

Bioceramic scaffolds by additive manufacturing for controlled delivery of the antibiotic vancomycin

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Combustion synthesis of MoSi₂ based composite and selective laser sintering thereof

Minasyan, Tatevik; Aghayan, Marina; Liu, Le; Aydinyan, Sofiya; Kollo, Lauri; Hussainova, Irina; Rodriguez, Miguel Angel Journal of the European Ceramic Society 2018 / p. 3814–3821 : ill <https://doi.org/10.1016/j.jeurceramsoc.2018.04.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fabrication of alumina nanocomposites reinforced by a novel type of alumina nanofiber and graphene coated alumina nanofiber

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

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Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics

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Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach

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Hybrid graphene/alumina nanofibers for electroconductive zirconia

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Layered functionally graded alumina ceramic composites

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Low temperature, spark plasma sintering behavior of zirconia added by a novel type of alumina nanofibers

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

Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; Hussainova, Irina** Ceramics international 2020 / p. 26936–26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mesoporous fibrous silicon nitride by catalytic nitridation of silicon

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MoSi₂ based composites preparation by combustion synthesis with subsequent selective laser sintering [Online resource]

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Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner

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Novel pathway for the combustion synthesis and consolidation of boron carbide

Zakaryan, Marieta; Zurnachyan, Alina; Amirkhanyan, Narine; Kirakosyan, Hasmik; **Antonov, Maksim**; Rodriguez, Miguel Angel; **Aydinyan, Sofiya** Materials 2022 / art. 5042 <https://doi.org/10.3390/ma15145042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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Processing of ZrC-TiC composites by SPS

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Selective laser melting for manufacturing of MoSi₂/Si₃N₄ composites

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Selective laser sintered bio-inspired silicon-wollastonite scaffolds for bone tissue engineering

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Sintering of silicon carbide obtained by combustion synthesis

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The influence of alumina and zirconia coats on the tribological properties of alumina nanofibers

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The template-assisted wet-combustion synthesis of copper oxide nanoparticles on mesoporous network of alumina nanofibers

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