Rohit Srivastava

List of Publications by Year
in descending order

24 papers	625 citations	758635 12 h-index	676716 22 g-index
26 all docs	26 docs citations	26 times ranked	838 citing authors

#	Article	IF	Citations
1	Catalytic co-pyrolysis of paper biomass and plastic mixtures (HDPE (high density polyethylene), PP) Tj ETQq1 1 0.784314 rgBT /Overlock	4.5	179
2	Utilization of zeolites as CO2 capturing agents: Advances and future perspectives. Journal of CO2 Utilization, 2020, 41, 101251.	3.3	163
3	Highly luminescent chitosan-l-cysteine functionalized CdTe quantum dots film: Synthesis and characterization. Carbohydrate Polymers, 2013, 97, 327-334.	5.1	46
4	4-(Ethoxycarbonyl) phenyl-1-amino-oxobutanoic acidâ€“chitosan complex as a new matrix for silver nanocomposite film: Preparation, characterization and antibacterial activity. International Journal of Biological Macromolecules, 2011, 49, 863-870.	3.6	37
5	Ni-doped TiO2 hollow spheres as electrocatalysts in water electrolysis for hydrogen and oxygen production. Journal of Applied Electrochemistry, 2013, 43, 279-287.	1.5	23
6	Flow chemistry controls self-assembly and cargo in Belousov-Zhabotinsky driven polymerization-induced self-assembly. Communications Chemistry, 2019, 2, .	2.0	18
7	Electrochemical performance of Ni/TiO2 hollow sphere in proton exchange membrane water electrolyzers system. Korean Journal of Chemical Engineering, 2013, 30, 1571-1577.	1.2	16
8	MxOy/M/graphene coated multi-shelled nano-sphere as Bi-functional electrocatalysts for hydrogen and oxygen evolution. International Journal of Hydrogen Energy, 2021, 46, 341-356.	3.8	16
9	Ni Nano-particle Encapsulated in Hollow Carbon Sphere Electrocatalyst in Polymer Electrolyte Membrane Water Electrolyzer. Electrochimica Acta, 2015, 167, 429-438.	2.6	15
10	Transition metal based ternary hierarchical metal sulphide microspheres as electrocatalyst for splitting of water into hydrogen and oxygen fuel. Catalysis Today, 2022, 397-399, 618-630.	2.2	15
11	Utilization of bio-inspired catalyst for CO2 reduction into green fuels: Recent advancement and future perspectives. Journal of CO2 Utilization, 2021, 53, 101748.	3.3	15
12	Metal hollow sphere electrocatalysts. Korean Journal of Chemical Engineering, 2016, 33, 1514-1529.	1.2	14
13	Recent Advances in Electrochemical Water Splitting and Reduction of CO₂ into Green Fuels on 2D Phosphoreneâ€Based Catalyst. Energy Technology, 2021, 9, .	1.8	14
14	Chemical Functionalization of 2D Black Phosphorus toward Its Applications in Energy Devices and Catalysis: A Review. Energy Technology, 2021, 9, 2100581.	1.8	12
15	Feed rate noise modulates autocatalysis and shapes the oscillations of the Belousovâ€“Zhabotinsky reaction in a continuous stirred tank reactor. Reaction Chemistry and Engineering, 2018, 3, 216-226.	1.9	9
16	Highly efficient ternary hierarchical NiV2S4 nanosphere as hydrogen evolving electrocatalyst. International Journal of Hydrogen Energy, 2020, 45, 21308-21318.	3.8	8
17	Enhanced electrocatalytic performance of Moâ€“Ni encapsulated in onion-like carbon nano-capsules. Journal of Applied Electrochemistry, 2020, 50, 207-216.	1.5	6
18	Chaos in a chemical system. European Physical Journal: Special Topics, 2013, 222, 777-783.	1.2	5

#	Article	IF	Citations
19	Functionalized Nanoparticles and Chitosan-Based Functional Nanomaterials. Advances in Polymer Science, 2012, , 1-50.	0.4	4
20	Self-organized nanostructured spherulitic crystal pattern formation in Belousovâ€“Zhabotinsky type reaction system. Chemical Physics, 2013, 426, 59-73.	0.9	4
21	Synthesis and energy applications of m <scp>ultiâ€shell</scp> micro/n <scp>anoâ€spheres</scp>. International Journal of Energy Research, 2021, 45, 14389-14413.	2.2	4
22	Nanostructured diffusion-limited-aggregation crystal pattern formation in a reactive microemulsion system. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 015018.	0.7	2
23	Hollow Carbon Nano-spheres: A Step Toward Energy Applications. , 2017, , 71-96.		0
24	Design and Fabrication of Nanomaterial-Based Device for Pressure Sensorial Applications. , 2017, , 1-14.		0