

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

Kamboj, Nikhil Kumar; Rodriguez, Miguel Angel; **Rahmani Ahranjani, Ramin;** Prashanth, Konda Gokuldoss; **Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill <https://doi.org/10.3176/proc.2019.2.10>
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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

Drozdova, Maria; Ivanov, Roman; **Aghayan, Marina;** Hussainova, Irina; **Dong, Minjie;** Rodriguez, Miguel Angel Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 337-341 : ill

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

Aghayan, Marina; Voltšihhin, Nikolai; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; **Dong, Minjie;** Hussainova, Irina Ceramics international 2014 / p. 12603-12607 : ill <https://doi.org/10.1016/j.ceramint.2014.04.087> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Ivanov, Roman; Hussainova, Irina; **Aghayan, Marina;** Drozdova, Maria; Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando Journal of the European Ceramic Society 2015 / p. 4017-4021 : ill <https://doi.org/10.1016/j.jeurceramsoc.2015.06.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; **Taleb, Masoud;** Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill https://artiklid.elnet.ee/record=b2768206*est <https://doi.org/10.3176/proc.2016.2.06> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Minasyan, Tatevik; Liu, Le; Aghayan, Marina; Rodriguez, Miguel Angel; **Aydinyan, Sofiya;** Hussainova, Irina Progress in natural science: materials international 2019 / p. 190-197 : ill <https://doi.org/10.1016/j.pnsc.2019.03.017> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Kamboj, Nikhil Kumar; Aghayan, Marina; Rubio-Marcos, Fernando; Nazaretyan, Khachatur; Rodriguez, Miguel Angel; Kharatyan, Suren; **Hussainova, Irina** Ceramics international 2018 / p. 12265-12272 : ill <https://doi.org/10.1016/j.ceramint.2018.04.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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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