

Surbhi Sharma

List of Publications by Year in descending order

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27
papers

3,813
citations

471509

17
h-index

552781

26
g-index

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all docs

27
docs citations

27
times ranked

7332
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Thermal Deoxygenation of Graphene Oxide Using High-Resolution In Situ X-ray-Based Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17009-17019.	3.1	1,271
2	Support materials for PEMFC and DMFC electrocatalysts—A review. <i>Journal of Power Sources</i> , 2012, 208, 96-119.	7.8	1,055
3	Rapid Microwave Synthesis of CO Tolerant Reduced Graphene Oxide-Supported Platinum Electrocatalysts for Oxidation of Methanol. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19459-19466.	3.1	386
4	Novel 3-D spacer all fibre piezoelectric textiles for energy harvesting applications. <i>Energy and Environmental Science</i> , 2014, 7, 1670-1679.	30.8	234
5	Exclusive self-aligned 2-phase PVDF films with abnormal piezoelectric coefficient prepared via phase inversion. <i>Chemical Communications</i> , 2015, 51, 8257-8260.	4.1	172
6	Controllable selective exfoliation of high-quality graphene nanosheets and nanodots by ionic liquid assisted grinding. <i>Chemical Communications</i> , 2012, 48, 1877.	4.1	124
7	New approaches towards novel composite and multilayer membranes for intermediate temperature-polymer electrolyte fuel cells and direct methanol fuel cells. <i>Journal of Power Sources</i> , 2016, 316, 139-159.	7.8	110
8	Electrochemical Monitoring of Nucleic Acid Hybridization by Single-Use Graphene Oxide-Based Sensor. <i>Electroanalysis</i> , 2011, 23, 272-279.	2.9	82
9	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin C—DNA interaction. <i>Analyst</i> , The, 2012, 137, 2129.	3.5	79
10	Chemical Modification of Graphene Oxide by Nitrogenation: An X-ray Absorption and Emission Spectroscopy Study. <i>Scientific Reports</i> , 2017, 7, 42235.	3.3	43
11	Streptavidin Modified Carbon Nanotube Based Graphite Electrode for Label-Free Sequence Specific DNA Detection. <i>Electroanalysis</i> , 2010, 22, 611-617.	2.9	38
12	Carboxyl Group Enhanced CO Tolerant GO Supported Pt Catalysts: DFT and Electrochemical Analysis. <i>Chemistry of Materials</i> , 2014, 26, 6142-6151.	6.7	35
13	Electrochemical and oxygen reduction properties of pristine and nitrogen-doped few layered graphene nanoflakes (FLGs). <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2139-2149.	2.5	29
14	Site-Selective, Low-Loading, Au Nanoparticle—Polyaniline Hybrid Coatings with Enhanced Corrosion Resistance and Conductivity for Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 277-286.	6.7	29
15	Pd nanoparticles supported on reduced graphene—E. coli hybrid with enhanced crystallinity in bacterial biomass. <i>RSC Advances</i> , 2015, 5, 84093-84103.	3.6	25
16	Tuning the Electronic and Magnetic Properties of Nitrogen-Functionalized Few-Layered Graphene Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14073-14082.	3.1	24
17	Study of FePt deposited reduced graphene oxide's utility as a catalyst towards oxygen reduction and methanol oxidation reactions. <i>RSC Advances</i> , 2015, 5, 36993-36998.	3.6	19
18	Nafion-stabilised bimetallic Pt—Cr nanoparticles as electrocatalysts for proton exchange membrane fuel cells (PEMFCs). <i>RSC Advances</i> , 2016, 6, 82635-82643.	3.6	15

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19	Pt Diffusion Dynamics for the Formation of Pt Core-Shell Nanoparticles. Langmuir, 2015, 31, 6917-6923.	3.5	12
20	Carbon electrodes for energy storage: general discussion. Faraday Discussions, 2014, 172, 239-260.	3.2	11
21	Exploring PANI-TiN Nanoparticle Coatings in a PEMFC Environment: Enhancing Corrosion Resistance and Conductivity of Stainless Steel Bipolar Plates. Energies, 2017, 10, 1152.	3.1	9
22	Vertical graphene nanoflakes for the immobilization, electrocatalytic oxidation and quantitative detection of DNA. Electrochemistry Communications, 2012, 25, 140-143.	4.7	7
23	Role of surface contaminants, functionalities, defects and electronic structure: general discussion. Faraday Discussions, 2014, 172, 365-395.	3.2	1
24	The Effect of Electrodeposited PANI on Corrosion Behavior of 316 Stainless Steel Coated by CVD Grown MWCNTs under PEMFC Bipolar Plate Working Condition. ECS Transactions, 2014, 63, 261-276.	0.5	1
25	Carbon electrode interfaces for synthesis, sensing and electrocatalysis: general discussion. Faraday Discussions, 2014, 172, 497-520.	3.2	1
26	Highlights from Faraday Discussion 172: Carbon in Electrochemistry, Sheffield, UK, July 2014. Chemical Communications, 2015, 51, 2199-2207.	4.1	1
27	Novel Composite Proton Exchange Membrane Materials for Intermediate Temperature Fuel Cells. Procedia Engineering, 2012, 44, 858-860.	1.2	0