

## **Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine**

**Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei;** Kazemi, Sayed Habib; **Hussainova, Irina** Journal of electroanalytical chemistry 2018 / p. 184-192 : ill <https://doi.org/10.1016/j.jelechem.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Analysing carbon based hybrid nanocomposites displaying interfacial phenomena with scanning transmission electron microscopy and related techniques**

**Rauwel, Protima; Rauwel, Erwan** Microscopy and imaging science : practical approaches to applied research and education 2017 / p. 389-400 : ill <http://www.microscopy7.org/>

## **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

## **Application and Behavior of Nanomaterials in Water Treatment**

### **Special issue of Nanomaterials**

2019 [http://www.mdpi.com/journal/nanomaterials/special\\_issues/nano\\_water](http://www.mdpi.com/journal/nanomaterials/special_issues/nano_water) <https://doi.org/10.3390/books978-3-03921-172-2>

## **Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity**

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## **Biomechanical Features of Graphene-Augmented Inorganic Nanofibrous Scaffolds and Their Physical Interaction with Viruses**

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**Sleptšuk, Natalja;** Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg;** Toompuu, Jana; **Land, Raul;** Mikli, Valdek; Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill [https://www.esteeer.com/record=b5235278\\*est](https://www.esteeer.com/record=b5235278*est) <https://www.scientific.net/KEM.799.185> <https://doi.org/10.4028/www.scientific.net/KEM.799.185> [Conference proceeding at Scopus](#) [Article at Scopus](#)

## **Dichroic absorption of aligned graphene-augmented inorganic nanofibers in the terahertz regime**

Xenidis, Nikolaos; Przewloka, Aleksandra; Stelmaszczyk, Kamil; Haras, Maciej; Smirnov, Serguei; Krajewska, Aleksandra; **Ivanov, Roman;** **Hussainova, Irina;** Oberhammer, Joachim; Skotnicki, Tomas; Mierczyk, Zygmunt; Lioubtchenko, Dmitri Applied materials today 2024 / art. 102245 <https://doi.org/10.1016/j.apmt.2024.102245>

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**Hussainova, Irina; Drozdova, Maria;** Perez-Coll, Domingo Journal of the European Ceramic Society 2017 / p. 3713-3719 : ill <https://doi.org/10.1016/j.jeurceramsoc.2016.12.033>

## **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

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## **Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers**

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

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#### **Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions**

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

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#### **Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells**

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#### **Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity**

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#### **Thermal transport and thermoelectric effect in composites of alumina and graphene-augmented alumina nanofibers**

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