

Assessment of zirconia doped hardmetals as tribomaterials

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

Critical radius in the effect of transformation toughening of zirconia doped ceramics and cermets

Freidin, Alexander; Filippov, Roman; Hussainova, Irina; Vilchevskaya, Elena Engineering materials and tribology 2013 / p. 68-73

Critical radius of zirconia inclusions in transformation toughening of ceramics

Filippov, Roman; Freidin, Alexander; Hussainova, Irina; Vilchevskaya, Elena Physical mesomechanics 2015 / p. 33-42 : ill

<http://dx.doi.org/10.1134/S1029959915010051>

Densification and characterization of spark plasma sintered ZrC–ZrO₂ 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; Traksmäa, Rainer Engineering materials and tribology 2013 / p. 50-55 : ill

Effect of basalt and silica additives on erosive wear resistance of cast ceramics

Baroninš, Janis; Antonov, Maksim; Ivanov, Roman; Shuliak, Volodymyr; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 144-151 : ill <http://dx.doi.org/10.3176/proc.2016.2.05>

Effect of carbon content on sinterability and properties of ZrO₂ doped WC-cermets

Cura, M. Erkin; Voltšihhin, Nikolai; Hussainova, Irina; Viljus, Mart; Hannula, Simo-Pekka Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 771-776

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>

Graphene coated alumina nanofibers as zirconia reinforcement

Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Petrov, Mihail Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 348-353 : ill

K₂CO₃-containing composite sorbents based on a ZrO₂ aerogel for reversible CO₂ capture from ambient air

Veselovskaya, Janna; Derevshchikov, Vladimir; Shalygin, Anton S.; Yatsenko, Dmitry Microporous and Mesoporous Materials 2021 / art. 110624 <https://doi.org/10.1016/j.micromeso.2020.110624> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sintering routes for zirconia doped hardmetals

Voltšihhin, Nikolai; Cura, M. Erkin; Hussainova, Irina; Hannula, Simo-Pekka Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 765-770 : ill

Thermal and microstructural analysis of doped alumina nanofibers

Aghayan, Marina; Gasik, Michael; Hussainova, Irina; Rubio-Marcos, Fernando; Kollo, Lauri; Kübarsepp, Jakob Thermochemica acta 2015 / p. 43-48 : ill <http://dx.doi.org/10.1016/j.tca.2015.01.009>

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