

### **Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites**

Umalas, Madis; **Hussainova, Irina**; Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill  
<https://doi.org/10.1016/j.matchemphys.2015.01.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Elaboration of hard and optical oxide materials from the Ti, Zr and Hf alkoxides**

Reedo, Valter; Järvekülg, Martin; Keevend, Kelli; Lange, Sven; **Kollo, Lauri** 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 15-16 : ill

### **Elaboration of method for preparation of IVB group metal carbides nanocomposites**

Umalas, Madis; Reedo, Valter; Lõhmus, Ants; **Hussainova, Irina** Functional Materials & Nanotechnologies : Riga, 5-8 April 2011 2011 / [1] p

### **Luminescent materials based on thin metal oxide films doped with rare Earth ions**

Kanarjov, P.; Reedo, Valter; **Oja Acik, Ilona**; Matisen, L.; Vorobjov, A.; Kiisk, Valter; **Krunks, Malle**; Sildos, Ilmo Physics of the solid state 2008 / 9, Proceedings of the XIII Feofilov Symposium "Spectroscopy of Crystals Doped by Rare-Earth and Transition-Metal Ions" (Irkutsk, July 9-13, 2007). p. 1727-1730 : ill <https://link.springer.com/article/10.1134/S1063783408090278>

### **A novel route of synthesis of sodium hexafluorosilicate two component cluster crystals using BF4- containing ionic liquids**

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### **Pinching of alkoxide jets - a route for preparing nanometre level sharp oxide fibres**

Tätte, Tanel; Paalo, Madis; Kisand, Vambola; Reedo, Valter; **Kartušinski, Aleksander**; Saal, K.; Mäeorg, U.; Lõhmus, Ants; Kink, I. Nanotechnology 2007 / 12, p. 125301 [5 p.] : ill <https://iopscience.iop.org/article/10.1088/0957-4484/18/12/125301/meta>

### **Solution based processing for nanocarbides**

**Umalas, Madis**; Reedo, Valter; Lõhmus, A.; **Hussainova, Irina** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 753-758 : ill

### **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)