

**Critical radius in the effect of transformation toughening of zirconia doped ceramics and cermets**

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**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](#)

**Graphene covered alumina nanofibers as toughening agent in alumina ceramics**

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**Production of metal–ceramic lattice structures by selective laser melting and carburizing or nitriding**

**Holovenko, Yaroslav**; **Kollo, Lauri**; **Jõelet, Marek**; **Ivanov, Roman**; Soloviova, Tetiana; **Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2019 / p. 131–139 : ill <https://doi.org/10.3176/proc.2019.2.02>  
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**Thermal transport and thermoelectric effect in composites of alumina and graphene-augmented alumina nanofibers**

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