

Rajanish N Tiwari

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,350
citations

516215

16
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

4223
citing authors

#	ARTICLE	IF	CITATIONS
1	Low vacuum annealing of polymer at low temperatures towards direct and scalable growth of graphene. <i>Materials Research Bulletin</i> , 2018, 107, 147-153.	2.7	4
2	Electrical characterization of MIM capacitor comprises an adamantane film at room temperature. <i>AIP Advances</i> , 2016, 6, 065120.	0.6	2
3	Quenching effect of surface adsorbed ligands on luminescence of $\text{Er}^{3+}/\text{Nd}^{3+}$ nanocrystals. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 075001.	0.8	6
4	Recent progress in the development of anode and cathode catalysts for direct methanol fuel cells. <i>Nano Energy</i> , 2013, 2, 553-578.	8.2	415
5	Interconnected Pt-Nanodendrite/DNA/Reduced-Graphene-Oxide Hybrid Showing Remarkable Oxygen Reduction Activity and Stability. <i>ACS Nano</i> , 2013, 7, 9223-9231.	7.3	79
6	Reduced graphene oxide-based hydrogels for the efficient capture of dye pollutants from aqueous solutions. <i>Carbon</i> , 2013, 56, 173-182.	5.4	409
7	Thermal Transformation of Carbon Hybrid Materials to Graphene Films. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6522-6526.	4.0	3
8	Stable platinum nanoclusters on genomic DNA-coated graphene oxide with a high oxygen reduction reaction activity. <i>Nature Communications</i> , 2013, 4, 2221.	5.8	169
9	Size-dependent upconversion luminescence and quenching mechanism of $\text{LiYF}_4:\text{Er}^{3+}/\text{Yb}^{3+}$ nanocrystals with oleate ligand adsorbed. <i>Optical Materials Express</i> , 2013, 3, 989.	1.6	79
10	Size-dependent upconversion luminescence in $\text{Er}^{3+}/\text{Yb}^{3+}$ codoped LiYF_4 nano/microcrystals. , 2013, , .		1
11	Luminescence Properties of $\text{Er}^{3+}/\text{Nd}^{3+}$ Nanocrystals Dispersed in Liquid: Local Field Effect Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22545-22551.	1.5	19
12	Flame-annealing assisted synthesis of graphene films from adamantane. <i>Journal of Materials Chemistry</i> , 2012, 22, 15031.	6.7	12
13	Transformation of polymer to graphene films at partially low temperature. <i>Polymer Chemistry</i> , 2012, 3, 2712.	1.9	11
14	Zero-dimensional, one-dimensional, two-dimensional and three-dimensional nanostructured materials for advanced electrochemical energy devices. <i>Progress in Materials Science</i> , 2012, 57, 724-803.	16.0	892
15	Enhanced Nucleation and Growth of Diamond Film on Si by CVD Using a Chemical Precursor. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16063-16073.	1.5	26
16	Controlled synthesis and growth of perfect platinum nanocubes using a pair of low-resistivity fastened silicon wafers and their electrocatalytic properties. <i>Nano Research</i> , 2011, 4, 541-549.	5.8	17
17	Direct Synthesis of Vertically Interconnected 3-D Graphitic Nanosheets on Hemispherical Carbon Particles by Microwave Plasma CVD. <i>Plasmonics</i> , 2011, 6, 67-73.	1.8	24
18	Chemical Precursor for the Synthesis of Diamond Films at Low Temperature. <i>Applied Physics Express</i> , 2010, 3, 045501.	1.1	10

#	ARTICLE	IF	CITATIONS
19	The synthesis of diamond films on adamantane-coated Si substrate at low temperature. Chemical Engineering Journal, 2010, 158, 641-645.	6.6	19
20	Electrocatalytic activity of Pt nanoparticles electrodeposited on amorphous carbon-coated silicon nanocones. Journal of Power Sources, 2010, 195, 729-735.	4.0	21
21	A Promising Approach to the Synthesis of 3D Nanoporous Graphitic Carbon as a Unique Electrocatalyst Support for Methanol Oxidation. ChemSusChem, 2010, 3, 460-466.	3.6	34
22	Diamond plates on dome-like particles: preparation, characterization and field emission properties. Journal of Applied Crystallography, 2010, 43, 883-889.	1.9	2
23	Growth, microstructure, and field-emission properties of synthesized diamond film on adamantane-coated silicon substrate by microwave plasma chemical vapor deposition. Journal of Applied Physics, 2010, 107, .	1.1	19
24	Synthesis of Pt Nanopetals on Highly Ordered Silicon Nanocones for Enhanced Methanol Electrooxidation Activity. ACS Applied Materials & Interfaces, 2010, 2, 2231-2237.	4.0	39
25	Facile synthesis of continuous Pt island networks and their electrochemical properties for methanol electrooxidation. Chemical Communications, 2008, , 6516.	2.2	38