

**Anisotropic thermal conduction in hierarchically structured composite using graphene-augmented alumina nanofibers**  
**Saffarshamshirgar, Ali; Ivanov, Roman;** Gasik, Michael; **Hussainova, Irina** XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 167

**Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology**  
**Kamboj, Nikhil Kumar; Saffarshamshirgar, Ali;** Shirshneva-Vaschenko, Elena; **Hussainova, Irina** Materials chemistry and physics 2019 / p. 340-346 : ill <https://doi.org/10.1016/j.matchemphys.2018.12.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Directional conductivity in layered alumina**  
**Hussainova, Irina; Saffarshamshirgar, Ali; Ivanov, Roman; Volobujeva, Olga;** Romanov, Alexey; Gasik, Michael Current applied physics 2022 / p. 68-73 : ill <https://doi.org/10.1016/j.cap.2020.06.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hierarchically structured functional ceramic composites with graphene augmented nanofibers = Hierarhiliselt struktureeritud funktsionaalsed keraamilised komposiidid grafeenlisandiga nanokiududega**  
**Saffarshamshirgar, Ali** 2021 [https://www.ester.ee/record=b5453046\\*est](https://www.ester.ee/record=b5453046*est) <https://digikogu.taltech.ee/et/Item/13881820-10e9-4116-bf2c-440a4c2f7b9b> <https://doi.org/10.23658/taltech.42/2021>

**Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity**  
**Saffarshamshirgar, Ali; Rojas Hernandez, Rocio Estefania; Mikli, Valdek; Karppinen, Maarit; Hussainova, Irina** Carbon 2020 / p. 634-645 <https://doi.org/10.1016/j.carbon.2020.06.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spark plasma sintering of layered  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>/graphene reinforced nanocomposites**  
**Saffarshamshirgar, Ali; Ivanov, Roman; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 140–144 : ill <https://doi.org/10.3176/proc.2019.2.04> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-140-144.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-140-144.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermal transport and thermoelectric effect in composites of alumina and graphene-augmented alumina nanofibers**  
**Saffarshamshirgar, Ali;** Belmonte, Manuel; Tewari, Girish C.; **Rojas Hernandez, Rocio Estefania;** Seitsonen, Jani; **Ivanov, Roman;** Karppinen, Maarit; Miranzo, Pilar; **Hussainova, Irina** Materials 2021 / art. 2242 <https://doi.org/10.3390/ma14092242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Time-effective synthesis of rhombohedral CuAlO<sub>2</sub> from mesoporous alumina substrate**  
**Saffarshamshirgar, Ali; Aghayan, Marina;** Tripathi, Tripurari S.; Karppinen, Maarit; Gasik, Michael; **Hussainova, Irina** Materials & design 2018 / p. 48-55 : ill <https://doi.org/10.1016/j.matdes.2018.03.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Time-effective synthesis of rhombohedral CuAlO<sub>2</sub> from mesoporous alumina substrate [Online resource]**  
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**YSZ-rGO composite ceramics by spark plasma sintering : the relation between thermal evolution of conductivity, microstructure and phase stability**  
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