

### **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-erosive wear of thermally sprayed coatings from experimental and commercial Cr3C2-based powders**

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

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### **Acquisition of O2 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 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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#### **Additively manufactured mesostructured MoSi<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic lattice**

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#### **Adhesion of single-walled carbon nanotube thin films with different materials**

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#### **AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates**

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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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### **Analysis of barrier inhomogeneities of P-type Al<sub>4</sub>H-SiC Schottky barrier diodes**

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**Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application**  
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**Crumb rubber as a secondary raw material from waste rubber : a short review of end-of-life mechanical processing methods**

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**Crystal structure and magnetic properties of Peacock- Weakley type polyoxometalates Na<sub>9</sub>[Ln(W<sub>5</sub>O<sub>18</sub>)<sub>2</sub>] (Ln = Tm, Yb): Rare example of Tm(III) SMM**

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**Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells for flexible photovoltaic applications**

**Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Muska, Katri; Danilson, Mati; Krustok, Jüri; Josepson, Raavo; Mikli, Valdek; Grossberg-Kuusik, Maarja** Journal of materials chemistry A 2023 / p. 23640-23652 <https://doi.org/10.1039/D3TA04541B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents**

**Volokhova, Maria**; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Seinberg, Liis Materials 2022 / art. 2228 <https://doi.org/10.3390/ma15062228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**CVD nanocrystalline multilayer graphene coated 3D-printed alumina lattices**

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**Jaason, Karli; Peetsalu, Priidu; Saarna, Mart; Kulu, Priit; Beilmann, Jüri** Materials science = Medžiagotyra 2016 / p. 148-152 : ill <https://doi.org/10.5755/j01.ms.22.1.7467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decoding the atomic structure of GaTe5 pulsed laser deposition films for memory applications using diffraction and first-principles simulations**

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### **Defect studies in Cu<sub>2</sub>ZnSnSe<sub>4</sub> and Cu<sub>2</sub>ZnSn(Se<sub>0.75</sub>S<sub>0.25</sub>)<sub>4</sub> by admittance and photoluminescence spectroscopy**

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### **Degradation of 600-V 4H-SiC Schottky diodes under irradiation with 0.9 MeV electrons**

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**Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts**

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**Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems**

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**Fabrication of localized diamond-filled copper structures via selective laser melting and spark plasma sintering**

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### **Reaction pathway to CZTSe formation in CdI<sub>2</sub> : Part 2: Chemical reactions and enthalpies in mixtures of CdI<sub>2</sub>-CuSe-SnSe and CdI<sub>2</sub>-CuSe-SnSe-ZnSe**

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**Synthesis and characterization of tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin material for photovoltaic application**

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