

Janardhanan R Rani

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

510
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Epoxy to Carbonyl Group Conversion in Graphene Oxide Thin Films: Effect on Structural and Luminescent Characteristics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19010-19017.	3.1	83
2	An Ultra-High-Energy Density Supercapacitor; Fabrication Based on Thiol-functionalized Graphene Oxide Scrolls. <i>Nanomaterials</i> , 2019, 9, 148.	4.1	63
3	High Volumetric Energy Density Hybrid Supercapacitors Based on Reduced Graphene Oxide Scrolls. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22398-22407.	8.0	45
4	Substrate and buffer layer effect on the structural and optical properties of graphene oxide thin films. <i>RSC Advances</i> , 2013, 3, 5926.	3.6	43
5	Self-rectifying bipolar resistive switching memory based on an iron oxide and graphene oxide hybrid. <i>Nanoscale</i> , 2017, 9, 15314-15322.	5.6	37
6	Ultra-High Energy Density Hybrid Supercapacitors Using MnO ₂ /Reduced Graphene Oxide Hybrid Nanoscrolls. <i>Nanomaterials</i> , 2020, 10, 2049.	4.1	31
7	Controlling the luminescence emission from palladium grafted graphene oxide thin films via reduction. <i>Nanoscale</i> , 2013, 5, 5620.	5.6	30
8	Effect of copper surface pre-treatment on the properties of CVD grown graphene. <i>AIP Advances</i> , 2014, 4, .	1.3	29
9	Low voltage resistive memory devices based on graphene oxide-iron oxide hybrid. <i>Carbon</i> , 2015, 94, 362-368.	10.3	28
10	Reduced graphene oxide enwrapped phosphors for long-term thermally stable phosphor converted white light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 33993.	3.3	27
11	Graphene Oxide-Phosphor Hybrid Nanoscrolls with High Luminescent Quantum Yield: Synthesis, Structural, and X-ray Absorption Studies. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5693-5700.	8.0	25
12	Terahertz and optical study of monolayer graphene processed by plasma oxidation. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	24
13	Terahertz, optical, and Raman signatures of monolayer graphene behavior in thermally reduced graphene oxide films. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	20
14	Raman Spectra of Luminescent Graphene Oxide (GO)-Phosphor Hybrid Nanoscrolls. <i>Materials</i> , 2015, 8, 8460-8466.	2.9	15
15	Structural and Nonlinear Optical Properties of Self-Assembled SnO ₂ -Doped Silicon Nanorings Formed by Pulsed Laser Ablation. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, K73.	2.2	8
16	Low-temperature characteristics of resistive switching memory devices based on reduced graphene oxide-phosphor composites toward reliable cryogenic electronic devices. <i>Carbon</i> , 2022, 195, 174-182.	10.3	2