

### **Assessment of zirconia doped hardmetals as tribomaterials**

Hussainova, Irina; Antonov, Maksim; Voltšihhin, Nikolai Wear 2011 / p. 1909-1915 : ill

### **Characterisation of zirconium doped titanium dioxide thin films deposited by chemical spray pyrolysis**

Oluwabi, Abayomi Titilope; Oja Acik, Ilona; Krunks, Malle; Mikli, Valdek; Juma, Albert Owino Proceedings of 13th International Conference of Young Scientists on Energy Issues : CYSENI 2016 : May 26-27 2016, Kaunas, Lithuania 2016 / p. VII-210 - VII-218

### **Comparing tungsten carbide based composites reinforced by alumina nanofibers or zirconia**

Yung, Der-Liang; Dong, Minjie; Hussainova, Irina Proceedings of the PM13 International Conference on Powder Metallurgy and Particulate Materials 2013 / p. 24-35 : ill

### **Densification and characterization of spark plasma sintered ZrC-ZrO<sub>2</sub> composites**

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Materials science and engineering : A - structural materials: properties, microstructure and processing 2014 / p. 75-81 : ill

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

Voltšihhin, Nikolai; Hussainova, Irina; Cura, M. Erkin; Hannula, Simo-Pekka; Traksmaa, Rainer Engineering materials and tribology 2013 / p. 50-55 : ill

### **Effect of Zr doping on the structural and electrical properties of spray deposited TiO<sub>2</sub> thin films**

Oluwabi, Abayomi Titilope; Juma, Albert Owino; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle Proceedings of the Estonian Academy of Sciences 2018 / p. 147-157 : ill <https://doi.org/10.3176/proc.2018.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electroconductive composite of zirconia and hybrid graphene/alumina nanofibers**

Hussainova, Irina; Drozdova, Maria; Perez-Coll, Domingo Journal of the European Ceramic Society 2017 / p. 3713-3719 : ill <https://doi.org/10.1016/j.jeurceramsoc.2016.12.033>

### **Hybrid graphene/alumina nanofibers for electrodconductive zirconia**

Drozdova, Maria; Perez-Coll, Domingo; Aghayan, Marina; Ivanov, Roman; Rodriguez, Miguel Angel; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 15-20 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.15>

### **Optimization of WC-Ni-ZrO<sub>2</sub> structure**

Voltšihhin, Nikolai; Hussainova, Irina; Traksmaa, Rainer; Juhani, Kristjan ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / 8 p. : ill <http://www.escm.eu.org/eccm15/data/assets/296.pdf>

### **Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites**

Yung, Der-Liang; Maaten, Birgit; Antonov, Maksim; Hussainova, Irina International journal of refractory metals and hard materials 2017 / p. 244-251 : ill <https://doi.org/10.1016/j.ijrmhm.2017.03.019>

### **Processing and properties of zirconia toughened WC-based cermets**

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Proceedings of the 37th Int'l Conf & Expo on Advanced Ceramics & Composites (ICACC 2013) 2013 / 1-7 : ill

### **Processing and properties of zirconia toughened WC-based cermets**

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Advanced processing and manufacturing technologies for structural and multifunctional materials VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 97-103

### **Processing of ZrC-TiC composites by SPS**

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmaa, Rainer Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 94-99 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.94>

### **ZrC-TiC-MoSi<sub>2</sub> ceramic composite by spark plasma sintering**

Hussainova, Irina; Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya Journal of Physics: Conference Series 2020 / art. 012028 <https://doi.org/10.1088/1742-6596/1527/1/012028> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Wear behavior of Co-free hardmetals doped by zirconia and produced by conventional PM and SPS routines**

Hussainova, Irina; Antonov, Maksim; Voltšihhin, Nikolai; Kübarsepp, Jakob Wear 2014 / p. 83-90 : ill

### **Wear behaviour of doped WC-Ni based hardmetals tested by four methods**

Yung, Der-Liang; Antonov, Maksim; Veinthal, Renno; Hussainova, Irina Wear 2016 / p. 171-179 : ill <http://dx.doi.org/10.1016/j.wear.2016.02.015>

