

Combustion synthesis of silicon carbide by magnesio-carbothermic reduction of amorphous and crystalline silica

Kirakosyan, Hasmik; Nazaretyan, Khachik; Beglaryan, Hayk; Ivanov, Roman; **Hussainova, Irina**; **Aydinyan, Sofiya** Proceedings of the Estonian Academy of Sciences 2025 / p. 260-265 <https://doi.org/10.3176/proc.2025.2.31>

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 <https://doi.org/10.3176/proc.2016.2.05> https://artiklid.elnet.ee/record=b2768221*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of silica precursor on the synthesis of Zn₂SiO₄-based material

Rojas Hernandez, Rocio Estefania; **Hussainova, Irina**; **Necib, Jallouli** Proceedings of the Estonian Academy of Sciences 2025 / p. 217-221 <https://doi.org/10.3176/proc.2025.2.24>

Microstructural Characterization and Hydrothermal Ageing Resistance of Rice Husk Silica-Doped Alumina Toughened Zirconia Biocomposite

Gupta, Ashutosh; Pandey, Vaibhav; Singh, Satyendra Kumar; **Yadav, Mayank Kumar**; Majhi, Manas Ranjan Silicon 2025 / 11 p <https://doi.org/10.1007/s12633-025-03353-0>

Porphyrin-based hybrid nanohelices : cooperative effect between molecular and supramolecular chirality on amplified optical activity

Anfar, Zakaria; Kuppan, Balamurugan; Scalabre, Antoine; Nag, Rahul; Pouget, Emilie; Nlate, Sylvain; Magna, Gabriele; Di Filippo, Ilaria; Monti, Donato; Naitana, Mario L.; Stefanelli, Manuela; **Nikonovich, Tatsiana**; **Borovkov, Victor**; **Aav, Riina**; Paolesse, Roberto; Oda, Reiko The journal of physical chemistry B 2024 / p. 1550-1556 <https://doi.org/10.1021/acs.jpcc.3c07153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Research of the possibility of producing finely divided materials from natural raw materials for reactive powder concretes by mechanochemistry

Abramov, M.A.; Stepanov, E.G.; **Goljandin, Dmitri**; Dobrokhoto, V.B. Journal of physics : conference series 2019 / art. 012023, 5 p. : ill <https://doi.org/10.1088/1757-899X/666/1/012023> [Conference proceedings at Scopus](#) [Article at Scopus](#)