

Prasantha R Mudimela

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

806
citations

687363

13
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and rapid synthesis of Fe_2O_3 nanowires under ambient conditions. Nano Research, 2009, 2, 373-379.	10.4	208
2	A novel cement-based hybrid material. New Journal of Physics, 2009, 11, 023013.	2.9	108
3	SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. Materials Characterization, 2009, 60, 735-740.	4.4	89
4	Tuning electronic properties of carbon nanotubes by nitrogen grafting: Chemistry and chemical stability. Carbon, 2015, 83, 118-127.	10.3	54
5	Synthesis of Carbon Nanotubes and Nanofibers on Silica and Cement Matrix Materials. Journal of Nanomaterials, 2009, 2009, 1-4.	2.7	50
6	Nitrogen ion casting on vertically aligned carbon nanotubes: Tip and sidewall chemical modification. Carbon, 2014, 77, 319-328.	10.3	43
7	Direct Synthesis of Carbon Nanofibers on Cement Particles. Transportation Research Record, 2010, 2142, 96-101.	1.9	41
8	Single-walled carbon nanotube networks for ethanol vapor sensing applications. Nano Research, 2013, 6, 77-86.	10.4	36
9	Gas sensing with gold-decorated vertically aligned carbon nanotubes. Beilstein Journal of Nanotechnology, 2014, 5, 910-918.	2.8	35
10	Incremental Variation in the Number of Carbon Nanotube Walls with Growth Temperature. Journal of Physical Chemistry C, 2009, 113, 2212-2218.	3.1	22
11	Properties of high yield synthesised carbon nano fibres/Portland cement composite. Advances in Cement Research, 2009, 21, 141-146.	1.6	22
12	Femtosecond Four-Wave-Mixing Spectroscopy of Suspended Individual Semiconducting Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 6780-6786.	14.6	17
13	Measurement of optical second-harmonic generation from an individual single-walled carbon nanotube. New Journal of Physics, 2013, 15, 083043.	2.9	15
14	Single-Walled Carbon Nanotube Network Field Effect Transistor as a Humidity Sensor. Journal of Sensors, 2012, 2012, 1-7.	1.1	13
15	Selective chemical functionalization of carbon nanobuds. Carbon, 2012, 50, 4171-4174.	10.3	9
16	Pull-in response and eigen frequency analysis of graphene oxide-based NEMS switch. Materials Today: Proceedings, 2020, 28, 196-200.	1.8	8
17	Simulation of MOSFET with Different Dielectric Films. , 2018, , .		7
18	Finite Element Analysis of Graphene Oxide Hinge Structure-based RF NEM Switch. IETE Journal of Research, 2023, 69, 967-974.	2.6	7

#	ARTICLE	IF	CITATIONS
19	3D modeling of graphene oxide based nanoelectromechanical capacitive switch. <i>Microsystem Technologies</i> , 2020, 26, 2931-2937.	2.0	7
20	Graphene cantilever-based digital logic gates. <i>Journal of Computational Electronics</i> , 2021, 20, 81-87.	2.5	6
21	Performance Analysis of NEMS Switch Using Graphene Derivative Based Composite Beam. <i>IEEE Nanotechnology Magazine</i> , 2021, 20, 441-448.	2.0	3
22	Morphology and structure of carbon nanotubes synthesized on iron catalyst in the presence of carbon monooxide. <i>Nanotechnologies in Russia</i> , 2010, 5, 198-208.	0.7	2
23	Comprehensive study of RF analysis of G/GO-based NEMS shunt switch. <i>Microsystem Technologies</i> , 2022, 28, 1069-1075.	2.0	2
24	Second-harmonic Generation Microscopy of Carbon Nanotubes. , 2012, , .		0
25	Mathematical and Behaviors Approach to reduce Phase Noise of Frequency Synthesizer. , 2018, , .		0
26	User Centric Hospital Automation System Using Intranet. , 2021, , .		0
27	Single Crystalline Films of Zinc Oxide for Nanorod Applications. <i>Environmental Science and Engineering</i> , 2014, , 775-777.	0.2	0