

## **Alumina-silica hollow microspheres in metallo-ceramic matrix composite [Electronic resource]**

Šiškins, Andrejs; Mironovs, Viktors; Zemčenkovs, Vjačeslavs; **Hussainova, Irina** Cellular Materials CellMat 2014 : Dresden, Germany, 22-24 October, 2014 / [CD-ROM]

## **Comparative analysis of two methods for evaluating wear rate of nanocrystalline diamond films**

**Bogatov, Andrei; Yashin, Maxim; Viljus, Mart; Menezes, Pradeep; Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 345-350 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.345>

## **A comparative study of the growth dynamics and tribological properties of nanocrystalline diamond films deposited on the (110) single crystal diamond and Si(100) substrates**

**Podgurski, Vitali; Bogatov, Andrei; Yashin, Maxim; Viljus, Mart; Volobujeva, Olga; Mere, Arvo; Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill <https://doi.org/10.1016/j.diamond.2018.12.024> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Densification and microstructure development in zirconia toughened hardmetals**

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## **Dependence of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact**

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## **Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>/PI composites**

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## **Effect of basalt addition on tribological performance of FeCrSiB HVOF coatings**

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## **Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites**

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## **Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite**

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## **Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites**

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## **Effect of HBN on wear of AlCrN-coated spark plasma - sintered TiB<sub>2</sub>/Ti composites at temperatures up to 900°C**

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## **Effect of new superhard phases formation on properties of composite processed by SHS**

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## **High temperature cyclic impact/abrasion testing of boiler steels**

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## **High-temperature tribological performance of Al<sub>2</sub>O<sub>3</sub>-a-C:H:Si coating in ambient air**

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### The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing

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### Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls

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**Sliding wear performance of AlCrN coating on TiB<sub>2</sub>/Ti composites at high temperatures**  
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**Synergistic effect of Ag and MoS<sub>2</sub> on high-temperature tribology of self-lubricating NiCrBSi composite coatings by laser metal deposition**  
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**The effect of microstructure evolution on the wear behavior of tantalum processed by Indirect Extrusion Angular Pressing**  
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**Tribological behavior of 316L stainless steel manufactured by selective laser melting**  
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