

Sandesh Y Sawant

List of Publications by Year in descending order

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30
papers

953
citations

430442

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476904

29
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docs citations

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times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient removal of hazardous lead, cadmium, and arsenic from aqueous environment by iron oxide modified clay-activated carbon composite beads. <i>Applied Clay Science</i> , 2018, 162, 339-350.	2.6	162
2	Porous synthetic hectorite clay-alginate composite beads for effective adsorption of methylene blue dye from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1315-1324.	3.6	115
3	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 25.	1.8	67
4	Precursor suitability and pilot scale production of super activated carbon for greenhouse gas adsorption and fuel gas storage. <i>Chemical Engineering Journal</i> , 2017, 315, 415-425.	6.6	58
5	Three-dimensional, highly porous N-doped carbon foam as microorganism propitious, efficient anode for high performance microbial fuel cell. <i>RSC Advances</i> , 2016, 6, 25799-25807.	1.7	44
6	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 97788-97797.	1.7	39
7	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Co-precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. <i>ChemPhysChem</i> , 2015, 16, 3214-3232.	1.0	37
8	Utilization of Plastic Wastes for Synthesis of Carbon Microspheres and Their Use as a Template for Nanocrystalline Copper(II) Oxide Hollow Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1390-1397.	3.2	36
9	Formation and characterization of onions shaped carbon soot from plastic wastes. <i>Materials Letters</i> , 2013, 94, 132-135.	1.3	34
10	A low temperature bottom-up approach for the synthesis of few layered graphene nanosheets via C-C bond formation using a modified Ullmann reaction. <i>RSC Advances</i> , 2015, 5, 46589-46597.	1.7	33
11	Synthesis of submicron size hollow carbon spheres by a chemical reduction solvothermal method using carbon tetrachloride as carbon source. <i>Materials Letters</i> , 2009, 63, 2339-2342.	1.3	30
12	A dechlorination pathway for synthesis of horn shaped carbon nanotubes and its adsorption properties for CO ₂ , CH ₄ , CO and N ₂ . <i>Journal of Hazardous Materials</i> , 2012, 227-228, 317-326.	6.5	30
13	Binder-free production of 3D N-doped porous carbon cubes for efficient Pb ²⁺ removal through batch and fixed bed adsorption. <i>Journal of Cleaner Production</i> , 2017, 168, 290-301.	4.6	29
14	A solvothermal-reduction method for the production of horn shaped multi-wall carbon nanotubes. <i>Carbon</i> , 2010, 48, 668-672.	5.4	27
15	Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C core-shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 1995-2005.	1.4	27
16	A metal-free and non-precious multifunctional 3D carbon foam for high-energy density supercapacitors and enhanced power generation in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 431-440.	2.9	27
17	Solid-state dechlorination pathway for the synthesis of few layered functionalized carbon nanosheets and their greenhouse gas adsorptivity over CO and N ₂ . <i>Carbon</i> , 2014, 68, 210-220.	5.4	26
18	Carbothermal process-derived porous N-doped carbon for flexible energy storage: Influence of carbon surface area and conductivity. <i>Chemical Engineering Journal</i> , 2019, 378, 122158.	6.6	19

#	ARTICLE	IF	CITATIONS
19	Microbial fuel cell-assisted biogenic synthesis of gold nanoparticles and its application to energy production and hydrogen peroxide detection. Korean Journal of Chemical Engineering, 2020, 37, 1241-1250.	1.2	16
20	Facile hard template approach for synthetic hectorite hollow microspheres. Materials Letters, 2014, 128, 121-124.	1.3	15
21	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO ₂ nanorods for sunlight-induced photoelectrochemical water splitting. Journal of Industrial and Engineering Chemistry, 2019, 69, 48-56.	2.9	14
22	Hydrogen Evolution Reaction by Atomic Layer Deposited MoN _x on Porous Carbon Substrates: The Effects of Porosity and Annealing on Catalyst Activity and Stability. ChemSusChem, 2020, 13, 4159-4168.	3.6	14
23	Facile and single-step route towards ZnO@C core-shell nanoparticles as an oxygen vacancy induced visible light active photocatalyst using the thermal decomposition of Zn(an) ₂ (NO ₃) ₂ . RSC Advances, 2016, 6, 70644-70652.	1.7	13
24	Ultralow Loading (Single Atom and Clusters) of the Pt Catalyst by Atomic Layer Deposition Using Dimethyl ((3,4-dimethylbutene-1-yl)amine) Platinum (DDAP) on the High Surface Area Substrate for Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2001508.	1.9	13
25	Pilot-scale produced super activated carbon with a nanoporous texture as an excellent adsorbent for the efficient removal of metanil yellow. Powder Technology, 2018, 333, 243-251.	2.1	9
26	Preparation of activated carbon incorporated polysulfone membranes for dye separation. Membrane Water Treatment, 2016, 7, 477-493.	0.5	6
27	Eco-friendly, catalyst-free synthesis of highly pure carbon spheres using vegetable oils as a renewable source and their application as a template for ZnO and MgO hollow spheres. RSC Advances, 2015, 5, 57114-57121.	1.7	5
28	Eco-friendly, green and sustainable endo-templated in-situ synthesis of MgO-incorporated carbon from sea salt: An efficient heterogeneous base catalyst. Materials Letters, 2017, 187, 72-75.	1.3	4
29	Development of Suitable Anode Materials for Microbial Fuel Cells. , 2018, , 101-124.		3
30	Greenhouse Gas Adsorptivity of Horn-Shaped Carbon Nanotubes over Nitrogen: Equilibrium Study. Separation Science and Technology, 2014, 49, 1227-1234.	1.3	1