

#### **Abrasion and erosion resistance of cermets : a review**

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#### **Abrasive impact wear and surface fatigue wear behaviour of Fe–Cr–C PTA overlays**

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#### **Abrasive wear resistance of HVOF sprayed and PTA-welded hardmetal hard phase reinforced metal-matrix based coatings**

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#### **Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr<sub>3</sub>C<sub>2</sub>-based powders**

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#### **Acoustic study of novel eco-friendly material for vehicle NVH applications**

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#### **Acquisition of O<sub>2</sub> adsorption isotherms as thorough characterization of nanocrystalline titanium dioxide photocatalysts**

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#### **Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol**

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#### **Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids**

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#### **Additive manufacturing : alloy design and process innovations**

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#### **Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off**

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#### **Additive manufacturing of CMCs with bimodal microstructure**

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

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#### **Additive manufacturing of TiC-based cermets : a detailed comparison with spark plasma sintered samples**

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**Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se<sub>2</sub> thin film solar cells**

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### **Annealing effect for SnS thin films prepared by high-vacuum evaporation**

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**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**

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**Chiral recognition by supramolecular porphyrin-hemicucurbit[8]uril-functionalized gravimetric sensors**

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**CO<sub>2</sub> mineralization by burnt oil shale and cement bypass dust : effect of operating temperature and pre-treatment**

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### **Comparison of mechanical and antibacterial properties of TiO<sub>2</sub>/Ag ceramics and Ti<sub>6</sub>Al<sub>4</sub>V-TiO<sub>2</sub>/Ag composite materials using combined SLM-SPS techniques**

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### **Compensation topologies in IPT Systems : standards, requirements, classification, analysis, comparison and application**

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### **Compositionally tunable structure and optical properties of Cu<sub>1.85</sub>(CdxZn<sub>1-x</sub>)<sub>1.1</sub>SnS<sub>4.1</sub> (0 ≤ x ≤ 1) monograin powders**

**Pilvet, Maris; Kauk-Kuusik, Marit; Altosaar, Mare; Grossberg, Maarja; Danilson, Mati; Timmo, Kristi; Mere, Arvo; Mikli, Valdek** Thin solid films 2015 / p. 180-183 : ill <https://doi.org/10.1016/j.tsf.2014.10.091> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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**Necib, Jallouli**; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 <https://doi.org/10.1039/D2TC04265G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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#### Impact of Cu<sub>2</sub>ZnSn(SexS<sub>1-x</sub>)<sub>4</sub> (x=0.3) compositional ratios on the monograin powder properties and solar cells

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**Selective photocurrent generation in HfO<sub>2</sub> and carbon nanotube hybrid nanocomposites under Ultra-Violet and visible photoexcitations**

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**Semitransparent Sb<sub>2</sub>S<sub>3</sub> thin film solar cells by ultrasonic spray pyrolysis for use in solar windows**

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### **SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack**

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### **Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist**

Lapsa, Didzis; **Metshein, Margus**; **Krivošei, Andrei**; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 <https://doi.org/10.3390/app14219632> [Journal proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Silver metal nanoparticles study for biomedical and green house applications**

**Rauwel, Erwan**; Simon-Gracia, Lorena; Guha, Mithu; **Rauwel, Protima**; **Küüna, Siim**; Wragg, David IOP conference series : materials science and engineering 2017 / art. 012011, p. 1-5 : ill <https://doi.org/10.1088/1757-899X/175/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Silver nanoparticles : synthesis, properties, and applications**

**Rauwel, Protima**; **Rauwel, Erwan**; Ferdov, Stanislav; Singh, Mangala P. Advances in materials science and engineering 2015 / p. 1-2 <https://doi.org/10.1155/2015/624394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simple access to β-trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols**

Kananovich, Dzmitry; Konik, Yulia A.; Zubrytski, Dzmitry M.; **Järving, Ivar**; **Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill <https://doi.org/10.1039/c5cc02386f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A simple space vector modulation method with DC-link voltage balancing and reduced common-mode voltage strategy for a three-level T-type quasi-Z source inverter**

Mayorga, Nicolas; Roncero-Clemente, Carlos; Llor, Ana M.; **Husev, Oleksandr** IEEE Access 2021 / art. 9447724, p. 82747-82760  
<https://doi.org/10.1109/ACCESS.2021.3087035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A simplified method to predict grounding damage of double bottom tankers**

**Heinvee, Martin**; **Tabri, Kristjan** Marine structures 2015 / p. 22-43 : ill <https://doi.org/10.1016/j.marstruc.2015.04.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)