

Advanced oxidation of dexamethasone by activated peroxy compounds in water matrices : A comparative study
Onga, Liina; Dulova, Niina; Kattel-Salusoo, Eneliis Water 2025 / art. 2303 <http://doi.org/10.3390/w17152303> <http://www.mdpi.com/2073-4441/17/15/2303>

Assessment of fire-retardant treatments and their impact on the fire performance and bonding properties of aspen and silver birch veneers

Alao, Percy Festus; Olusoji, Adekunle; Kallakas, Heikko; Just, Alar; Kers, Jaan European journal of wood and wood products 2025 / art. 66 <https://doi.org/10.1007/s00107-025-02223-1>

Atomic structure, dynamics, changes in chemical bonding and semiconductor-metal transition in Sb₂Se₃ : A remarkable material for quantum networks and energy applications

Kassem, Mohammad; Benmore, Chris J.; Tverjanovich, Andrey; Bokova, Maria; Khomenko, Maxim; Usuki, Takeshi; Sokolov, Anton; Fontanari, Daniele; **Bereznev, Sergei; Ohara, Koji** ACS applied materials & interfaces 2025 / p. 17075-17095
<https://doi.org/10.1021/acsami.5c00008>

Deposition and characterization of zinc-tin oxide thin films with varying material compositions

Spasova, Stanka; Dulev, Vladimir; Benkovsky, Alexander; Palankovski, Vassil; Radeva, Ekaterina; Stoykov, Rumen; Nenova, Zoya; Dikov, Hristosko; **Katerski, Atanas; Volobujeva, Olga** Coatings 2025 / art. 225 <https://doi.org/10.3390/coatings15020225>

Dissolution kinetics of rare earth elements from Estonian phosphate rock using hydrochloric acid treatment

Azeez, Ruhany S.; Tönsuaadu, Kaia; Einard, Marve; Kaljuvee, Tiit; Trikkel, Andres Minerals engineering 2025 / art. 109641
<https://doi.org/10.1016/j.mineng.2025.109641> <https://www.sciencedirect.com/science/article/pii/S0892687525004698>

Effect of Annealing in Air on the Structural and Optical Properties and Efficiency Improvement of TiO₂/Cu_xO Solar Cells Obtained via Direct-Current Reactive Magnetron Sputtering

Wisz, Grzegorz; **Sibinski, Maciej; Labuz, Miroslaw; Potera, Piotr; Ploch, Dariusz; Bester, Mariusz; Yavorskyi, Rostyslav** Materials 2025 / art. 888 <https://doi.org/10.3390/ma18040888>

Electronic structure and defect states in bismuth and antimony sulphides identified by energy-resolved electrochemical impedance spectroscopy

Miliaieva, D.; Nadaždy, V.; **Koltsov, M. A.; Lopez, C.; Saeeyekta, H.; Kulíček, J.; Cazorla, C.; Saucedo, E.; Grzibovskis, Raitis; Vembriš, Aivars; Krunks, Malle; Spalatu, Nicolae** Journal of Physics Energy 2025 / art. 035012 <https://doi.org/10.1088/2515-7655/add59f>

Enhancement of residential PV energy storage system by supercapacitor battery – high spatial resolution data analysis
Rogowski, Szymon; **Hasan, Sayeed; Chub, Andrii; Sibinski, Maciej** Proceedings of the Estonian Academy of Sciences 2025 / p. 269-280 <https://doi.org/10.3176/proc.2025.2S.01>

In-depth photoluminescence analysis of Cu₂GeS₃ 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>

Oxidation of pharmaceuticals in urine by pulsed corona discharge

Petrotšenko, Irina; Dulova, Niina; **Preis, Sergei** EAAOP-7 : The 7th International Conference on Environmental Applications of Advanced Oxidation Processes 2025 : Programme Booklet 2025 / p. 398-399 <https://www.eaaop7.it/>

Producing pyrite based solar panels for the future lunar habitat

Kristmann, Katriin; Raadik, Taavi; **Heemskerk, Marc Vincent; Woods, Arthur; Vogel, Andreas; Collins, Patrick; Gasperovics, Dimitrijis; Makaya, Advenit** IAF Space Power Symposium : held at the 75th International Astronautical Congress (IAC 2024) : Milan, Italy, 14-18 October 2024 2024 / p. 312 - 317 <https://doi.org/10.52202/078370-0035> Conference proceedings at Scopus Article at Scopus

The Promise of Operational Stability in Pnictogen-Based Perovskite-Inspired Solar Cells

Lamminen, Noora; Karlsson, Joshua; Kumar, Ramesh; Viswanath, N. S. M.; Lal, Snigdha; Fasulo, Francesca; Righetto, Marcello; Krishnaiah, Mokurala; **Katerski, Atanas; Oja Acik, Ilona** EES Solar 2025 <https://doi.org/10.1039/D5EL00029G>
<https://pubs.rsc.org/en/content/articlepdf/2025/el/d5el00029g>