

#### **Acoustic performance of an additive manufactured lattice structure**

**Auriemma, Fabio; Liu, Le** IOP conference series : materials science and engineering 2021 / art. 012002, 5 p.: ill  
<https://doi.org/10.1088/1757-899X/1140/1/012002>

#### **Acoustic study of multi-layered microperforated elements for fibreless noise control applications**

**Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri** IOP conference series : materials science and engineering 2021 / art. 012015, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012015>

#### **Airtightness of Estonian dwellings – median and base-values for heat loss estimation**

**Hallik, Jaanus; Kalamees, Targo; Pikas, Ergo** Journal of Physics: Conference Series 2023 / 9 p <https://doi.org/10.1088/1742-6596/2654/1/012063> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Alloying of TiC-FeCr cermet in manganese vapor**

**Kolnes, Märt; Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Viljus, Mart** IOP conference series : materials science and engineering 2021 / art. 012043 <https://doi.org/10.1088/1757-899X/1140/1/012043>

#### **An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization**

**Hunt, Andres; Chen, Zheng; Tan, K.; Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill  
<https://doi.org/10.1088/0964-1726/25/3/035016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An analogy between the spin-2 and superspin-3/2 equations of motion**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1985 / p. 2833-2847 [https://www.estonianscience.org/record=b2318274\\*est](https://www.estonianscience.org/record=b2318274*est)  
<https://iopscience.iop.org/article/10.1088/0305-4470/18/14/032/pdf>

#### **Analysis of the reciprocal wear testing of Aluminum AA1050 processed by a novel mechanical nanostructuring technique**

**Omranpour Shahreza, Babak; Kommel, Lembit; Sergejev, Fjodor; Ivanisenko, Yulia; Antonov, Maksim** IOP conference series : materials science and engineering 2021 / art. 012051, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012051>

#### **Annealing effect on CdS films : transition from glass to ITO**

**Maticiu, Natalia; Hiie, Jaan** IOP conference series : materials science and engineering 2013 / p. 1-4 : ill <https://doi.org/10.1088/1757-899X/49/1/012061> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **The ARROWS project : robotic technologies for underwater archaeology**

**Allotta, Benedetto; Costanzi, Riccardo; Ridolfi, Alessandro; Salvetti, Ovidio; Reggiannini, Marco; Kruusmaa, Maarja; Salumäe, Taavi; Lane, David M. Mike; Frost, Gordon; Tsiogkas, Nikolaos; Cocco, Michele** IOP conference series : materials science and engineering 2018 / art. 012088 <https://doi.org/10.1088/1757-899X/364/1/012088> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Assessment of moisture and mould of hempcrete and straw panels**

**Raamets, Jane; Lokko, Laura; Ruus, Aime; Kalamees, Targo; Muoni, Karin** Journal of physics : conference series 2021 / art. 012194, p. 1-3 <https://doi.org/10.1088/1742-6596/2069/1/012194> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review**

**Kamboj, Nikhil Kumar; Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A.** IOP conference series : materials science and engineering 2023 / art. 012022, 10 p. : ill <https://doi.org/10.1088/1757-899X/1296/1/012022>

#### **Broadband discrete-level excitations for improved extraction of information in bioimpedance measurements**

**Min, Mart; Paavle, Toivo** Physiological measurement 2014 / p. 997-1010 : ill <https://doi.org/10.1088/0967-3334/35/6/997> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Broad-band photoluminescence of donor-acceptor pairs in tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> microcrystals**

**Krustok, Jüri; Raadik, Taavi; Kaupmees, Reelika; Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Grossberg, Maarja** Journal of physics D: applied physics 2021 / art. 105102, 7 p. : ill <https://doi.org/10.1088/1361-6463/abce29> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Capillary condensation redistribution (CCR) test: measurement results of 5 materials and comparison to modelling**

**Klõšeiko, Paul; Valk, Thorny; Põldaru, Mattias; Kalamees, Targo** Journal of Physics: Conference Series 2023 / 8 p  
<https://doi.org/10.1088/1742-6596/2654/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Circularity concepts for offsite prefabricated energy renovation of apartment buildings**

**Kuusk, Kalle; Kullerkupp, Kristel; Pihelo, Peep; Ritzen, Michiel; Tisov, Ana; Kalamees, Targo** Journal of physics : conference series 2021 / art. 012074 <https://doi.org/10.1088/1742-6596/2069/1/012074> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Classification of the energy production potential of water lens solar concentrators using machine learning**

**Zarrinkafsh, Hamidreza; Eslamirad, Nasim; De Luca, Francesco** Journal of Physics: Conference Series 2021 / art. 012022, 6 p. : ill

**Collective responses of a large mackerel school depend on the size and speed of a robotic fish but not on tail motion**  
**Kruusmaa, Maarja**; Rieucan, Guillaume; Castillo Montoya, Jose Carlos; **Markna, Riho**; Handegard, Nils Olav *Bioinspiration & biomimetics* 2016 / p. 1-12 : ill <https://doi.org/10.1088/1748-3190/11/5/056020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative analysis of the qualitative characteristics of formaldehyde and acetaldehyde resins based on styrene-modified oil shale alkylresorcinols**

**Jurkeviciute, Ana**; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; **Blum, Kristina** *Materials research express* 2023 / art. 035304, 14 p. : ill <https://doi.org/10.1088/2053-1591/acc0e1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Concentrated solar power (CSP) for sustainable architecture to supply domestic hot water and heating loads of buildings**  
Zarrinkafsh, Hamidreza; **Eslamirad, Nasim**; **De Luca, Francesco** *Journal of physics : conference series* 2021 / art. 012110, p. 1-6 : ill <https://doi.org/10.1088/1742-6596/2042/1/012110> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Corrected accounting of electron-hole scattering in cross-term current equations for Si and SiC**

**Velmre, Enn**; **Udal, Andres** *Physica scripta* 1999 / p. 193-197 : ill <https://ui.adsabs.harvard.edu/abs/1999PhST...79..193V/abstract> <http://doi.org/10.1238/Physica.Topical.079a00193>

**Crest factor optimization of the multisine waveform for bioimpedance spectroscopy**

**Ojarand, Jaan**; **Min, Mart**; **Annus, Paul** *Physiological measurement* 2014 / p. 1019-1033 : ill <https://doi.org/10.1088/0967-3334/35/6/1019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Dependence of measured specific air leakage rate (qE50) on envelope pressure differences and measurement position: A case study in an apartment building in winter conditions**

**Klõšeiko, Paul**; **Arumägi, Endrik**; **Hallik, Jaanus**; **Kalamees, Targo** *Journal of Physics: Conference Series* 2021 / art. 012229, 3 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012229> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Desalination using clay and lime sacrificial plasters with additives on field stone wall and fired clay bricks**

Leiten, Kadri; Sirelpuu, Helari; **Kiviste, Mihkel** *Journal of Physics: Conference Series* 2021 / art. 012087 <https://doi.org/10.1088/1742-6596/2069/1/012087> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**The effect of temperature, humidity and mechanical properties on crack formation on external thin plasters of ETICS**

**Volkova, Kristina**; **Põldaru, Mattias**; **Ilomets, Simo**; **Kalamees, Targo**; **Talvik, Martin**; Heim, Dariusz *Journal of physics : conference series* 2021 / art. 012025, 8 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012025> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Electronics design and testing of the CMS Fast Beam Condition Monitor for HL-LHC**

**Shibin, Konstantin**; Auzinger, Georg; Bakhshiansohi, Hamed; Dabrowski, Anne; Dierlamm, Alexander; Dragicevic, Marko; Gholami, Asghar; Gomez, Gervasio; Guthoff, Moritz; Haranko, Mykita; Honma, Alan; **Jenihhin, Maksim** *Journal of physics : conference series* 2023 / p. 50-51 <https://doi.org/10.48550/arXiv.2410.14867>

**Elemental composition and structural characteristics of as-received TriTanium™ orthodontic archwire**

Ilievska, I.; Petrov, V.; Mihailov, V.; Karatodorov, S.; Andreeva, L.; Zaleski, A.; **Mikli, Valdek**; Gueorgieva, M.; Petrova, V. 20th International Summer School on Vacuum, Electron and Ion Technologies (VEIT 2017), 25-29 September 2017, Sozopol, Bulgaria 2018 / art. 012036, 5 p. : ill <https://doi.org/10.1088/1742-6596/992/1/012036> [Journal metrics Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Elemental composition and structural characteristics of Bio-active™ orthodontic archwire**

Stoyanova-Ivanova, Angelina K.; Mihailov, V.; Georgiev, Velizar; Georgieva, Mirela; Petrov, Valeri G.; Andreeva, Laura A.; Petrova, N.L.; **Mikli, Valdek** 23rd International Summer School on Vacuum, Electron and Ion Technologies 2023 : 18/09/2023-22/09/2023, Sozopol, Bulgaria 2024 / 5 p., art. 012029 <https://doi.org/10.1088/1742-6596/2710/1/012029> [Article at Scopus](#) [Conference proceedings at Scopus](#)

**Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film**

Rajanna, Pramod M.; Gilshteyn, Evgenia P.; Yagafarov, Timur; Alekseeva, Alena A.; Anisimov, Anton S.; Neumüller, Alex; Sergeev, Oleg; **Bereznev, Sergei**; **Maricheva, Jelena**; Nasibulin, Albert *Nanotechnology* 2018 / 10 p. : ill <https://doi.org/10.1088/1361-6528/aaa647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers**

Pukiene, Simona; Karaliunas, Mindaugas; Jasinskas, A.; **Udal, Andres** *Nanotechnology* 2019 / art. 455001, 11 p. : ill <https://doi.org/10.1088/1361-6528/ab36f3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Equations for a vector-bispinor**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1984 / p. 2535-2550 [https://www.estor.ee/record=b2318274\\*est](https://www.estor.ee/record=b2318274*est)  
<https://iopscience.iop.org/article/10.1088/0305-4470/17/12/024/pdf>

**Erratum: Multifractal analysis of high-temperature plasma irradiated tungsten surfaces (Surface Topography: Metrology and Properties (2021) 9 (035030) DOI: 10.1088/2051-672x/ac1dc3)**

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Surface topography : metrology and properties 2023 / art. 029501 <https://doi.org/10.1088/2051-672X/acc81c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Establishing best practices in photoplethysmography signal acquisition and processing**

Charlton, Peter H.; **Pilt, Kristjan**; Kyriacou, Panayiotis A. Physiological measurement 2022 / art. 050301, 6 p  
<https://doi.org/10.1088/1361-6579/ac6cc4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Experimental analysis of moisture uptake and dry-out in CLT end-grain exposed to free water**

**Kalbe, Kristo; Annuk, Alvar; Ruus, Aime; Kalamees, Targo** Journal of Physics: Conference Series 2021 / art. 012050, 8 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012050> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Experimental and numerical analysis of HPTE on mechanical properties of materials and strain distribution**

**Omranpour Shahreza, Babak**; Kulagin, Roman; Ivanisenko, Yulia; Sanchez, E. Garcia 7th International Conference on Nanomaterials by Severe Plastic Deformation 2–7 July 2017, Sydney, Australia 2017 / art. 012047, 6 p.: ill <https://doi.org/10.1088/1757-899X/194/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Experiments on Microclimatically adapt a courtyard to climate change**

Naboni, Emanuele; Siani, Rossella; Turrini, Marcello; Touloupaki, Elefteria; Gherri, Barbara; **De Luca, Francesco** IOP Conference Series: Earth and Environmental Science 2023 / art. 012032 <https://doi.org/10.1088/1755-1315/1196/1/012032> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**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, Päärn; 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](#)

**Extent of geotechnical site investigations for buildings in Estonia**

**Leetsaar, Lehar**; Korkiala-Tanttu, Leena; Jaaniso, Valdo; **Kurnitski, Jarek; Idnurm, Juhan** 14th Baltic Sea Region Geotechnical Conference : 18-19th of January 2021, Helsinki, Finland 2021 / art. 012001, 12 p. : ill <https://doi.org/10.1088/1755-1315/727/1/012001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Extraction of the index of refraction by embedding multiple small inclusions**

Alsaedi, Ahmed; Alzahrani, Faris; **Challa, Durga Prasad**; Kirane, Mokhtar; Sini, Mourad Inverse problems 2016 / art. 045004, p. 1-18 : ill <http://iopscience.iop.org/0266-5611/32/4/045004> <https://doi.org/10.1088/0266-5611/32/4/045004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fostering circular economy approach in extractive industry-related study programs – the CIRCEXTIN project**

Lutynski, M.; Murphy, M.; **Šogenov, Kazbulat; Šogenova, Alla**; Wolf, K.-H.; Soleymani Shishvan, M.; Ortega, M.F.; García-Martínez, M.J.; Mora, P.; Mazurek, M. IOP conference series : earth and environmental science 2023 / art. 012007, 6 p. : ill <https://doi.org/10.1088/1755-1315/1132/1/012007> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Fractional-order modeling and control of ionic polymer-metal composite actuator**

**Tepljakov, Aleksei**; Vunder, Veiko; **Petlenkov, Eduard**; Nakshatharan, S Sunjai; Punning, Andres; **Kaparin, Vadim; Belikov, Juri**; Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From near real-time urban data to an explainable city-scale model to help reduce the Urban Heat Island (UHI) effect**

**Eslamirad, Nasim; De Luca, Francesco; Ben Yahia, Sadok; Lylykangas, Kimmo Sakari** Journal of Physics: Conference Series 2023 / art. 092012, p. 1-6 : ill <https://doi.org/10.1088/1742-6596/2600/9/092012> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Growth of ZnO rods on FTO electrodes by spray pyrolysis**

**Dedova, Tatjana; Volobujeva, Olga; Krunks, Malle; Mikli, Valdek; Gromöko, Inga; Katerski, Atanas; Mere, Arvo** IOP conference series : materials science and engineering 2013 / [4] p. : ill <https://doi.org/10.1088/1757-899X/49/1/012001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Heat loss characteristics of typology-based apartment building external walls for a digital twin-based renovation strategy tool**

**Ilste, Elisa; Lomp, Siim; Pikas, Ergo; Arumägi, Endrik; Hallik, Jaanus; Öiger, Karl; Kisel, Einari; Liiv, Innar; Kalamees, Targo** Journal of Physics: Conference Series 2023 / 8 p <https://doi.org/10.1088/1742-6596/2654/1/012125> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Highly active Fe-N/C oxygen electrocatalysts based on silicon carbide derived carbon

Teppor, Patrick; Jäger, Rutha; Hints, J.; **Volobujeva, Olga**; Valk, Peeter; Koppel, Miriam; Lust, Enn Polymer Electrolyte Fuel Cells & Electrolyzers 20 (PEFC & E 20) 2020 / p. 607 - 615 <https://doi.org/10.1149/09809.0607ecst> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### Hygrothermal performance of a massive natural stone masonry wall insulated from the internal side with hemp concrete – field measurements in cold climate

Pau, Markus; **Kalamees, Targo**; **Kallavus, Urve** Journal of physics : conference series 2021 / art. 012068, 9 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012068> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### Hygrothermal performance of lime-based thermal insulation mortars: water absorption, hygroscopic sorption, and water vapour permeability

**Ruus, Aime**; **Kaeramaa, Ave-Ly**; Kirtsi, Karin; Mihkelsoo, Madis; **Kiviste, Mihkel**; **Raamets, Jane** Journal of Physics: Conference Series 2023 / 8 p. : ill <https://doi.org/10.1088/1742-6596/2654/1/012083> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Hygrothermal performance of prefabricated insulation elements for serial renovation of apartment buildings in a moderately continental German climate

**Pihelo, Peep**; **Kalamees, Targo** Journal of Physics: Conference Series 2023 / art. 012001 <https://doi.org/10.1088/1742-6596/2654/1/012001> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Improved extraction of information in bioimpedance measurements

**Min, Mart**; **Paavle, Toivo** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 78 : ill <https://doi.org/10.1088/1742-6596/434/1/012029> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### In-depth photoluminescence analysis of Cu<sub>2</sub>GeS<sub>3</sub> microcrystals under pulsed and continuous-wave excitation

**Krustok, Jüri**; **Kokla, Joel**; **Kaupmees, Reelika**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of Physics Energy 2025 <https://doi.org/10.1088/2515-7655/adc836>

### Influence of A-site modifications on the properties of La<sub>0.21</sub>Sr<sub>0.74-x</sub>Ca<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](#)

### The influence of high-energy ball milling and nanoadditives on the kinetics of heterogeneous reaction in Ni-Al system

Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Zakaryan, Marieta; Abovyan, L. S.; Kulak, M.; Khina, B. IOP conference series : materials science and engineering 2021 / art. 012052 <https://doi.org/10.1088/1757-899X/1140/1/012052>

### Influence of operation modes and fish behavior on fish passage through turbines

Stoltz, Ulli; Geiger, Franz; **Tuhtan, Jeffrey Andrew** IOP Conference Series: Earth and Environmental Science ; 774 2021 / art. 012125 <https://doi.org/10.1088/1755-1315/774/1/012125> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Influence of production on hemp concrete hygrothermal properties : sorption, water vapour permeability and water absorption

**Ruus, Aime**; **Koosapoeg, Tarmo**; Pau, Markus; **Kalamees, Targo**; **Pöldaru, Mattias** Journal of Physics : Conference Series 2021 / art. 012004, 9 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012004> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### Intersections of moving fractal sets

**Mandre, Indrek**; **Kalda, Jaan** EPL: a letters journal exploring the frontiers of physics 2013 / p. 10012-p1-p5 : ill <https://doi.org/10.1209/0295-5075/103/10012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Investigation of environmental factors on the resistance characteristic : study case of the designed patrol boat hull

Yusfianda, Ahmad Ramadhan; Prabowo, Aditya Rio; Do, Quang Thang; Adiputra, Ristiyanto; **Putranto, Teguh**; Bae, Dong-myung IOP Conference Series: Earth and Environmental Science ; 1278, 1 2023 / art. 012013 <https://doi.org/10.1088/1755-1315/1278/1/012013> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### Investigation of influence of conductivity on the polyaniline fiber mats, produced via electrospinning

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Abraitiene, Aušra; Baltušnikaite-Guzaitiene, Julija; **Krumme, Andres** Materials Research Express 2018 / art. 055308 <https://doi.org/10.1088/2053-1591/aac4ea> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Isothermal oxidation of SLM fabricated Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>-based composite

**Minasyan, Tatevik**; **Liu, Le**; Toyserkani, Ehsan; **Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012003, 8 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012003>



**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](#)

**Learning astronomy and mathematics from Apollo missions imagery**

**Pustõnski, Vladislav-Veniamin; Pugal, Siim Erik** Physics Education 2025 / art. 035036 <https://doi.org/10.1088/1361-6552/adc867>

**Long-term monitoring of water treatment technology designed for radium removal-removal efficiencies and NORM formation**

Hill, Liie; Suursoo, Siiri; Kiisk, Madis; Jantsikene, Alar; **Munter, Rein** Journal of radiological protection 2018 / 24 p. : ill <https://doi.org/10.1088/1361-6498/aa97f2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A luminescence study of Cu<sub>2</sub>ZnSnSe<sub>4</sub>/Mo/glass films and solar cells with near stoichiometric copper content**

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; **Krustok, Jüri** Journal of physics D : applied physics 2019 / art. 055502, 10 p. : ill <https://doi.org/10.1088/1361-6463/aaef3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Massless spin-5/2 wave equations**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1986 / p. 811-820 [https://www.estee.ee/record=b2318274\\*est](https://www.estee.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/19/5/034/pdf>

**Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections**

Must, Indrek; **Anton, Mart**; Viidalepp, Erki; Põldsalu, Inga; Punning, Andres; Aabloo, Alvo Smart Materials and Structures 2013 / art. 104015 <https://doi.org/10.1088/0964-1726/22/10/104015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Melikyan algebra is a deformation of a Poisson algebra**

Melikyan, H.; **Zusmanovich, Pasha** 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-5 <https://doi.org/10.1088/1742-6596/532/1/012019>

**A method for simplifying annual wind simulation for pedestrian comfort analysis in consideration of local climate**

**Kazak, Jelena; De Luca, Francesco** Journal of Physics : Conference Series 2025

**Microlensing of gravitational waves by dark matter structures**

Fairbairn, Malcolm; **Urrutia Perez, Juan; Vaskonen, Ville** Journal of cosmology and astroparticle physics 2023 / art. 007 <https://doi.org/10.1088/1475-7516/2023/07/007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modern Materials and Manufacturing (MMM 2021), 27th-29th April 2021, Tallinn, Estonia**

2021 <https://iopscience.iop.org/issue/1757-899X/1140/1>

**Modern robot integrated manufacturing cell according to the needs of Industry 4.0**

**Moor, Madis; Vaher, Kristo; Riives, Jüri**; Kangro, Tavo; **Otto, Tauno** IOP conference series : materials science and engineering 2021 / art. 012034, 5 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012034>

**Multifractal analysis of high-temperature plasma irradiated tungsten surfaces**

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Surface topography : metrology and properties 2021 / 13 p. : ill <https://doi.org/10.1088/2051-672X/ac1dc3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-layer cyber-physical low-level control solution for mobile robots**

**Pikner, Heiko; Karjust, Kristo** IOP conference series : materials science and engineering 2021 / art. 012048 <https://doi.org/10.1088/1757-899X/1140/1/012048>

**Muonium states in Cu<sub>2</sub>ZnSnS<sub>4</sub> solar cell material**

Alberto, Helena Vieira; Vilão, R.C.; Gil, J.M.; Duarte, J. Piroto; Viera, R.B.L.; Weidinger, Alois; Leitão, J.P.; Da Cunha, A.F.; **Timmo, Kristi; Looits, Mihkel** 13th International Conference on Muon Spin Rotation, Relaxation and Resonance (muSR2014), 1-6 June 2014. Grindelwald, Switzerland (C14-06-01.1) 2014 / 6 p. : ill <https://doi.org/10.1088/1742-6596/551/1/012045> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at Scopus](#)

**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](#)

### **New materials through a variety of sintering methods**

Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Lukasik, J.; Podsiadlo, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene**

**Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Yashicheva, Tamara;** Bondarev, Dmitrij Materials research express 2023 / art. 105301 <https://doi.org/10.1088/2053-1591/acfd12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Non-invasive method for the aortic blood pressure waveform estimation using the measured radial EBI**

**Krivoše, Andrei; Lamp, Jürgen; Min, Mart; Uuetoa, Tiina; Uuetoa, Hasso; Annus, Paul** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 121 : ill <https://doi.org/10.1088/1742-6596/434/1/012048> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Note on homological modeling of the electric circuits**

**Paal, Eugen; Umbleja, Märt** 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7 <https://doi.org/10.1088/1742-6596/532/1/012022> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Numerical analysis of the on-state of diode structures based on direct-gap semiconductors**

**Velme, Enn; Freidin, Boris; Udal, Andres** Physica scripta : an international journal for experimental and theoretical physics 1981 / p. 468-471 : ill [https://www.ester.ee/record=b2244094\\*est](https://www.ester.ee/record=b2244094*est) <https://iopscience.iop.org/article/10.1088/0031-8949/24/2/026/pdf>

### **A numerical sensitivity analysis of fluid-structure interaction simulations on slamming loads and responses**

**Hosseinzadeh, Saeed;** Topa, Ameen; **Tabri, Kristjan** IOP conference series : materials science and engineering 2023 / art. 012017, 9 p. : ill <https://doi.org/10.1088/1757-899X/1288/1/012017>

### **Numerical simulation and experimental verification of downstream fish migration in a bulb turbine**

Benigni, Helmut; Schneider, Josef; **Reckendorfer, Walter;** Schiffer, J.; **Tuhtan, Jeffrey Andrew;** Leithner, S.; Zenz, Gerald; Meusburger, P. 31st IAHR Symposium on Hydraulic Machinery and Systems 26/06/2022 - 01/07/2022 Trondheim, Norway. Vol. 1079 2022 / 10 p. : ill <https://doi.org/10.1088/1755-1315/1079/1/012101> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Numerical simulation and experimental verification of downstream fish migration in a Kaplan turbine**

Benigni, Helmut; Schneider, Josef; Reckendorfer, Walter; Jaberg, Helmut; Zenz, Gerald; **Tuhtan, Jeffrey Andrew** IOP Conference Series: Earth and Environmental Science ; 774 2021 / art. 012149 <https://doi.org/10.1088/1755-1315/774/1/012149> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon**

**Kaur, Katrin; Laanearu, Janek; Annus, Ivar** IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012128> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Numerical study on the effect of geometry on mechanical behavior of triply periodic minimal surfaces**

**Rezapourianghahfarokhi, Mansoureh; Kamboj, Nikhil Kumar; Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012038 <https://doi.org/10.1088/1757-899X/1140/1/012038>

### **Observation of band gap fluctuations and carrier localization in Cu<sub>2</sub>CdGeSe<sub>4</sub>**

**Krustok, Jüri; Raadik, Taavi; Kaupmees, Reelika; Grossberg, Maarja; Kauk-Kuusik, Marit; Timmo, Kristi; Mere, Arvo** Journal of physics D : applied physics 2019 / art. 285102 , 7 p. : ill <https://doi.org/10.1088/1361-6463/ab1afd> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On conformally covariant spin 3/2 and spin 2 equations**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1986 / p. 827-829 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/19/5/037/pdf>

### **On determinability of some classes of medial quasigroups by their endomorphisms**

**Leibak, Alar; Puusemp, Peeter** 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-9 <https://doi.org/10.1088/1742-6596/532/1/012014> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **On shallow water rogue wave formation in strongly inhomogeneous channels**

**Didenkulova, Irina;** Pelinovsky, Efim Journal of physics A : mathematical and theoretical 2016 / art. 194001, p. 1-11 : ill  
<https://doi.org/10.1088/1751-8113/49/19/194001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On site measurement and hygrothermal modelling of degraded ETICS facade with EPS and mineral wool fire breaks**  
**Talvik, Martin;** Klõšeiko, Paul; Kalamees, Targo; Liisma, Eneli; Ilomets, Simo Journal of Physics: Conference Series 2023 / 8 p  
<https://doi.org/10.1088/1742-6596/2654/1/012124> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**On the conditions for definiteness of energy and charge**  
**Loide, Rein-Karl;** Kõiv, Madis Journal of physics. A. Mathematical and general 1983 / p. 2353-2361  
[https://www.estar.ee/record=b2318274\\*est](https://www.estar.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/16/11/009/pdf>

**Operadic quantization as a tool for discrete geometry**  
**Paal, Eugen;** Virkepu, Jüri 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-9 <https://doi.org/10.1088/1742-6596/532/1/012023>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Optimisation of multisine waveform for bio-impedance spectroscopy**  
Ojarand, Jaan; **Annus, Paul;** Min, Mart XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 79 : ill  
<https://doi.org/10.1088/1742-6596/434/1/012030> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties**  
**Küünal, Siim;** Visnapuu, Meeri; **Volobujeva, Olga;** Soares Rosario, Maria; **Rauwel, Protima;** **Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 <https://doi.org/10.1088/1757-899X/613/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Performance of Al2O3-cBN materials and the perspective of using hyperspectral imaging during cutting tests**  
**Antonov, Maksim;** **Zahavi, Ali;** **Kumar, Rahul,** 1993-; **Tamre, Mart;** Klimczyk, Piotr IOP conference series : materials science and engineering 2021 / art. 012029, 5 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012029>

**Phase and structural investigations of the content of natural radionuclides in rock and inorganic building materials**  
Serafimova, Ekaterina; Petkova, Vilma; **Kaljuvee, Tiit** IOP conference series : materials science and engineering 2023 / 8 p. : ill  
<https://doi.org/10.1088/1757-899X/1264/1/012003>

**A photoluminescence study of CuInSe2 single crystals ion implanted with 5 keV hydrogen**  
Yakushev, Michael Vasilievich; **Krustok, Jüri;** **Grossberg-Kuusk, Maarja;** Volkov, Vladimir A.; Mudryi, Alexander V.; Martin, Robert W. Journal of Physics D: Applied Physics 2016 / art. 105108 <https://doi.org/10.1088/0022-3727/49/10/105108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoplethysmographic signal waveform index for detection of increased arterial stiffness**  
Pilt, Kristjan; **Ferenets, Rain;** Meigas, Kalju; **Temitski, Kristina;** **Viigimaa, Margus** Physiological measurement 2014 / p. 2027-2036 : ill <https://doi.org/10.1088/0967-3334/35/10/2027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Positive-energy D-bar method for acoustic tomography : a computational study**  
de Hoop, M. V.; Lassas, Matti; Santacesaria, M.; Siltanen, Samuli; **Tamminen, Janne Pertti Olavi** Inverse problems 2016 / art. 025003, p. 1-35 : ill <https://doi.org/10.1088/0266-5611/32/2/025003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Preface**  
Lyapin, Alexandr; Murgul, Vera; Beskopylny, A.N.; Porsheyana, V.M.; Komakhidze, M.G.; Sukhinov, A.I.; Chetverushkin, B.N.; Avetisyan, A.I.; Kalyaev, I.A.; **Ubar, Raimund-Johannes** Journal of Physics: Conference Series 2021 / art. 011001, 1 p  
<https://doi.org/10.1088/1742-6596/2131/1/011001> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Probing supermassive black hole seed scenarios with gravitational-wave measurements**  
Ellis, John; Fairbairn, Malcolm; **Urrutia Perez, Juan;** Vaskonen, Ville The astrophysical journal 2024 / 7 p <https://doi.org/10.3847/1538-4357/ad27d5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Quality of photovoltaic modules, experimental evaluation and mathematical modelling**  
**Tšukrejev, Pavel;** **Karjust, Kristo;** **Majak, Jüri** IOP conference series : materials science and engineering 2021 / art. 012044, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012044>

**Quantification of building envelope heat losses on a district level for comparative renovation strategies assessment**  
**Arumägi, Endrik;** **Hallik, Jaanus;** **Pikas, Ergo;** **Kalamees, Targo;** **Liiv, Innar;** **Kisel, Einari** Journal of Physics: Conference Series 2023 / 10 p <https://doi.org/10.1088/1742-6596/2654/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Quartic polynomial approximation for fluctuations of separation of trajectories in chaos and correlation dimension**  
Fouxon, Itzhak; Ainsaar, Siim; Kalda, Jaan Journal of Statistical Mechanics : Theory and Experiment 2019 / art. 083211, 26 p  
<https://doi.org/10.1088/1742-5468/ab3458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiative recombination model for BiSeI microcrystals : unveiling deep defects through photoluminescence**  
Dolcet Sadurni, Marc; Krustok, Jüri; Timmo, Kristi; Mikli, Valdek; Kondrotas, Rokas; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Journal of Physics Energy 2024 / art. 045004 <https://doi.org/10.1088/2515-7655/ad8377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Range sensor overview and blind-zone reduction of autonomous vehicle shuttles**  
Gu, Junyi; Chhetri, Tek Raj IOP conference series : materials science and engineering 2021 / art. 012006, 7 p. : ill  
<https://doi.org/10.1088/1757-899X/1140/1/012006>

**Recent regime of persistent hypoxia in the Baltic Sea**  
Kõuts, Mariliis; Maljutenko, Ilja; Elken, Jüri; Liu, Ye; Raudsepp, Urmas Environmental Research Communications 2021 / 1-17 p  
<https://doi.org/10.1088/2515-7620/ac0cc4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reconstruction of an order of derivative and a source term in a fractional diffusion equation from final measurements**  
Janno, Jaan; Kinash, Nataliia Inverse problems 2018 / art. 025007, 19 p. : ill <https://doi.org/10.1088/1361-6420/aaa0f0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells**  
Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Danilson, Mati; Mikli, Valdek; Josepson, Raavo; Grossberg, Maarja JPhys Energy 2022 / art. 024007 <https://doi.org/10.1088/2515-7655/ac618d> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Risk assessment and calibration of risk matrices aspects**  
Sivitski, Alina; Põdra, Priit IOP conference series : materials science and engineering 2021 / art. 012040,  
<https://doi.org/10.1088/1757-899X/1140/1/012040>

**The role of building morphology on pedestrian level comfort in Northern climate**  
Eslamirad, Nasim; De Luca, Francesco; Lylykangas, Kimmo Sakari Journal of physics : conference series 2021 / art. 012053, p. 1-6 : ill <https://doi.org/10.1088/1742-6596/2042/1/012053> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Safety assessment and simulation of autonomous vehicle in urban environments**  
Malayjerdi, Mohsen; Baykara, Baris Cem; Sell, Raivo; Malayjerdi, Ehsan IOP conference series : materials science and engineering 2021 / art. 012032, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012032>

**Self-driving shuttle bus use case in city of Tallinn**  
Kalda, Krister; Sell, Raivo; Soe, Ralf-Martin IOP conference series : materials science and engineering 2021 / art. 012047, 6 p. : ill  
<https://doi.org/10.1088/1757-899X/1140/1/012047>

**Serious game for modelling neighbourhood energy supply scenarios**  
Prilenska, Viktorija IOP conference series : earth and environmental science 2020 / art. 012091, 12 p. : ill  
<https://doi.org/10.1088/1755-1315/410/1/012091> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Simulation based feasibility analysis of autonomously movable robot arm**  
Vaher, Kristo; Mahmood, Kashif; Otto, Tauno; Riives, Jüri IOP conference series : materials science and engineering 2021 / art. 012055, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012055>

**Simulation based Performance Analysis of Production Intralogistics**  
Golova, Jelena; Mahmood, Kashif; Raamets, Tõnis IOP Conference Series : Materials Science and Engineering 2021 / art. 012026, 6p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012026>

**Single mass equations for an antisymmetric tensor-bispinor**  
Loide, Rein-Karl; Kõiv, Madis; Saar, Rein Journal of physics. A. Mathematical and general 1983 / p. 463-467  
[https://www.estee.ee/record=b2318274\\*est](https://www.estee.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/16/3/006/pdf>

**The Solar Block Generator : an additive parametric method for solar driven urban block design**  
Natanian, Jonathan; De Luca, Francesco; Wortmann, Thomas; Capeluto, Guedi Journal of Physics: Conference Series 2021 / art. 012049 <https://doi.org/10.1088/1742-6596/2042/1/012049> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Stability, reliability, upscaling and possible technological applications of kesterite solar cells**  
Larramona, G.; Chone, C.; Meissner, Dieter; Ernits, Kaia Journal of Physics Energy 2020 / art. 024009, 14 p  
<https://doi.org/10.1088/2515-7655/ab7cee> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Study of point defects in wide- bandgap Cu<sub>2</sub>CdGeS<sub>4</sub> microcrystals by temperature and laser power dependent photoluminescence spectroscopy**

**Krustok, Jüri; Raadik, Taavi; Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Oueslati, Souhaib; Grossberg, Maarja** Journal of physics D : applied physics 2020 / 10 p. : ill <https://doi.org/10.1088/1361-6463/ab83c1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Supersymmetry : superfield equations of motion**

**Loide, Rein-Karl; Suurvarik, Pavel** 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7 <https://doi.org/10.1088/1742-6596/532/1/012016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Supply chain digitalization framework for service/product satisfaction**

**Murumaa, Lea; Ševtšenko, Eduard; Karaulova, Tatjana; Mahmood, Kashif; Popell, Janek** IOP conference series : materials science and engineering 2021 / art. 012041, p. 1–12 <https://doi.org/10.1088/1757-899x/1140/1/012041>

### **ZnO nanowires for solar cells : a comprehensive review**

Consonni, Vincent; Briscoe, Joe; **Kärber, Erki** Nanotechnology 2019 / art. 362001, 41 p : ill <https://doi.org/10.1088/1361-6528/ab1f2e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **ZnO thin films co-doped with III-valence metals and halogens: theory and experiment**

Colibaba, G. V.; Rusnac, D.; Fedorov, V.; **Koltsov, Mykhailo; Volobujeva, Olga**; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Physica scripta 2024 / art. 105967 <https://doi.org/10.1088/1402-4896/ad74ab> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **ZrC-TiC-MoSi<sub>2</sub> ceramic composite by spark plasma sintering**

**Hussainova, Irina; Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya** Journal of Physics: Conference Series 2020 / art. 012028 <https://doi.org/10.1088/1742-6596/1527/1/012028> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Temperature dependent electrical characterization of thin film Cu<sub>2</sub>ZnSnSe<sub>4</sub> solar cells**

**Kask, Erkki; Krustok, Jüri**; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, E.M. Journal of Physics D: Applied Physics 2016 / art. 085101 <https://doi.org/10.1088/0022-3727/49/8/085101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of UV-C radiation on the durability of 3D printed plastic parts in disinfectant devices**

**Tähemaa, Toivo; Sarkans, Martinš; Sarand, Inga; Pohlak, Meelis; Niidas, Aadu; Saarna, Mart** IOP conference series : materials science and engineering 2021 / art. 012046, 6 p. : ill <https://doi.org/10.1088/1757-899x/1140/1/012046>

### **Thermal investigation on high temperature treatment of cement mortars with high content of marble powder**

Stoyanov, V.; Petkova, V.; Kostova, B.; **Kaljuvee, Tiit** IOP conference series : materials science and engineering 2023 / p. 012005-012014 <https://doi.org/10.1088/1757-899x/1276/1/012005>

### **Thermal performance of ETICS, energy activated with PCM and PV**

**Talvik, Martin; Ilomets, Simo; Kalamees, Targo; Klõšeiko, Paul**; Heim, Dariusz; Wieprzkowicz, Anna; Knera, Dominika Journal of physics : conference series 2021 / art. 012116, p. 1-8 : ill <https://doi.org/10.1088/1742-6596/2069/1/012116> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Thermal performance of two different PV-ETICS integration solutions in a real environment**

Heim, Dariusz; Knera, Dominika; Krempski-Smejda, M.; Wieprzkowicz, Anna; **Kalamees, Targo** Journal of Physics: Conference Series 2023 / 8 p <https://doi.org/10.1088/1742-6596/2654/1/012098> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Thermal performance of wedge pile slab foundation without frost protection insulation and highly insulated slab on ground floor – first year measurements**

**Lomp, Siim; Kalamees, Targo; Hallik, Jaanus**; Needo, Roomelt Journal of Physics: Conference Series 2023 / art. 012110 <https://doi.org/10.1088/1742-6596/2654/1/012110> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Thermal properties of calcium-aluminate based materials**

**Kulu, Priit; Goljandin, Dmitri; Traksmäa, Rainer; Kaljuvee, Tiit; Gregor, Andre** IOP conference series : materials science and engineering 2021 / art. 012028, 7 p. : ill <https://doi.org/10.1088/1757-899x/1140/1/012028>

### **3Quantum : Algebra Geometry Information**

**Paal, Eugen**; Kuusk, Piret; Stolin, Alexander 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7 <https://doi.org/10.1088/1742-6596/532/1/011001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to**

**memory of Professor Jean-Louis Loday (1936-2012)**

2014

**Towards an artificial intelligence model for the automated prediction of building value**

**Rubinstein, Simon; Witt, Emllyn David Qivitoq;** Ullah, Kaleem IOP Conference Series: Earth and Environmental Science ; 1389, 1 2024 / art. 012015 <https://doi.org/10.1088/1755-1315/1389/1/012015> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Unified interpretation of scalegenesis in conformally extended standard models : a dynamical origin of Higgs portal**

Ishida, Hiroyuki; Matsuzaki, Shinya; **Ouyang, Ruiwen** Chinese Physics C 2020 / art. 111002, 7 p. : ill <https://doi.org/10.1088/1674-1137/abb07f>

**The use of an internal airtight membrane in CLT external wall in terms of hygrothermal performance**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo** Journal of physics : conference series 2021 / p. 2-4 : ill <https://doi.org/10.1088/1742-6596/2069/1/012208> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Waves in microstructured solids and negative group velocity**

**Peets, Tanel; Kartofelev, Dmitri; Tamm, Kert; Engelbrecht, Jüri** EPL: a letters journal exploring the frontiers of physics 2013 / p. 16001-p1-p6 : ill <https://doi.org/10.1209/0295-5075/103/16001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ways to study changes in pedestrians' behaviour in the artificially lit urban outdoor environment**

Ingi, Dmitrii; Bhusal, Pramod; Pinho, Paulo; Kytä, Marketta; **Parker, Martin** IOP Conference Series: Earth and Environmental Science ; 1099 2022 / art. 012007 <https://doi.org/10.1088/1755-1315/1099/1/012007>