

Viney Saini

List of Publications by Year in descending order

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35
papers

1,448
citations

394421

19
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Solar Cells: A Review of Materials, Limitations, and Possibilities for Improvement. Particulate Science and Technology, 2013, 31, 427-442.	2.1	150
2	Light-Harvesting Using High Density <i>p</i> -type Single Wall Carbon Nanotube/ <i>n</i> -type Silicon Heterojunctions. ACS Nano, 2009, 3, 1407-1414.	14.6	141
3	Carbon Nanotubes: Synthesis, Properties, and Applications. Particulate Science and Technology, 2009, 27, 107-125.	2.1	118
4	Large-scale graphene production by RF-cCVD method. Chemical Communications, 2009, , 4061.	4.1	111
5	Comparative Study on Different Carbon Nanotube Materials in Terms of Transparent Conductive Coatings. Langmuir, 2008, 24, 2655-2662.	3.5	102
6	Electrical, Optical, and Morphological Properties of P3HT-MWNT Nanocomposites Prepared by in Situ Polymerization. Journal of Physical Chemistry C, 2009, 113, 8023-8029.	3.1	97
7	Does the wall number of carbon nanotubes matter as conductive transparent material?. Applied Physics Letters, 2007, 91, 053115.	3.3	72
8	SOCl ₂ enhanced photovoltaic conversion of single wall carbon nanotube/ <i>n</i> -silicon heterojunctions. Applied Physics Letters, 2008, 93, .	3.3	72
9	Structural and optoelectronic properties of P3HT-graphene composites prepared by <i>in situ</i> oxidative polymerization. Journal of Applied Physics, 2012, 112, .	2.5	59
10	Thermally controlled synthesis of single-wall carbon nanotubes with selective diameters. Journal of Materials Chemistry, 2009, 19, 3004.	6.7	53
11	Tuning the work function of polyaniline via camphorsulfonic acid: an X-ray photoelectron spectroscopy investigation. RSC Advances, 2015, 5, 33-40.	3.6	49
12	Comparative Aging Study of Organic Solar Cells Utilizing Polyaniline and PEDOT:PSS as Hole Transport Layers. ACS Applied Materials & Interfaces, 2015, 7, 27667-27675.	8.0	45
13	Polymer functionalized <i>n</i> -type single wall carbon nanotube photovoltaic devices. Applied Physics Letters, 2010, 96, .	3.3	41
14	The role of surface chemistry in the cytotoxicity profile of graphene. Journal of Applied Toxicology, 2017, 37, 462-470.	2.8	38
15	Optimization of the Protonation Level of Polyaniline-Based Hole Transport Layers in Bulk Heterojunction Organic Solar Cells. Energy Technology, 2013, 1, 463-470.	3.8	32
16	Surface area and thermal stability effect of the MgO supported catalysts for the synthesis of carbon nanotubes. Journal of Materials Chemistry, 2008, 18, 5738.	6.7	28
17	Photovoltaic Device Performance of Single-Walled Carbon Nanotube and Polyaniline Films on <i>n</i> -Si: Device Structure Analysis. ACS Applied Materials & Interfaces, 2012, 4, 363-368.	8.0	25
18	Versatile Catalytic System for the Large-Scale and Controlled Synthesis of Single-Wall, Double-Wall, Multi-Wall, and Graphene Carbon Nanostructures. Chemistry of Materials, 2009, 21, 5491-5498.	6.7	24

#	ARTICLE	IF	CITATIONS
19	Catalytic Conversion of Graphene into Carbon Nanotubes via Gold Nanoclusters at Low Temperatures. <i>ACS Nano</i> , 2012, 6, 501-511.	14.6	24
20	The Influence of Fe/Co/MgO Catalyst Composition on the Growth Properties of Carbon Nanotubes. <i>Particulate Science and Technology</i> , 2009, 27, 222-237.	2.1	19
21	Photovoltaic devices based on high density boron-doped single-walled carbon nanotube/n-Si heterojunctions. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	19
22	Nanocrystalline Cellulose-Derived Doped Carbonaceous Material for Rapid Mineralization of Nitrophenols under Visible Light. <i>ACS Omega</i> , 2018, 3, 8111-8121.	3.5	17
23	Synthesis of narrow diameter distribution carbon nanotubes on ZnO supported catalysts. <i>Chemical Physics Letters</i> , 2009, 473, 299-304.	2.6	16
24	Effects of the Fe/Co interaction on the growth of multiwall carbon nanotubes. <i>Journal of Chemical Physics</i> , 2008, 129, 074712.	3.0	15
25	Micro-Raman spectroscopy analysis of catalyst morphology for carbon nanotubes synthesis. <i>Chemical Physics</i> , 2008, 353, 25-31.	1.9	12
26	High-aspect ratio and horizontally oriented carbon nanotubes synthesized by RF-cCVD. <i>Diamond and Related Materials</i> , 2010, 19, 67-72.	3.9	12
27	Synthesis of tunable core-shell nanostructures based on TiO ₂ -graphene architectures and their application in the photodegradation of rhodamine dyes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 326-333.	2.7	12
28	Acid-free polyaniline:graphene-oxide hole transport layer in organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21640-21650.	2.2	11
29	Quantification of cellular associated graphene and induced surface receptor responses. <i>Nanoscale</i> , 2019, 11, 932-944.	5.6	10
30	Solar cells with graphene and carbon nanotubes on silicon. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 565-572.	2.4	9
31	Performance dependence of SWCNT/n-silicon hybrid solar cells on the charge carrier concentration in silicon substrates. <i>RSC Advances</i> , 2015, 5, 621-627.	3.6	7
32	Triplet Sensitizer Modification of Poly(3-hexylthiophene) (P3HT) for Increased Efficiency in Bulk Heterojunction Photovoltaic Devices. <i>Energy Technology</i> , 2014, 2, 604-611.	3.8	4
33	Dielectric Behavior of Poly(3-Hexylthiophene)/Carbon Nanotube Composites by Broadband Dielectric Spectroscopy. <i>IEEE Transactions on Industry Applications</i> , 2010, 46, 627-633.	4.9	3
34	Novel synthesis process for ceramic carbon nanotube nanocomposites with nanojunctions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2826-2833.	1.8	1
35	Organic/Inorganic Hybrid Photovoltaic Cells Based on Substitutionally Doped Single Wall Carbon Nanotubes. , 2010, , .		0