

### **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 <https://doi.org/10.1016/j.msea.2013.12.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sintering of zirconium carbide-based composites**

**Yung, Der-Liang; Voltšihhin, Nikolai; Hussainova, Irina; Kollo, Lauri; Traksmaa, Rainer** Proceedings of EuroPM2012 – Hardmetals : Cermets and Ceramics 2012 / p. 83-88 : ill [https://www.researchgate.net/publication/250254543\\_Sintering\\_of\\_zirconium\\_carbide-based\\_composites](https://www.researchgate.net/publication/250254543_Sintering_of_zirconium_carbide-based_composites)

### **Synthesis of ZrC-TiC blend by novel combination of sol-gel method and carbothermal reduction**

Umalas, Madis; Reedo, Valter; Lõhmus, Ants; **Hussainova, Irina; Juhani, Kristjan** Engineering materials and tribology 2013 / p. 62-67 [https://www.researchgate.net/publication/265844548\\_Synthesis\\_of\\_ZrC-TiC\\_Blend\\_by\\_Novel\\_Combination\\_of\\_Sol-Gel\\_Method\\_and\\_Carbothermal\\_Reduction](https://www.researchgate.net/publication/265844548_Synthesis_of_ZrC-TiC_Blend_by_Novel_Combination_of_Sol-Gel_Method_and_Carbothermal_Reduction)

### **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](#)

### **Toward high temperature tough ceramics**

**Hussainova, Irina; Yung, Der-Liang; Voltšihhin, Nikolai; Traksmaa, Rainer; Hannula, Simo-Pekka** ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / [8] p <http://www.escm.eu.org/eccm15/data/assets/178.pdf>

### **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 <https://doi.org/10.1016/j.wear.2016.02.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)