

Bejan Hamawandi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

448
citations

840585

11
h-index

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21
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27
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27
docs citations

27
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Thermomechanical Treatment of Al-Zn-Mg-Cu with Minor Amount of Sc and Zr on the Mechanical Properties. <i>Materials</i> , 2022, 15, 589.	1.3	7
2	Thermoelectric Inks and Power Factor Tunability in Hybrid Films through All Solution Process. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19295-19303.	4.0	6
3	Tribological Characterization of Reinforced Fe Matrix Composites with Hybrid Reinforcement of C, Cu, and SiC Particulates. <i>Crystals</i> , 2022, 12, 598.	1.0	6
4	Targeted dielectric coating of silver nanoparticles with silica to manipulate optical properties for metasurface applications. <i>Materials Chemistry and Physics</i> , 2022, 287, 126250.	2.0	34
5	On the electrophoretic deposition of Bi ₂ Te ₃ nanoparticles through electrolyte optimization and substrate design. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 649, 129537.	2.3	4
6	The Effect of Eco-Friendly Inhibitors on the Corrosion Properties of Concrete Reinforcement in Harsh Environments. <i>Materials</i> , 2022, 15, 4746.	1.3	1
7	Thermoelectric performance of Cu ₂ Se doped with rapidly synthesized gel-like carbon dots. <i>Journal of Alloys and Compounds</i> , 2021, 864, 157916.	2.8	22
8	The Effect of Crystal Mismatch on the Thermoelectric Performance Enhancement of Nano Cu ₂ Se. <i>Frontiers in Materials</i> , 2021, 7, .	1.2	4
9	Quantitative conversion of biomass in giant DNA virus infection. <i>Scientific Reports</i> , 2021, 11, 5025.	1.6	3
10	A versatile strategy to synthesize sugar ligand coated superparamagnetic iron oxide nanoparticles and investigation of their antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126086.	2.3	13
11	Multi-objective optimization of concentrated Photovoltaic-Thermoelectric hybrid system via non-dominated sorting genetic algorithm (NSGA II). <i>Energy Conversion and Management</i> , 2021, 236, 114065.	4.4	58
12	Minute-Made, High-Efficiency Nanostructured Bi ₂ Te ₃ via High-Throughput Green Solution Chemical Synthesis. <i>Nanomaterials</i> , 2021, 11, 2053.	1.9	18
13	Carbon Quantum Dots Conjugated Rhodium Nanoparticles as Hybrid Multimodal Contrast Agents. <i>Nanomaterials</i> , 2021, 11, 2165.	1.9	12
14	Heat transfer study of enhanced additively manufactured minichannel heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2020, 161, 120271.	2.5	36
15	Modeling, design, and synthesis of gram-scale monodispersed silver nanoparticles using microwave-assisted polyol process for metamaterial applications. <i>Optical Materials</i> , 2020, 108, 110381.	1.7	26
16	A Comparative Study on the Thermoelectric Properties of Bismuth Chalcogenide Alloys Synthesized through Mechanochemical Alloying and Microwave-Assisted Solution Synthesis Routes. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	17
17	Composition Tuning of Nanostructured Binary Copper Selenides through Rapid Chemical Synthesis and Their Thermoelectric Property Evaluation. <i>Nanomaterials</i> , 2020, 10, 854.	1.9	17
18	Click chemical assembly and validation of bio-functionalized superparamagnetic hybrid microspheres. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1861-1869.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Facile Solution Synthesis, Processing and Characterization of n- and p-Type Binary and Ternary BiSb Tellurides. Applied Sciences (Switzerland), 2020, 10, 1178.	1.3	34
20	Heat Transfer Investigation of an Additively Manufactured Minichannel Heat Exchanger. , 2019, , .		0
21	Photocatalytic degradation of organic dyes and enhanced mechanical properties of PAN/CNTs composite nanofibers. Separation and Purification Technology, 2017, 182, 219-223.	3.9	75
22	Unprecedented Thermoelectric Power Factor in SiGe Nanowires Field-Effect Transistors. ECS Journal of Solid State Science and Technology, 2017, 6, Q114-Q119.	0.9	25
23	A Comparison of Power Factor in n- and p-Type SiGe Nanowires for Thermoelectric Applications. Journal of Nanoscience and Nanotechnology, 2017, 17, 1622-1626.	0.9	3
24	Electrical properties of sub-100 nm SiGe nanowires. Journal of Semiconductors, 2016, 37, 102001.	2.0	3
25	Fabrication and thermoelectric characterization of GeSn nanowires. , 2014, , .		7
26	Growth of GeSnSiC layers for photonic applications. Surface and Coatings Technology, 2013, 230, 106-110.	2.2	9