

Additively manufactured mesostructured MoSi₂-Si₃N₄ ceramic lattice

Minasyan, Tatevik; Liu, Le; Holovenko, Yaroslav; Aydinyan, Sofiya; Hussainova, Irina Ceramics international 2019 / p. 9926-9933 <https://doi.org/10.1016/j.ceramint.2019.02.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB₂ fabricated by selective laser melting and hot pressing

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A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica

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Effect of atomic layer deposited aluminium oxide on mechanical properties of porous silicon carbide

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Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets

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Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet

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

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Elucidating reaction mechanism by molten salt of potential rare-earth-free Zn₂SiO₄ UV-B emitter: Insights into morphology and emission features

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Fabrication of novel SiO_xN_y/SWCNT laminate-type composite protective coating using low-temperature approach

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Fe-Ni binder modified NbC cermets: A cost-effective solution with superior mechanical properties

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Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis

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Highly textured zinc aluminate: Nd, Ce films over sapphire for NIR emitting applications

Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; Hussainova, Irina Ceramics international 2023 / p. 13125 - 13130 <https://doi.org/10.1016/j.ceramint.2022.12.190> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of Nb content on the morphology and properties of Ti (C_{0.5}N_{0.5})-FeCrMo-based green cermets

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Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors

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Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering

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Microstructural evolution and mechanical properties of Ti(C,N)–FeCrMo-based green cermets

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A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial

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A novel approach to fabricate Si₃N₄ by selective laser melting

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Novel homogeneous gel fibers and capillaries from blend of titanium tetrabutoxide and siloxane functionalized ionic liquid

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Novel silicon-wollastonite based scaffolds for bone tissue engineering produced by selective laser melting

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A novel Ti-eggshell-based composite fabricated by combined additive manufacturing-powder metallurgical routes as bioimplants

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Selective laser melting of TiB₂-Ti composite with high content of ceramic phase

Liu, Le; **Minasyan, Tatevik**; **Ivanov, Roman**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2020 / p. 21128-21135 <https://doi.org/10.1016/j.ceramint.2020.05.189> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Sintering of silicon carbide obtained by combustion synthesis

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Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)₃O₄ high entropy materials and sintering thereof

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Up-conversion enhancement in Er³⁺ / Yb³⁺ doped 1-D microcavity based on alternating aluminosilicate glass and titania sol-gel layers

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