

### **The band structure of CuInTe<sub>2</sub> studied by optical reflectivity**

Yakushev, Michael V.; Mudrov, Andrej; **Kärber, Erki** Applied physics letters 2019 / art. 062103, 4 p. : ill  
<https://doi.org/10.1063/1.5079971> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The breaking of symmetry leads to chirality in cucurbituril-type hosts**

Aav, Riina; Mishra, Kamini Atindrakumar Symmetry 2018 / 26 p. : ill <https://doi.org/10.3390/sym10040098> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Carrier collection losses in interface passivated amorphous silicon thin-film solar cells**

Neumüller, A.; **Bereznev, Sergei**; Ewert, M.; **Volobujeva, Olga** Applied physics letters 2016 / p. 043903-1 - 043903-4 : ill  
<https://doi.org/10.1063/1.4959995> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chiral auxiliaries and chirogenesis ii**

Symmetry 2021 / art. 1157 <https://doi.org/10.3390/sym13071157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

### **Chiral heterocycle-based receptors for enantioselective recognition**

Khose, Vaibhav N.; John, Marina E.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Symmetry 2018 / 75 p : ill  
<https://doi.org/10.3390/sym10020034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Color center fluorescence and spin manipulation in single crystal, pyramidal diamond tips**

Nelz, Richard; Fuchs, Philipp; **Podgurski, Vitali** Applied physics letters 2016 / p. 193105-1 - 193105-4 : ill  
<https://doi.org/10.1063/1.4967189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Constitutive modeling with single and dual internal variables**

**Berezovski, Arkadi** Entropy 2023 / art. 721, 26 p <https://doi.org/10.3390/e25050721> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **Discontinuity-driven mesh alignment for evolving discontinuities in elastic solids**

Berezovski, Mihail; **Berezovski, Arkadi** Journal of computational physics 2020 / art. 109542, 21 p  
<https://doi.org/10.1016/j.jcp.2020.109542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enantioselective Catalytic Synthesis of N-alkylated Indoles**

**Trubitsin, Dmitri**; **Kanger, Tõnis** Symmetry 2020 / art. 1184 ; 30 p.: ill <https://doi.org/10.3390/sym12071184> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ensemble approach for detection of depression using EEG features**

Avots, Egils; Jermakovs, Klavs; **Bachmann, Maie**; **Päeske, Laura**; Ozcinar, Cagri; Anbarjafari, Gholamreza Entropy 2022 / art. 211  
<https://doi.org/10.3390/e24020211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extended defects in ZnO : efficient sinks for point defects**

Azarov, Alexander; **Rauwel, Protima**; Hallen, Anders; Monakhov, Edouard; Svensson, Bengt G. Applied physics letters 2017 / p. 022103-1 - 022103-5 : ill <https://doi.org/10.1063/1.4973463> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying**

**Mu, Yongkun**; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 <https://doi.org/10.3390/e22070740> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Helicene-based chiral auxiliaries and chirogenesis**

**Hasan, Mohammed**; **Borovkov, Victor** Symmetry 2018 / 48 p. : ill <https://doi.org/10.3390/sym10010010> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Highly diastereoselective chelation-controlled 1,3-anti-allylation of (S)-3-(Methoxymethyl)hexanal enabled by hydrate of scandium triflate**

**Masiuk, Uladzimir**; Mineyeva, Iryna; **Kananovich, Dzmitry** Symmetry 2021 / art. 470, 17 p <https://doi.org/10.3390/sym13030470> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The influence of synthesis parameters and thermal treatment on the optical and structural properties of zinc oxide-based nanomaterials**

Paltusheva, Zhaniya; Kedruk, Yevgeniya; Gritsenko, Lesya; Tulegenova, Madina; **Sörtski, Vitali**; Abdullin, Khabibulla Physical sciences and technology 2024 / Lk. 49-57 <https://doi.org/10.26577/phst2024v11i1a6> [Journal metrics at Journal](#) [Article at Scopus](#)

### **Influence of the proton irradiation temperature on the characteristics of high-power high-voltage silicon carbide schottky diodes**

Kozlovski, Vitali V.; **Korolkov, Oleg**; Davydovskaya, Klavdia S.; Lebedev, Alexander A.; Levinshtein, Michael E.; **Sleptšuk, Natalja**; Strel'Chuk, Anatolii M.; **Toompuu, Jana** Technical Physics Letter 2020 / p. 287 - 289 <https://doi.org/10.1134/S1063785020030244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Insights into TiO<sub>2</sub> thin film photodegradation from Kelvin Probe AFM maps**

Olukan, Tuza; **Sydorenko, Jekaterina**; **Katerski, Atanas**; Al Mahri, Mariam; Lai, Chia-Yun; Al-Hagri, Abdulrahman; Santos, Sergio; **Chiesa, Matteo** Applied physics letters 2022 / art. 031901 <https://doi.org/10.1063/5.0098788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigation of the solar cell materials Cu(In,Ga)Se<sub>2</sub> and Cu<sub>2</sub>ZnSnS<sub>4</sub> with muon spin spectroscopy and density-functional calculations**

Vilao, Rui C.; Marinopoulos, Apostolos G.; dos Santos, Diego Garcia; Alberto, Helena Vieira; Gil, Joao Campos; Mengyan, Patrick W.; **Kauk-Kuusik, Marit**; Lord, James; Weidinger, Alois Journal of applied physics 2024 / art. 055704 <https://doi.org/10.1063/5.0205837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modelling of consumption shares for small wind energy prosumers**

Annuk, Andres; Ya'ici, Wahiba; **Blinov, Andrei**; Märss, Maido; Trashchenkov, Sergei; Miidla, Peep Symmetry 2021 / art. 647 <https://doi.org/10.3390/sym13040647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Observation of photoluminescence edge emission in CuSbSe<sub>2</sub> absorber material for photovoltaic applications**

**Penežko, Aleksei**; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Grossberg, Maarja** Applied physics letters 2019 / art. 092101, 4 p. : ill <https://doi.org/10.1063/1.5114893> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the extraordinary strength of Prince Rupert's drops**

**Aben, Hillar**; **Anton, Johan**; **Õis, Marella**; Viswanathan, K.; Chandrasekar, S.; Chaudhri, M. M. Applied physics letters 2016 / p. 231903-1 - 231903-4 : ill <https://doi.org/10.1063/1.4971339> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optical study of local strain related disordering in CVD-grown MoSe<sub>2</sub> monolayers**

**Krustok, Jüri**; **Raadik, Taavi**; Jaaniso, Raivo; Kiisk, Valter Applied physics letters 2016 / p. 253106-1 - 253106-5 : ill <https://doi.org/10.1063/1.4972782> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Propagation of bankruptcy risk over scale-free economic networks**

Andria, Joseph; di Tollo, Giacomo; **Kalda, Jaan** Entropy 2022 / art. 1713 <https://doi.org/10.3390/e24121713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Regulation of electron bunch arrival time for a continuous-wave linac : exploring the application of the H<sub>2</sub> mixed-sensitivity problem**

**Maalberg, Andrei**; Kuntzsch, Michael; Zenker, Klaus; **Petlenkov, Eduard** Physical Review Accelerators and Beams 2023 / art. 072801, 13 p. : ill <https://doi.org/10.1103/PhysRevAccelBeams.26.072801> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reheating, thermalization and non-thermal gravitino production in MSSM inflation**

**Ferrantelli, Andrea** European Physical Journal C 2017 / art. 716, 14 p. : ill <https://doi.org/10.1140/epjc/s10052-017-5269-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Relation between self-organization and wear mechanisms of diamond films**

**Podgurski, Vitali**; **Bogatov, Andrei**; **Yashin, Maxim** Entropy 2018 / art. 279, 16 p. : ill <https://doi.org/10.3390/e20040279> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Rogue waves in the basin of intermediate depth and the possibility of their formation due to the modulational instability**

**Didenkulova, Irina**; **Nikolkina, Irina**; Pelinovsky, Efim JETP letters 2013 / p. 194-198 : ill <https://doi.org/10.1134/S0021364013040024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Soliton trains in dispersive media**

**Engelbrecht, Jüri**; **Peets, Tanel**; **Tamm, Kert** Low temperature physics Fizika nizkikh temperatur 2018 / p. 887-892 <https://doi.org/10.1063/1.5041436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Structural properties of ZnO nanopowders synthesized by thermal decomposition**

Kedruk, Y. Y.; Paltusheva, Z. U.; Gritsenko, L. V.; **Sörtski, Vitali** Physical sciences and technology 2023 / p. 80-86 <https://doi.org/10.26577/phst.2023.v10.i2.010> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Supramolecular Chirogenesis in bis-porphyrin: crystallographic structure and CD spectra for a complex with a chiral**

**guanidine derivative**

**Osadchuk, Irina; Konrad, Nele;** Truong, Khai-Nghi; Rissanen, Kari; Clot, Eric; **Aav, Riina; Kananovich, Dzmitry; Borovkov, Victor** Symmetry 2021 / 14 p. : ill <https://doi.org/10.3390/sym13020275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Temperature dependent photorefectance study of Cu<sub>2</sub>SnS<sub>3</sub> thin films produced by pulsed laser deposition**

**Raadik, Taavi; Grossberg, Maarja; Krustok, Jüri; Kauk-Kuusik, Marit** Applied physics letters 2017 / p. 261105-1 - 261105-4 : ill <https://doi.org/10.1063/1.4990657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transition from self-organized criticality into self-organization during sliding Si<sub>3</sub>N<sub>4</sub> balls against nanocrystalline diamond films**

**Bogatov, Andrei; Podgurski, Vitali; Vagiström, Heinar; Yashin, Maxim; Shaikh, Asad Alamgir; Viljus, Mart;** Menezes, Pradeep; Gershman, Iosif Entropy 2019 / art. 1055 ; 12 p <https://doi.org/10.3390/e21111055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Tunneling-enhanced interface recombination and current loss curves in kesterite solar cells**

**Krustok, Jüri; Timmo, Kristi; Kauk-Kuusik, Marit; Grossberg-Kuusk, Maarja** Applied physics letters 2023 / art. 242102 <https://doi.org/10.1063/5.0175082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)