

**Bioceramic scaffolds by additive manufacturing for controlled delivery of the antibiotic vancomycin**  
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**Combustion synthesis of MoSi<sub>2</sub> 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;** Voltshin, Nikolai; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; **Dong, Minjie;** Hussainova, Irina Ceramics international 2014 / p. 12603-12607 : ill

**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**  
**Kirakosyan, Khachatur;** Aghayan, Marina; Rodriguez, Miguel Angel; **Taleb, Masoud;** Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill

**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](#)

**MoSi<sub>2</sub> 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**  
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**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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**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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