

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

Kübarsepp, Jakob; Juhani, Kristjan; Tarraste, Marek Materials 2022 / art. 69 <https://doi.org/10.3390/ma15010069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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 Cr<sub>3</sub>C<sub>2</sub>-based powders**

Sarjas, Heikki; Surženkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Matikainen, Ville; Vuoristo, Petri Journal of thermal spray technology 2017 / p. 2020-2029 : ill <https://doi.org/10.1007/s11666-017-0638-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Activation and reactivity of Estonian oil shale cyclone ash towards SO<sub>2</sub> binding**

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#### **Adaptation of Laboratory tests for the assessment of wear resistance of drill-bit inserts for rotary-percussive drilling of hard rocks**

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

Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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#### **Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell**

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#### **Aluminate-based nanostructured luminescent materials : design of processing and functional properties**

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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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#### **An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization**

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

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**Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior**

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**Annealing of frozen-in defects in ZnO**

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**Application of active thermography for the study of losses in components produced by laser powder Bed fusion**

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**Assessing structural bonding aspects of multiband superconductors through impurity-induced local lattice distortions : a case study on MgB<sub>2</sub>**

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**Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices**

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**Atomic layer deposition of alumina on g-Al<sub>2</sub>O<sub>3</sub> nanofibres**

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**Atomic structure and dynamics of unusual and wide-gap phase-change chalcogenides : a GeTe<sub>2</sub> case**  
Usuki, Takeshi; Benmore, Chris J.; Tverjanovich, Andrey; **Bereznev, Sergei**; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; Ohara, Koji; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Physica status solidi - rapid research letters 2024 / art. 2300482  
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**Bandgap fluctuations, hot carriers, and band-to-acceptor recombination in Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> microcrystals**  
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**1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes**  
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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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**Cavitation resistance of WC-10Co<sub>4</sub>Cr and WC-20CrC-7Ni HVOF coatings**  
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**Change in the parameters of electron-irradiated 4H-SiC Schottky diodes as a function of the time during low-temperature isothermal annealing**

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#### **Characterisation of TiC-NiMo reinforced Ni-based hardfacing**

**Zikin, Arkadi**; Badisch, Ewald; **Hussainova, Irina**; Tomastik, C.; Danninger, Herbert Surface & coatings technology 2013 / p. 36-44 : ill <https://www.sciencedirect.com/science/article/pii/S0257897213001825> <https://doi.org/10.1016/j.surfcoat.2013.02.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterization and changes in the thermal behavior of the phosphorite sample from Toolse deposit (Estonia) along the drill-core**

**Kaljuvee, Tiit**; **Tõnsuaadu, Kaia**; **Kallaste, Toivo**; **Graul, Sophie**; **Hints, Rutt**; **Kivimäe, Eliise-Koidula**; Petkova, Vilma; **Triikkel, Andres** Journal of thermal analysis and calorimetry 2024 / p. 12651 - 12664 <https://doi.org/10.1007/s10973-024-13655-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Safonova, Maria**; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Garcia, A. R.; **Kerm, Karin**; **Revathi, Naidu**; Romann, Tavo; **Mikli, Valdek**; **Volobujeva, Olga** Journal of materials science : materials in electronics 2014 / p. 3160-3165 : ill <https://doi.org/10.1007/s10854-014-1998-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Chemical etching of tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin powder materials for solar cell applications**

**Ghisani, Fairouz**; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Danilson, Mati**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit** Materials science in semiconductor processing 2022 / art. 106291 <https://doi.org/10.1016/j.mssp.2021.106291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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#### **Combustion synthesis and reactive spark plasma sintering of non-equiatomic coal-based high entropy intermetallics**

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#### **Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons**

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### **Comparative study of microstructure and mechanical properties of Mg/B4C composites: Influence of sintering method and temperature**

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**Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition**

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### **Parametric study on in situ Laser powder bed fusion of Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>**

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