Gan Jet Hong Melvin

List of Publications by Year
in descending order

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35 papers	532 citations	759233 12 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	624 citing authors

#	Article	IF	Citations
1	Microwave-absorbing properties of silver nanoparticle/carbon nanotube hybrid nanocomposites. Journal of Materials Science, 2014, 49, 5199-5207.	3.7	109
2	Electromagnetic wave absorption properties of barium titanate/carbon nanotube hybrid nanocomposites. Journal of Alloys and Compounds, 2014, 615, 84-90.	5.5	46
3	Nitrogen-doped porous carbon monoliths from molecular-level dispersion of carbon nanotubes into polyacrylonitrile (PAN) and the effect of carbonization process for supercapacitors. Carbon, 2019, 143, 776-785.	10.3	46
4	Double-layer electromagnetic wave absorber based on barium titanate/carbon nanotube nanocomposites. Ceramics International, 2015, 41, 9885-9892.	4.8	43
5	Ag/CNT nanocomposites and their single- and double-layer electromagnetic wave absorption properties. Synthetic Metals, 2015, 209, 383-388.	3.9	36
6	Thermal stability, mechanical properties, and tribological performance of TiAlXN coatings: understanding the effects of alloying additions. Journal of Materials Research and Technology, 2022, 17, 961-1012.	5.8	30
7	Structural evolution of hydrothermal carbon spheres induced by high temperatures and their electrical properties under compression. Carbon, 2017, 121, 426-433.	10.3	25
8	Performance of barium titanate@carbon nanotube nanocomposite as an electromagnetic wave absorber. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600541.	1.8	20
9	Microwave plasma-induced growth of vertical graphene from fullerene soot. Carbon, 2021, 172, 26-30.	10.3	18
10	A Short Review on the Phase Structures, Oxidation Kinetics, and Mechanical Properties of Complex Ti-Al Alloys. Materials, 2021, 14, 1677.	2.9	18
11	Facile synthesis of graphene sheets intercalated by carbon spheres for high-performance supercapacitor electrodes. Carbon, 2020, 167, 11-18.	10.3	18
12	Bending actuation and charge distribution behavior of polyurethane/carbon nanotube electroactive nanocomposites. Polymer Composites, 2016, 37, 262-269.	4.6	13
13	Carbon materials derived from rice husks at low and high temperatures. IOP Conference Series: Materials Science and Engineering, 2017, 217, 012017.	0.6	10
14	Fabrication and characterization of polymer-based electroactive nanocomposite actuator. Microelectronic Engineering, 2014, 126, 9-12.	2.4	9
15	Characterization of carbonized waste materials: Rice husk and saw dust. IOP Conference Series: Materials Science and Engineering, 2019, 606, 012002.	0.6	9
16	Nanotechnology: Applications in Energy, Drug and Food. , 2019, , .		8
17	Anaerobic Digestion of Food Waste. Green Energy and Technology, 2018, , 105-122.	0.6	7
18	Facile mild hydrothermal treatment for surface functionalization of carbonized sawdust. Materials Chemistry and Physics, 2021, 263, 124371.	4.0	7

#	Article	IF	Citations
19	Vibrational Frequencies and Raman Radial Breathing Modes of Multi-Walled Carbon Nanotubes Based on Continuum Mechanics. Journal of Materials Science Research, 2013, 2, .	0.1	6
20	Behavior of polymer-based electroactive actuator incorporated with mild hydrothermally treated CNTs. Applied Physics A: Materials Science and Processing, 2014, 117, 2043-2050.	2.3	6
21	Fabrication and Characterization of Carbonized Rice Husk/Barium Titanate Nanocomposites. IOP Conference Series: Materials Science and Engineering, 2017, 229, 012024.	0.6	6
22	Graphite Whiskers Derived from Waste Coffee Grounds Treated at High Temperature. Global Challenges, 2019, 3, 1800107.	3.6	6
23	Surface modification of carbonised waste rice husks by mild hydrothermal treatment. International Journal of Surface Science and Engineering, 2021, 15, 36.	0.4	6
24	Composite Materials: Applications in Engineering, Biomedicine and Food Science. , 2020, , .		5
25	Electromagnetic wave absorption properties of rice husks carbonized at 2500 Â°C. AIP Conference Proceedings, 2017, , .	0.4	4
26	Carbonized rice husk coated solar absorber for clean water generation from seawater with a solar still. Environmental Technology (United Kingdom), 2023, 44, 326-333.	2.2	4
27	Nanomaterials: Electromagnetic Wave Energy Loss. , 2019, , 73-97.		3
28	Carbonized sawdust/barium titanate composite solar absorber for solar driven seawater desalination. Ceramics International, 2022, 48, 9939-9945.	4.8	3
29	Microstructure Transition and Grain Refinement Mechanism of Undercooled Alloys. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 922-926.	1.0	3
30	Electromagnetic Wave Absorption Performance of Carbonized Rice Husk Obtained at Various Temperatures. Global Challenges, 2019, 3, 1900045.	3.6	2
31	Carbon Nanomaterials for Energy Storage Devices. , 2019, , 1-29.		2
32	Carbon Materials From Various Sources for Composite Materials. , 2020, , 3-33.		2
33	Feasibility study: Resin-based functionally graded material incorporated with carbonized waste rice husk. IOP Conference Series: Materials Science and Engineering, 2022, 1217, 012009.	0.6	1
34	Desalination of seawater using carbon-coated solar absorber in solar still. IOP Conference Series: Materials Science and Engineering, 2022, 1217, 012001.	0.6	1
35	Structure Transition Mechanism in Undercooled CuNi Alloys. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 880-883.	1.0	0