

# 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	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
2	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
3	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
4	Stable platinum nanoclusters on genomic DNA-graphene oxide with a high oxygen reduction reaction activity. <i>Nature Communications</i> , 2013, 4, 2221.	5.8	169
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	Size-dependent upconversion luminescence and quenching mechanism of LiYF <sub>4</sub> :Er <sup>3+</sup> /Yb <sup>3+</sup> nanocrystals with oleate ligand adsorbed. <i>Optical Materials Express</i> , 2013, 3, 989.	1.6	79
7	Synthesis of Pt Nanopetals on Highly Ordered Silicon Nanocones for Enhanced Methanol Electrooxidation Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2231-2237.	4.0	39
8	Facile synthesis of continuous Pt island networks and their electrochemical properties for methanol electrooxidation. <i>Chemical Communications</i> , 2008, , 6516.	2.2	38
9	A Promising Approach to the Synthesis of 3D Nanoporous Graphitic Carbon as a Unique Electrocatalyst Support for Methanol Oxidation. <i>ChemSusChem</i> , 2010, 3, 460-466.	3.6	34
10	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
11	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
12	Electrocatalytic activity of Pt nanoparticles electrodeposited on amorphous carbon-coated silicon nanocones. <i>Journal of Power Sources</i> , 2010, 195, 729-735.	4.0	21
13	The synthesis of diamond films on adamantane-coated Si substrate at low temperature. <i>Chemical Engineering Journal</i> , 2010, 158, 641-645.	6.6	19
14	Growth, microstructure, and field-emission properties of synthesized diamond film on adamantane-coated silicon substrate by microwave plasma chemical vapor deposition. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	19
15	Luminescence Properties of $\text{NaYF}_4\text{:Nd}^{3+}$ Nanocrystals Dispersed in Liquid: Local Field Effect Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22545-22551.	1.5	19
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	Flame-annealing assisted synthesis of graphene films from adamantane. <i>Journal of Materials Chemistry</i> , 2012, 22, 15031.	6.7	12
18	Transformation of polymer to graphene films at partially low temperature. <i>Polymer Chemistry</i> , 2012, 3, 2712.	1.9	11

#	ARTICLE	IF	CITATIONS
19	Chemical Precursor for the Synthesis of Diamond Films at Low Temperature. Applied Physics Express, 2010, 3, 045501.	1.1	10
20	Quenching effect of surface adsorbed ligands on luminescence of $\text{La-NaYF}_4\text{:Nd}^{3+}$ nanocrystals. Japanese Journal of Applied Physics, 2014, 53, 075001.	0.8	6
21	Low vacuum annealing of polymer at low temperatures towards direct and scalable growth of graphene. Materials Research Bulletin, 2018, 107, 147-153.	2.7	4
22	Thermal Transformation of Carbon Hybrid Materials to Graphene Films. ACS Applied Materials & Interfaces, 2013, 5, 6522-6526.	4.0	3
23	Diamond plates on dome-like particles: preparation, characterization and field emission properties. Journal of Applied Crystallography, 2010, 43, 883-889.	1.9	2
24	Electrical characterization of MIM capacitor comprises an adamantane film at room temperature. AIP Advances, 2016, 6, 065120.	0.6	2
25	Size-dependent upconversion luminescence in $\text{Er}^{3+}$ and $\text{Yb}^{3+}$ codoped $\text{LiYF}_4$ nano/microcrystals. , 2013, , .		1