

### Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures

Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341

<https://doi.org/10.1002/adem.202200341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Annealing of frozen-in defects in ZnO

**Nirk, Tiit; Lott, Kalju;** Seeman, Viktor; **Türn, Leo; Viljus, Mart; Öpik, Andres** Physica status solidi (c) 2016 / p. 590-593 : ill

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### Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives

**Kimm, Mariliis; Järving, Ivar; Ošeka, Maksim; Kanger, Tõnis** European journal of organic chemistry 2021 / p. 3113-3120 : ill

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### Chemical purity of chemically sprayed thin films

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### Chirogenesis in Zinc porphyrins : theoretical evaluation of electronic transitions, controlling structural factors and axial ligation

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### Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions

**Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit;**

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### Compensation of the baseline temperature fluctuations for autonomous CE-C4D instrument working in harsh environments

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### Complex defects in ZnSe-based phosphors

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### Control of p-type conductivity in CdTe by CdCl<sub>2</sub> vapor phase treatment

**Hiie, Jaan; Valdna, Vello** Proc. Euromat '99. Vol. 13 2000 / p. 261-266

### Digital microfluidics platform for interfacing solid-liquid extraction column with portable capillary electropherograph for analysis of soil amino acids

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

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### Effect of ultrasonic treatment on the defect structure of the Si-SiO<sub>2</sub> system

**Kropman, Daniel;** Seeman, Viktor; Dolgov, Sergei; Medvids, Arturs Physica Status Solidi (C) Current Topics in Solid State Physics

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### Electrochemical characterisation of Co@Co(OH)<sub>2</sub> core-shell nanoparticles and their aggregation in solution

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### Electrospun triboelectric textiles utilizing cellulose acetate

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### Experimental studies of ZnS-based phosphors

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### Fabrication, control and properties of nanocrystalline copper

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Gruselle, Michel; Tõnsuaadu, Kaia; Gredin, Patrick; Len, Christophe Design and applications of hydroxyapatite-based catalysts 2022 / chapter 10 <https://doi.org/10.1002/9783527830190.ch10>

### Ligand-tailored divergence of copper-catalyzed aerobic oxidation of cyclopropanols. Application to the practical synthesis of $\beta$ -aminoketones and $\beta$ -enaminones

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### Mechanochemical nucleophilic substitution of alcohols via isouronium intermediates

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### Mechanochemistry-amended Barbier reaction as an expedient alternative to Grignard synthesis

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### Multiscale investigation of sodium-ion battery anodes: analytical techniques and applications

Schäfer, David; Hankins, Kie; Allion, Michelle; Krewer, Ulrike; Karcher, Franziska; Derr, Laurin; Schuster, Rolf; Maibach, Julia; Mück, Stefan; Kramer, Dominik; Samoson, Ago; Witter, Raiker Advanced energy materials 2024 / art. 2302830, 37 p  
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### Novel lipophilic fluorophores with highly acidity-dependent two-photon response

Rammo, Matt; Trummal, Aleksander; Uudsemaa, Merle; Pahapill, Jüri; Petritsenko, Katrin; Sildoja, Meelis-Mait; Stark, Charles William; Selberg, Sigrid; Leito, Ivo; Palmi, Kristi; Adamson, Jasper; Rebane, Aleksander Chemistry : a European journal 2022 / p. e202103707 <https://doi.org/10.1002/chem.202103707>

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### A photochemical organocatalytic strategy for the $\alpha$ -alkylation of ketones by using radicals

Spinnato, Davide; Schweitzer-Chaput, Bertrand; Goti, Giulio; Ošek, Maksim; Melchiorre, Paolo Angewandte Chemie international Edition 2020 / p. 9485 - 9490 <https://doi.org/10.1002/anie.201915814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Photoelectric and photoluminescence properties of CdTe-GaTe composite

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### Polypyrrole electrodeposition on inorganic semiconductors CuInSe<sub>2</sub> and CuInS<sub>2</sub> for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; Kois, Julia; Mellikov, Enn; Öpik, Andres Electronic Phenomena in Organic Solids : Prague, Czech Republic, July 14-18, 2002 2004 / p. 287-292 : ill

### Ring-opening coupling reaction of cyclopropanols with electrophilic alkenes enabled by decatungstate as photoredox catalyst

Krech, Anastasiya; Yakimchyk, Viktoriya; Jarg, Tatsiana; Kananovich, Dzmitry; Ošek, Maksim Advanced synthesis & catalysis 2024 / p. 91-100 <https://doi.org/10.1002/adsc.202300939> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Shortfall of B3LYP in reproducing NMR JCH couplings in some isomeric epoxy structures with strong stereoelectronic effects : a benchmark study on DFT functionals

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### **Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction**

Liivand, Kerli; Kazemi, Maryam; **Walke, Peter; Mikli, Valdek**; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p. 1103-1111 <https://doi.org/10.1002/cssc.202002742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Stress relaxation mechanism by strain in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

**Kropman, Daniel**; Seeman, Viktor; Dolgov, Sergei; Heinmaa, Ivo; Medvid, Artur Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 790 - 792 <https://doi.org/10.1002/pssc.201600051> [Journal metrics at Scopus](#) [Article at Scopus](#) [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](#)

### **Subchronic oral and inhalation toxicities : a challenging attempt for modeling and prediction**

**Dobchev, Dimitar A.**; Tulp, Indrek; **Karelson, Gunnar**; Tamm, Tarmo; Tämm, Kaido; **Karelson, Mati** Molecular informatics 2013 / p. 793-801 : ill <https://doi.org/10.1002/minf.201300033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **The study of the fermentative growth of Saccharomyces cerevisiae S288C using auxo-accelerostat technique**

**Kasemets, Kaja; Nisamedtinov, Ildar; Abner, Kristo; Paalme, Toomas** Modern multidisciplinary applied microbiology : exploiting microbes and their interactions 2006 / p. 756-760 : ill <https://doi.org/10.1002/9783527611904.ch135>

### **25-Propyloxy-26,27-dibenzoyloxy-calix[4]arene as precursor for the synthesis of inherently chiral calixarenes**

**Trybrat, Oleksandr**; Yesypenko, Oleksandr; Shishkina, Svitlana; Rusanov, Eduard; **Karpichev, Yevgen; Kalchenko, Vitali** European Journal of Organic Chemistry 2021 / p. 3912-3919 <https://doi.org/10.1002/ejoc.202100624> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wear-resistant composite coatings, surface engineering**

**Kulu, Priit; Zimakov, Sergei** Euromat '99. Vol. 11 2000 / p. 144-145

### **Vinyl phosphonates as photopharmacological agents : laser-induced cis-trans isomerization and butyrylcholinesterase activity**

Bikbaeva, Gulia; Egorova, Anastasia; Sonin, Nikolai; Pilip, Anna; Kolesnikov, Ilya; Pankin, Dmitrii; **Boroznjak, Roman**; Manshina, Alina ChemPhotoChem 2023 / art. e202300131 <https://doi.org/10.1002/cptc.202300131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)