Sandesh Y Sawant

List of Publications by Year
in descending order

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30 papers	953 citations	430874 18 h-index	477307 29 g-index
30 all docs	30 docs citations	30 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. Applied Clay Science, 2018, 162, 339-350.	5.2	162
2	Porous synthetic hectorite clay-alginate composite beads for effective adsorption of methylene blue dye from aqueous solution. International Journal of Biological Macromolecules, 2018, 114, 1315-1324.	7.5	115
3	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. International Journal of Molecular Sciences, 2017, 18, 25.	4.1	67
4	Precursor suitability and pilot scale production of super activated carbon for greenhouse gas adsorption and fuel gas storage. Chemical Engineering Journal, 2017, 315, 415-425.	12.7	58
5	Three-dimensional, highly porous N-doped carbon foam as microorganism propitious, efficient anode for high performance microbial fuel cell. RSC Advances, 2016, 6, 25799-25807.	3.6	44
6	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. RSC Advances, 2015, 5, 97788-97797.	3.6	39
7	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Coâ€Precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. ChemPhysChem, 2015, 16, 3214-3232.	2.1	37
8	Utilization of Plastic Wastes for Synthesis of Carbon Microspheres and Their Use as a Template for Nanocrystalline Copper(II) Oxide Hollow Spheres. ACS Sustainable Chemistry and Engineering, 2013, 1, 1390-1397.	6.7	36
9	Formation and characterization of onions shaped carbon soot from plastic wastes. Materials Letters, 2013, 94, 132-135.	2.6	34
10	A low temperature bottom-up approach for the synthesis of few layered graphene nanosheets via Câ€“C bond formation using a modified Ullmann reaction. RSC Advances, 2015, 5, 46589-46597.	3.6	33
11	Synthesis of submicron size hollow carbon spheres by a chemical reduction â€” solvothermal method using carbon tetrachloride as carbon source. Materials Letters, 2009, 63, 2339-2342.	2.6	30
12	A dechlorination pathway for synthesis of horn shaped carbon nanotubes and its adsorption properties for CO2, CH4, CO and N2. Journal of Hazardous Materials, 2012, 227-228, 317-326.	12.4	30
13	Binder-free production of 3D N-doped porous carbon cubes for efficient Pb2+ removal through batch and fixed bed adsorption. Journal of Cleaner Production, 2017, 168, 290-301.	9.3	29
14	A solvothermal-reduction method for the production of horn shaped multi-wall carbon nanotubes. Carbon, 2010, 48, 668-672.	10.3	27
15	Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C coreâ€“shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. New Journal of Chemistry, 2018, 42, 1995-2005.	2.8	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. Journal of Industrial and Engineering Chemistry, 2018, 60, 431-440.	5.8	27
17	Solid-state dechlorination pathway for the synthesis of few layered functionalized carbon nanosheets and their greenhouse gas adsorptivity over CO and N2. Carbon, 2014, 68, 210-220.	10.3	26
18	Carbothermal process-derived porous N-doped carbon for flexible energy storage: Influence of carbon surface area and conductivity. Chemical Engineering Journal, 2019, 378, 122158.	12.7	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.	2.7	16
20	Facile hard template approach for synthetic hectorite hollow microspheres. Materials Letters, 2014, 128, 121-124.	2.6	15
21	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO2 nanorods for sunlight-induced photoelectrochemical water splitting. Journal of Industrial and Engineering Chemistry, 2019, 69, 48-56.	5.8	14
22	Hydrogen Evolution Reaction by Atomic Layerâ€Deposited MoN_x on Porous Carbon Substrates: The Effects of Porosity and Annealing on Catalyst Activity and Stability. ChemSusChem, 2020, 13, 4159-4168.	6.8	14
23	Facile and single-step route towards ZnO@C coreâ€“shell nanoparticles as an oxygen vacancy induced visible light active photocatalyst using the thermal decomposition of Zn(an)2(NO3)2. RSC Advances, 2016, 6, 70644-70652.	3.6	13
24	Ultralow Loading (Singleâ€Atom and Clusters) of the Pt Catalyst by Atomic Layer Deposition Using Dimethyl ((3,4â€‘N,Nâ€dimethylâ€3â€butèneâ€1â€amineâ€N) Platinum (DDAP) on the Highâ€Surfaceâ€Area Substrate for Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2001508.	3.7	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.	4.2	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.	3.6	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.	2.6	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.	2.5	1