

Sandesh Y Sawant

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultralow Loading (Single-Atom and Clusters) of the Pt Catalyst by Atomic Layer Deposition Using Dimethyl ((3,4- <i>N,N</i>)-dimethyl-3-butene-1-amine) Platinum (DDAP) on the High-Surface-Area Substrate for Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001508.	3.7	13
2	Hydrogen Evolution Reaction by Atomic Layer-Deposited MoN on Porous Carbon Substrates: The Effects of Porosity and Annealing on Catalyst Activity and Stability. <i>ChemSusChem</i> , 2020, 13, 4159-4168.	6.8	14
3	Microbial fuel cell-assisted biogenic synthesis of gold nanoparticles and its application to energy production and hydrogen peroxide detection. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1241-1250.	2.7	16
4	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.	12.7	19
5	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO ₂ nanorods for sunlight-induced photoelectrochemical water splitting. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 48-56.	5.8	14
6	Pilot-scale produced super activated carbon with a nanoporous texture as an excellent adsorbent for the efficient removal of metanil yellow. <i>Powder Technology</i> , 2018, 333, 243-251.	4.2	9
7	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.	7.5	115
8	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.	2.8	27
9	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.	5.8	27
10	Development of Suitable Anode Materials for Microbial Fuel Cells. , 2018, , 101-124.		3
11	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.	5.2	162
12	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.	12.7	58
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.	9.3	29
14	Eco-friendly, green and sustainable endo-templated in-situ synthesis of MgO-incorporated carbon from sea salt: An efficient heterogeneous base catalyst. <i>Materials Letters</i> , 2017, 187, 72-75.	2.6	4
15	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.	4.1	67
16	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 . <i>RSC Advances</i> , 2016, 6, 70644-70652.	3.6	13
17	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.	3.6	44
18	Preparation of activated carbon incorporated polysulfone membranes for dye separation. <i>Membrane Water Treatment</i> , 2016, 7, 477-493.	0.5	6

#	ARTICLE	IF	CITATIONS
19	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Co-precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. ChemPhysChem, 2015, 16, 3214-3232.	2.1	37
20	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
21	A low temperature bottom-up approach for the synthesis of few layered graphene nanosheets via C-C bond formation using a modified Ullmann reaction. RSC Advances, 2015, 5, 46589-46597.	3.6	33
22	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. RSC Advances, 2015, 5, 97788-97797.	3.6	39
23	Greenhouse Gas Adsorptivity of Horn-Shaped Carbon Nanotubes over Nitrogen: Equilibrium Study. Separation Science and Technology, 2014, 49, 1227-1234.	2.5	1
24	Facile hard template approach for synthetic hectorite hollow microspheres. Materials Letters, 2014, 128, 121-124.	2.6	15
25	Solid-state dechlorination pathway for the synthesis of few layered functionalized carbon nanosheets and their greenhouse gas adsorptivity over CO and N ₂ . Carbon, 2014, 68, 210-220.	10.3	26
26	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
27	Formation and characterization of onions shaped carbon soot from plastic wastes. Materials Letters, 2013, 94, 132-135.	2.6	34
28	A dechlorination pathway for synthesis of horn shaped carbon nanotubes and its adsorption properties for CO ₂ , CH ₄ , CO and N ₂ . Journal of Hazardous Materials, 2012, 227-228, 317-326.	12.4	30
29	A solvothermal-reduction method for the production of horn shaped multi-wall carbon nanotubes. Carbon, 2010, 48, 668-672.	10.3	27
30	Synthesis of submicron size hollow carbon spheres by a chemical reduction " solvothermal method using carbon tetrachloride as carbon source. Materials Letters, 2009, 63, 2339-2342.	2.6	30