

Claudiu Fleaca

List of Publications by Year in descending order

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docs citations

36
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596
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity, viscosity and surface tension of nanofluids based on FeC nanoparticles. Powder Technology, 2015, 284, 78-84.	4.2	99
2	Study of the thermal conductivity of hybrid nanofluids: Recent research and experimental study. Powder Technology, 2020, 367, 347-357.	4.2	46
3	Thermo-physical properties of water based SiC nanofluids for heat transfer applications. International Communications in Heat and Mass Transfer, 2017, 84, 94-101.	5.6	41
4	Ag, Au and Pt decorated TiO ₂ biocompatible nanospheres for UV & vis photocatalytic water treatment. Applied Surface Science, 2020, 509, 145217.	6.1	41
5	High photoactive TiO ₂ /SnO ₂ nanocomposites prepared by laser pyrolysis. Applied Surface Science, 2017, 418, 491-498.	6.1	35
6	Experimental study on viscosity of water based Fe-Si hybrid nanofluids. Journal of Molecular Liquids, 2021, 321, 114938.	4.9	27
7	Thermo-physical properties of water based lanthanum oxide nanofluid. An experimental study. Journal of Molecular Liquids, 2019, 287, 111013.	4.9	25
8	The influence of gravity on the distribution of the deposit formed onto a substrate by sessile, hanging, and sandwiched hanging drop evaporation. Journal of Colloid and Interface Science, 2011, 358, 621-625.	9.4	20
9	Unexpected Ferromagnetism—A Review. Applied Sciences (Switzerland), 2021, 11, 6707.	2.5	16
10	Experimental Study of Thermo-Physical Properties of Nanofluids Based on ¹³ Fe ₂ O ₃ Nanoparticles for Heat Transfer Applications. Heat Transfer Engineering, 2017, 38, 1496-1505.	1.9	14
11	Hanging colloidal drop: A new photonic crystal synthesis route. Photonics and Nanostructures - Fundamentals and Applications, 2018, 29, 42-48.	2.0	13
12	Study of phase development and thermal stability in as synthesized TiO ₂ nanoparticles by laser pyrolysis: ethylene uptake and oxygen enrichment. Applied Surface Science, 2018, 427, 798-806.	6.1	12
13	Doxorubicin-Conjugated Iron Oxide Nanoparticles Synthesized by Laser Pyrolysis: In Vitro Study on Human Breast Cancer Cells. Polymers, 2020, 12, 2799.	4.5	12
14	Water-Based Graphene Oxide-Silicon Hybrid Nanofluids—Experimental and Theoretical Approach. International Journal of Molecular Sciences, 2022, 23, 3056.	4.1	11
15	Zn/F-doped tin oxide nanoparticles synthesized by laser pyrolysis: structural and optical properties. Beilstein Journal of Nanotechnology, 2019, 10, 9-21.	2.8	10
16	Experimental study on contact angle of water based Si-C nanofluid. Journal of Molecular Liquids, 2021, 332, 115833.	4.9	10
17	Novel Fe@TiO ₂ and Fe@SiO ₂ water-dispersible magnetic nanocomposites. Applied Surface Science, 2013, 278, 284-288.	6.1	7
18	Coating Dependent In Vitro Biocompatibility of New Fe-Si Nanoparticles. Nanomaterials, 2018, 8, 495.	4.1	7

#	ARTICLE	IF	CITATIONS
19	The effect of noble metal addition on the properties of oxide semiconductors nanoparticles. Journal of Solid State Chemistry, 2022, 307, 122817.	2.9	6
20	Voltage and Temperature Coefficients of Resistance of Polyethylene/ Nanocarbon-Based Thick Film Composites: Melt-Mixing Versus Melt-Infiltration Synthesis. Journal of Plastic Film and Sheeting, 2010, 26, 71-81.	2.2	5
21	Synthesis of Fe-based core@ZnO shell nanopowders by laser pyrolysis for biomedical applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
22	Advancements on Basic Working Principles of Photo-Driven Oxidative Degradation of Organic Substrates over Pristine and Noble Metal-Modified TiO ₂ . Model Case of Phenol Photo Oxidation. Catalysts, 2021, 11, 487.	3.5	5
23	Influence of solid surface, temperature and concentration on contact angle of water-FeC nanofluid. International Communications in Heat and Mass Transfer, 2021, 128, 105650.	5.6	5
24	Nanocarbon Film as a Percolation Network for Nanocarbon/Polymer Composites. Journal of Reinforced Plastics and Composites, 2009, 28, 2397-2404.	3.1	4
25	Ni-catalysed carbon nanotubes and nanofibers assemblies grown on TiN/Si(100) substrates using hot-filaments combined with d.c. plasma CVD. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 435-440.	2.7	4
26	Heat transfer characteristics of a two-phase closed thermosyphons using nanofluids based on sic nanoparticles. International Journal of Heat and Technology, 2016, 34, S199-S204.	0.6	4
27	Rise and side infiltration in opals and porous materials for their skin-free replica synthesis. Materials Research Express, 2019, 6, 046201.	1.6	3
28	Shaping in the Third Direction; Synthesis of Patterned Colloidal Crystals by Polyester Fabric-Guided Self-Assembly. Polymers, 2021, 13, 4081.	4.5	3
29	Shaping in the Third Direction; Fabrication of Hemispherical Micro-Concavity Array by Using Large Size Polystyrene Spheres as Template for Direct Self-Assembly of Small Size Silica Spheres. Polymers, 2022, 14, 2158.	4.5	3
30	From thin "coffee rings" to thick colloidal crystals, through drop spreading inhibition by the substrate edge. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
31	Composition Influence on the Properties of Titanium-Doped Gamma Iron Oxide Nanoparticles Prepared by Laser Pyrolysis Method. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	1
32	Oriented carbon nanostructures grown by hot-filament plasma-enhanced CVD from self-assembled Co-based catalyst on Si substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1024-1027.	2.7	1
33	Self-organisation of single-crystals as ripple patterns through laser ablation of ionic salt solutions. Applied Surface Science, 2017, 417, 160-164.	6.1	1
34	Laser pyrolysis synthesis of Sn-Fe-N@polycarbosilazane nanocomposites, characterization and evaluation as energy storage materials. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	1
35	Carbon nanostructures from Fe-C nanocomposites by activated CVD methods. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA.	0.8	0
36	Transition Metal/Carbon Nanocomposites. , 2016, , 603-624.		0