

Adsorption and kinetics studies of Cr (VI) by graphene oxide and reduced graphene oxide-zinc oxide nanocomposite

Naseem, Taiba; Bibi, Fozia; Arif, Saira; Waseem, Muhammad Adnan; Haq, Sirajul; Azra, Mohamad Nor; **Liblik, Taavi**; Zekker, Ivar *Molecules* 2022 / art. 7152, 16 p. : ill <https://doi.org/10.3390/molecules27217152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Atomic layer deposition of alumina on g-Al₂O₃ nanofibres

Jõgiaas, Taivo; Arroval, Tõnis; **Kollo, Lauri**; **Hussainova, Irina** *Physica status solidi (a) : applications and materials science* 2014 / p. 403-408 : ill <https://doi.org/10.1002/pssa.201330083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electroconductive alumina-TiC-Ni nanocomposites obtained by spark plasma sintering

Rodriguez-Suarez, T.; Bartolome, Jose F.; **Smirnov, Anton**; Lopez-Esteban, S.; Diaz, L.A.; Torrecillas, R.; Moya, J.S. *Ceramics international* 2011 / p. 1631-1636 : ill

Hybrid graphene/alumina nanofibers for electroconductive 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 (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016* / p. 15-20 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.15> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Microstructure evolution and mechanical properties investigation of friction stir welded AlMg5-Al₂O₃ nanocomposites

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc *TMS 2016 : 145 Annual Meeting & Exhibition : supplemental proceedings 2016* / p. 729-736 : ill http://dx.doi.org/10.1007/978-3-319-48254-5_87

Permittivity and breakdown voltage study of the epoxy-based nanocomposites

Siddique, Abubakar; Arshad, Amna; Aslam, Waseem; Fatima, Maham; **Sardar, Muhammad Usman**; Noon, Muhammad Asim *International review of electrical engineering* 2023 / p. 373-382 <https://doi.org/10.15866/iree.v18i5.22518> [Journal metrics at Scopus](#) [Article at Scopus](#)

Silver-chitosan nanocomposites for biomedical application : design, synthesis and antimicrobial efficiency

Kasemets, Kaja; **Laanoja, Jüri**; **Sihtmäe, Mariliis**; **Vija, Heiki**; **Kurvet, Imbi**; **Otsus, Maarja**; **Kahru, Anne** *International Conference EcoBalt 2023 "Chemicals&Environment" 2023* / 2 p. <https://doi.org/10.3390/proceedings2023092040>

Sliding wear behaviour of alumina/nickel nanocomposites processed by a conventional sintering route

Rodriguez-Suarez, T.; Bartolome, Jose F.; **Smirnov, Anton**; Lopez-Esteban, S.; Torrecillas, R.; Moya, J.S. *Journal of the European Ceramic Society* 2011 / p. 1389-1395 : ill

Sol-Gel approach to the calcium phosphate nanocomposites

Beganskiene, Aldona; Stankeviciute, Zivile; Malakauskaite, Milda; **Bogdanoviciene, Irma**; **Mikli, Valdek**; **Tõnsuaadu, Kaia**; Kareiva, Aivaras *Nanostructured materials and nanotechnology 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. 3-14 : ill <https://doi.org/10.1002/9781118807828.ch1> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Solid state processing of aluminum matrix Composites reinforced with nanoparticulate materials

Leparoux, Marc; **Kollo, Lauri**; Kwon, Hansang; **Kallip, Kaspar**; Babu, N. Kishore; AlOgab, Khaled A.; Talari, Mahesh Kumar *Advanced engineering materials* 2018 / art. 1800401, 18 p.: ill <https://doi.org/10.1002/adem.201800401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spark plasma sintering of layered γ-Al₂O₃/graphene reinforced nanocomposites

Saffarshamshirgar, Ali; **Ivanov, Roman**; **Hussainova, Irina** *Proceedings of the Estonian Academy of Sciences* 2019 / p. 140-144 : ill <https://doi.org/10.3176/proc.2019.2.04> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-140-144.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and antibacterial efficiency of chitosan-copper oxide nanocomposites

Laanoja, Jüri; **Sihtmäe, Mariliis**; **Otsus, Maarja**; **Kahru, Anne**; **Kasemets, Kaja** *International Conference EcoBalt 2023 "Chemicals&Environment" 2023* / 2 p. <https://doi.org/10.3390/proceedings2023092035>

Synthesis of ternary GNP-CNT-ZrO₂ nanocomposite as a high-performance anode for lithium-ion batteries

Imanian Ghazanlou, Siavash; Imanian Ghazanlou, Siamak; Imanian Ghazanlou, Sroush; Mohammadpour, Naghme; **Hussainova, Irina** *Journal of industrial and engineering chemistry* 2023 / p. 209-221 : ill <https://doi.org/10.1016/j.jiec.2023.07.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal and microstructural analysis of doped alumina nanofibers

Aghayan, Marina; Gasik, Michael; **Hussainova, Irina**; Rubio-Marcos, Fernando; **Kollo, Lauri**; **Kübarsepp, Jakob** *Thermochimica acta* 2015 / p. 43-48 : ill <https://doi.org/10.1016/j.tca.2015.01.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribological characteristics of copper based composites with Al₂O₃ particles at various temperatures

Hvizdoš, Pavol; Besterčí, Michal; **Kulu, Priit**; Kavačkaj, T. High temperature materials and processes 2013 / p. 437-442

<https://doi.org/10.1515/htmp-2012-0161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)