqiang, Wei;** **Hao, Yang;** **Belikov, Juri;** **Levron, Yoash** *Renewable energy* 2024 / art. 119983, 18 p. : ill <https://doi.org/10.1016/j.renene.2024.119983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainability assessment of the new residential projects in the Baltic States : a multiple criteria approach**

**Tupenaite, Laura;** **Kaklauskas, Arturas;** **Lill, Irene;** **Geipele, Ineta** *Sustainability* 2018 / art. 1387, 21 p. : ill <https://doi.org/10.3390/su10051387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable business models and structures for industry 4.0**

**Prause, Gunnar Klaus** *Journal of security and sustainability issues* 2015 / p. 159-169 : ill [https://www.researchgate.net/publication/287387194\\_Sustainable\\_business\\_models\\_and\\_structures\\_for\\_industry\\_40](https://www.researchgate.net/publication/287387194_Sustainable_business_models_and_structures_for_industry_40) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Sustainable conditions for the development of renewable energy systems : a triple bottom line perspective**

**Lerman, Laura Visintainer;** **Benitez, Guilherme Brittes;** **Gerstlberger, Wolfgang Dieter;** **Rodrigues, Vinicius Picanço;** **Frank, Alejandro G.** *Sustainable cities and society* 2021 / art. 103362, 11 p. : ill <https://doi.org/10.1016/j.scs.2021.103362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable data governance for cooperative, connected and automated mobility in the European Union**

Andraško, Jozef; Hamulak, Ondrej; Mesarčik, Matuš; Kerikmäe, Tanel; Kajander, Aleks Oskar Johannes Sustainability 2021 / art. 10610, 25 p <https://doi.org/10.3390/su131910610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable development in Estonian mining**

Šommet, Julija Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 34-40 : ill <https://doi.org/10.2478/rtuct-2013-0005> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Sustainable development of logistics clusters in green transport corridors**

Prause, Gunnar Klaus Journal of security and sustainability issues 2014 / p. 59-68 [https://doi.org/10.9770/jssi.2014.4.1\(5\)](https://doi.org/10.9770/jssi.2014.4.1(5)) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Sustainable electronic product development in the Baltic Sea region: a regional gap analysis of lab testing services**

Philipp, Robert; Ozarska, Alise; Prause, Gunnar Klaus Environmental and Climate Technologies 2019 / p. 85-100 <https://doi.org/10.2478/rtuct-2019-0081> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable fabrication of polypropylene-postconsumer cotton composite materials : circularity, characterization, mechanical testing, and tribology**

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Viljus, Mart; Krasnou, Illia Materials today sustainability 2023 / art. 100344, 16 p. : ill <https://doi.org/10.1016/j.mtsust.2023.100344> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable rural electrification : harnessing a cosmological wind**

Troullaki, Katerina; Rozakis, Stelios; Latoufis, Kostas; Giotitsas, Christos; Priavolou, Christina; Freire, Fausto Energies 2022 / art. 4659 <https://doi.org/10.3390/en15134659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable supply chain management in German automotive industry : experiences and success factors**

Hunke, Kristina; Prause, Gunnar Klaus Journal of security and sustainability issues 2014 / p. 15-22 : ill [https://doi.org/10.9770/jssi.2014.3.3\(2\)](https://doi.org/10.9770/jssi.2014.3.3(2)) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Sustainable supply chain management issues : case of regional SMEs' involvement in the air cargo**

Beifert, Anatoli; Maknyte, Laima; Prause, Gunnar Klaus Journal of security and sustainability issues 2013 / p. 41-52 [https://doi.org/10.9770/jssi.2013.3.2\(4\)](https://doi.org/10.9770/jssi.2013.3.2(4)) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Synthesis and characterization of mechanical properties of boron-carbon-based superhard composites**

Kommel, Lembit; Omranpour Shahreza, Babak Carbon Letters 2023 / p. 1311-1319 <https://doi.org/10.1007/s42823-022-00351-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Systematic mapping of long-term urban challenges**

Soe, Ralf-Martin; Sarv, Lill; Gasco-Hernandez, Mila Sustainability 2022 / art. 817 <https://doi.org/10.3390/su14020817> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia**

Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf; Jawad, Muhammad; Allik, Alo; Husev, Oleksandr Energy 2022 / art. 124156 <https://doi.org/10.1016/j.energy.2022.124156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Techno-economic assessment of CO2 capture possibilities for oil shale power plants**

Saia, Artjom; Nešumajev, Dmitri; Hazak, Aaro; Sander, Priit; Järvik, Oliver; Konist, Alar Renewable and sustainable energy reviews 2022 / art. 112938, 11 p. : ill <https://doi.org/10.1016/j.rser.2022.112938> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Technologies and practical implementations of air-conditioner based demand response**

Waseem, Muhammad; Lin, Zhenzhi; Ding, Yi; Wen, Fushuan; Liu, Shengyuan; Palu, Ivo Journal of Modern Power Systems and Clean Energy 2021 / p. 1395 - 1413 <https://doi.org/10.35833/MPCE.2019.000449> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Technologies for decreasing mining losses**

Valgma, Ingo; Väizene, Vivika; Kolats, Margit; Saarnak, Martin Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 41-47 : ill <https://doi.org/10.2478/rtuct-2013-0006> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Textile-integrated conductive layers for flexible semiconductor-based photovoltaic structures**

Czarnecki, Przemysław; Szudziel, Bartosz; Janczak, Daniel; Ruta, Lukasz; Sibinski, Maciej; Znajdek, Katarzyna Energies 2024 / art. 3839 <https://doi.org/10.3390/en17153839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The convergence of digital commons with local manufacturing from a degrowth perspective : two illustrative cases**  
**Kostakis, Vasileios**; Latoufis, Kostas; Liarokapis, Minas; Bauwens, Michel Journal of cleaner production 2018 / p. 1684-1693 : ill  
<https://doi.org/10.1016/j.jclepro.2016.09.077> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The double-edged role of firm environmental behaviour in the creation of product innovation in Central and Eastern European countries**  
Prokop, Viktor; **Gerstlberger, Wolfgang Dieter**; Zapletal, David; Kotkova Striteska, Michaela Journal of cleaner production 2022 / art. 129989 <https://doi.org/10.1016/J.JCLEPRO.2021.129989> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The effect of Ag alloying of Cu<sub>2</sub>(Zn,Cd)SnS<sub>4</sub> on the monograin powder properties and solar cell performance**  
**Timmo, Kristi**; Altosaar, Mare; Pilvet, Maris; Mikli, Valdek; Grossberg, Maarja; Danilson, Mati; Raadik, Taavi; Josepson, Raavo; Krustok, Jüri; Kauk-Kuusik, Marit Journal of materials chemistry A 2019 / p. 24281-24291 : ill  
<https://doi.org/10.1039/C9TA07768E> TTÜ teadlased tõstsid uue põlvkonna päikesepaneelide tõhusust Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The effect of S/Se ratio on the properties of Cu<sub>2</sub>CdGe(SxSe<sub>1-x</sub>)<sub>4</sub> microcrystalline powders for photovoltaic applications**  
**Li, Xiaofeng**; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Mikli, Valdek; Kauk-Kuusik, Marit Solar energy 2020 / p. 646-652 : ill <https://doi.org/10.1016/j.solener.2020.09.045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of energy renovation on the change of indoor temperature and energy use**  
**Hamburg, Anti**; Kalamees, Targo Energies 2018 / art. 3179, p. 1-15 : ill <https://doi.org/10.3390/en11113179> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The nexus of world electricity and global sustainable development**  
Wittmann, Veronika; Arici, Elif; **Meissner, Dieter** Energies 2021 / art. 5843, 21 p. : ill <https://doi.org/10.3390/en14185843> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The role of storage degradation in energy management problems: an optimal control perspective**  
Chowdhury, Nilanjan Roy; **Belikov, Juri**; Beck, Yuval; Levron, Yoash; Baimel, Dmitry Journal of Energy Storage 2023 / art. 107412, 10 p <https://doi.org/10.1016/j.est.2023.107412> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I : thermoelectric concepts, domestic boilers and biomass stoves**  
**Kütt, Lauri**; Millar, John; Karttunen, Antti; Karppinen, Maarit Renewable and Sustainable Energy Reviews 2018 / p. 519-544  
<https://doi.org/10.1016/j.rser.2017.03.051> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Thermogravimetric analysis and process simulation of oxyfuel combustion of blended fuels including oil shale,semicoke, and biomass**  
**Yörük, Can Rüstü**; Meriste, Tõnis; **Sener, Sener**; Kuusik, Rein, keemik; Trikkel, Andres International journal of energy research 2018 / p. 2213-2224 : ill <https://doi.org/10.1002/er.4011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**To grind or not to grind? The influence of mechanical and thermal treatments on the Cu/Zn disorder in Cu<sub>2</sub>ZnSn(SxSe<sub>1-x</sub>)<sub>4</sub> monograins**  
Gurieva, Galina; Rotaru, Victoria; Ernits, Kaia; Siminel, Nichita A.; Manjón-Sanz, Alicia; Kirkham, Melanie J.; Perez-Rodriguez, Alejandro; Guc, Maxim; **Meissner, Dieter**; Schorr, Susan Solar Energy Materials and Solar Cells 2022 / Art. 112009  
<https://doi.org/10.1016/j.solmat.2022.112009> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Tool for the assessment and prediction of animal by-product resources**  
Sannik, Urmas; **Pitk, Peep**; Lepasalu, Lembit; Poikalainen, Väino Waste and Biomass Valorization 2016 / p. 397 - 404  
<https://doi.org/10.1007/s12649-015-9447-3> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Towards a political ecology of the digital economy : socio-environmental implications of two competing value models**  
**Kostakis, Vasileios**; Roos, Andreas; Bauwens, Michel Environmental innovation and societal transitions 2016 / p. 82-100 : ill  
<https://doi.org/10.1016/j.eist.2015.08.002> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Towards Circular Economy : Unveiling Heterogeneous Effects of Government Policy Stringency, Environmentally Related Innovation, and Human Capital within OECD Countries**  
Arthur, Emmanuel Ebo; Gyamfi, Solomon; **Gerstlberger, Wolfgang Dieter**; Stejskal, Jan; Prokop, Viktor Sustainability 2023 / art. 4959 <https://doi.org/10.3390/su15064959> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Towards efficient mapping of greenhouse gas emissions : a case study of the port of Tallinn**  
**Kotta, Jonne**; Fetisso, Mihhail; Kaasik, Ellen; Vää, Janis; Štökov, Stanislav; Tapaninen, Ulla Pirita Sustainability 2023 / art.

**Towards green and smart seaports : renewable energy and automation technologies for Bulk Cargo Loading Operations**  
**Philipp, Robert**; Prause, Gunnar Klaus; Olaniyi, Eunice Omolola; Lemnke, Florian Environmental and Climate Technologies 2021 / p. 650 - 665 <https://doi.org/10.2478/rtuct-2021-0049> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Tracing sustainable production from a degrowth and localisation perspective : a case of 3D printers**  
**Priavolou, Christina**; Troullaki, Katerina; **Tsiouris, Nikiforos**; **Giotitsas, Christos**; **Kostakis, Vasileios** Journal of cleaner production 2022 / art. 134291 <https://doi.org/10.1016/j.jclepro.2022.134291> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Transition towards Smart City : the case of Tallinn**  
**Sarv, Lill**; **Soe, Ralf-Martin** Sustainability 2021 / art. 4143, 18 p <https://doi.org/10.3390/su13084143> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Travel activity based stochastic modelling of load and charging state of electric vehicles**  
**Iqbal, Muhammad Naveed**; **Kütt, Lauri**; Lehtonen, Matti; Millar, Robert John; Püvi, Verner; **Rassõlkin, Anton**; **Demidova, Galina** Sustainability 2021 / art. 1550, 14 p. : ill <https://doi.org/10.3390/su13031550> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Trilemma of Nordic–Baltic forestry - how to implement UN sustainable development goals**  
Högbom, Lars; Abbas, Dalia; Armolaitis, Kęstutis; Baders, Endijs; Futter, Martyn; Jansons, Aris; Jögeste, Kalev; Lazdins, Andis; Lukminė, Diana; **Mustonen, Mirko**; Øistad, Knut; **Poska, Anneli** Sustainability 2021 / art. 5643, 12 p. : map <https://doi.org/10.3390/su13105643> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Two-Stage Self-Healing Restoration Strategy Considering Operating Performance**  
Pang, Kaiyuan; Wang, Chongyu; **Wen, Fushuan**; **Palu, Ivo**; Feng, Changsen; Yang, Zeng; Chen, Minghui; Zhao, Hongwei; Shang, Huiyu Journal of Energy Engineering 2020 [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000683](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000683) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Understanding computational methods for solar envelopes based on design parameters, tools, and case studies : a review**  
Alkadri, Miktha Farid; **De Luca, Francesco**; Turrin, Michel; Sariyildiz, Sevil Energies 2020 / art. 3302, 25 p. : ill <https://doi.org/10.3390/en13133302> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Unleashing a golden age after the financial collapse : drawing lessons from history**  
**Perez, Carlota** Environmental Innovation and Societal Transitions 2013 / p. 9-23 <https://doi.org/10.1016/j.eist.2012.12.004> Journal metrics at Scopus Article at Scopus

**Unlocking the porosity of Fe–N–C catalysts using hydroxyapatite as a hard template en route to eco-friendly high-performance AEMFCs**  
Teppor, Patrick; Jäger, Rutha; Koppel, Miriam; **Volobujeva, Olga**; Palm, Rasmus; Månsson, Martin; Härk, Eneli; Kochovski, Zdravko; Aruväli, Jaan; Kooser, Kuno Journal of power sources 2024 / art. 233816, 11 p. : ill <https://doi.org/10.1016/j.jpowsour.2023.233816> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Using common household thermal storages to support the PV- and battery system in nearly zero energy buildings in off-grid mode**  
**Häring, Tobias**; **Rosin, Argo**; Biechl, Helmuth Sustainable energy technologies and assessments 2019 / p. 12-24 : ill <https://doi.org/10.1016/j.seta.2019.05.014> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Utilization of pyrolytic wastewater in oil shale fired CFBC boiler**  
**Konist, Alar**; **Järvik, Oliver**; **Pikkor, Heliis**; **Nešumajev, Dmitri**; **Pihu, Tõnu** Journal of cleaner production 2019 / p. 487-493 : ill <https://doi.org/10.1016/j.jclepro.2019.06.213> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Valorisation of waste heat in existing and future district heating systems**  
Pakere, Ieva; Blumberga, Dagnija; **Volkova, Anna**; **Lepiksaar, Kertu**; Zime, Agate Energies 2023 / art. 6796 <https://doi.org/10.3390/en16196796> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Verification of utility-scale solar photovoltaic plant models for dynamic studies of transmission networks**  
Machlev, Ram; Batushansky, Zohar; Soni, Sachin; Chadliev, Vladimir; **Belikov, Juri**; Levron, Yoash Energies 2020 / art. 3191, 20 p. : ill <https://doi.org/10.3390/en13123191> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**What's worse, communism or carbon? Using the Transitions Delphi approach to identify viable interventions for the Estonian energy transition**  
Pahker, Anna-Kati; Keller, Margit; **Karo, Erkki**; Vihalemm, Triin; Solvak, Mihkel; Orru, Kati; Tammiksaar, Erki; Ukrainski, Kadri; Noorkõiv, Martin Energy research & social science 2014 / art. 103421, 14 p. : ill <https://doi.org/10.1016/j.erss.2024.103421> Journal



[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wide input voltage range operation of the series resonant DC-DC converter with bridgeless boost rectifier**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri; Rosin, Argo** Energies 2020 / p. 4220–4237

<https://doi.org/10.3390/en13164220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wide range series resonant DC-DC converter with a reduced component count and capacitor voltage stress for distributed generation**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Blinov, Andrei; Lai, Jih-Sheng** Energies 2021 / art. 2051

<https://doi.org/10.3390/en14082051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Will sanctions against Russia be successful: Will Russia fall before Ukraine?**

**Veebel, Viljar; Markus, Raul** Journal of Security and Sustainability Issues 2016 / p. 465 - 480 [https://doi.org/10.9770/jssi.2016.5.4\(2\)](https://doi.org/10.9770/jssi.2016.5.4(2))

[Journal metrics at Scopus](#) [Article at Scopus](#)

**Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia**

**Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik** Energy 2017 / p. 685-697 : ill

<https://doi.org/10.1016/j.energy.2017.06.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wireless charging station design for electric scooters : case study analysis**

**Shevchenko, Viktor; Pakhaliuk, Bohdan; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard** Energies 2024 / art. 2472

<https://doi.org/10.3390/en17112472> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Virtual inertia control methods in islanded microgrids**

**Škiparev, Vjatseslav; Machlev, Ram; Chowdhury, Nilanjan Roy; Levron, Yoash; Petlenkov, Eduard; Belikov, Juri** Energies 2021 /

art. 1562, 20 p. : ill <https://doi.org/10.3390/en14061562> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Virtual inertia control of isolated microgrids using an NN-based VFOPID controller**

**Škiparev, Vjatseslav; Nosrati, Komeil; Tepljakov, Aleksei; Petlenkov, Eduard; Levron, Yoash; Belikov, Juri; Guerrero, Joseph**

M. IEEE Transactions on sustainable energy 2023 / p. 1558-1568 <https://doi.org/10.1109/TSTE.2023.3237922> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Virtual inertia emulation through virtual synchronous generator based superconducting magnetic energy storage in modern power system**

**Salama, Hossam S.; Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Vokony, Istvan** Journal of Energy Storage 2021 / Art. 103466

<https://doi.org/10.1016/j.est.2021.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Visible light-assisted instability of kesterite Cu<sub>2</sub>ZnSnS<sub>4</sub> : what are the implications?**

**Kois, Julia; Polivtseva, Svetlana; Mamedov, Damir; Samieipour, Ali; Karazhanov, S. Zh.** Solar energy materials and solar cells

2020 / art. 110384, 10 p <https://doi.org/10.1016/j.solmat.2019.110384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Voltage source operation of the energy-router based on model predictive control**

**Roasto, Indrek; Husev, Oleksandr; Najafzadeh, Mahdiyyeh; Jalakas, Tanel; Rodriguez, Jose** Energies 2019 / art. 1892, 15 p. .

ill <https://doi.org/10.3390/en12101892> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**XPS study of OH impurity in solution processed CdS thin films**

**Maticiuc, Natalia; Katerski, Atanas; Danilson, Mati; Krunks, Malle; Hiie, Jaan** Solar energy materials and solar cells 2017 / p.

211-216 : ill <https://doi.org/10.1016/j.solmat.2016.10.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)