

Radheshyam R Pawar

List of Publications by Year in descending order

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35
papers

1,639
citations

257450

24
h-index

414414

32
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all docs

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docs citations

35
times ranked

2118
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, and application of MOF@clay composite as a visible light-driven photocatalyst for Rhodamine B degradation. <i>Chemosphere</i> , 2022, 291, 132922.	8.2	20
2	A new perspective of functionalized MWCNT incorporated thin film nanocomposite hollow fiber membranes for the separation of various gases. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104774.	6.7	40
3	Use of activated bentonite-alginate composite beads for efficient removal of toxic Cu ²⁺ and Pb ²⁺ ions from aquatic environment. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3145-3154.	7.5	36
4	Synthesis and characterization of nylon 6 polymer nanocomposite using organically modified Indian bentonite. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	6
5	Energy-resolved distribution of electron traps for O/S-doped carbon nitrides by reversed double-beam photoacoustic spectroscopy and the photocatalytic reduction of Cr(VI). <i>Chemical Communications</i> , 2020, 56, 3793-3796.	4.1	28
6	Development of thin film nanocomposite membrane incorporated with mesoporous synthetic hectorite and MSH@UiO-66-NH ₂ nanoparticles for efficient targeted feeds separation, and antibacterial performance. <i>Journal of Membrane Science</i> , 2020, 609, 118212.	8.2	82
7	Template free mild hydrothermal synthesis of core-shell Cu ₂ O(Cu)@CuO visible light photocatalysts for <i>N</i> -acetyl- <i>p</i> -aminophenol degradation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20767-20777.	10.3	46
8	Synthesis of Saponite Based Nanocomposites to Improve the Controlled Oral Drug Release of Model Drug Quinine Hydrochloride Dihydrate. <i>Pharmaceuticals</i> , 2019, 12, 105.	3.8	16
9	Dye-sensitized Photocatalyst of Sepiolite for Organic Dye Degradation. <i>Catalysts</i> , 2019, 9, 235.	3.5	36
10	Synthesis of immobilized cerium doped ZnO nanoparticles through the mild hydrothermal approach and their application in the photodegradation of synthetic wastewater. <i>Journal of Molecular Liquids</i> , 2019, 280, 230-237.	4.9	25
11	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
12	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
13	Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 201-211.	3.9	21
14	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
15	Iron-oxide modified sericite alginate beads: A sustainable adsorbent for the removal of As(V) and Pb(II) from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2017, 240, 497-503.	4.9	42
16	Response surface methodology (RSM) optimization approach for degradation of Direct Blue 71 dye using CuO@ZnO nanocomposite. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2067-2076.	3.5	48
17	Arsenate and phosphate removal from water using Fe-sericite composite beads in batch and fixed-bed systems. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 375-383.	5.8	41
18	Thin film nanocomposite (TFN) hollow fiber membranes incorporated with functionalized acid-activated bentonite (ABn-NH) clay: towards enhancement of water vapor permeance and selectivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20947-20958.	10.3	61

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19	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
20	Fe-sericite-alginate composite beads: Preparation characterization and eco-friendly application for removal of arsenate and lead from petroleum industry wastewater. , 2017, , .		0
21	Al-intercalated acid activated bentonite beads for the removal of aqueous phosphate. <i>Science of the Total Environment</i> , 2016, 572, 1222-1230.	8.0	60
22	Enhanced biomass production through optimization of carbon source and utilization of wastewater as a nutrient source. <i>Journal of Environmental Management</i> , 2016, 184, 585-595.	7.8	67
23	Activated bentonite as a low-cost adsorbent for the removal of Cu(II) and Pb(II) from aqueous solutions: Batch and column studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 213-223.	5.8	173
24	Preparation of activated carbon incorporated polysulfone membranes for dye separation. <i>Membrane Water Treatment</i> , 2016, 7, 477-493.	0.5	6
25	Clay catalysed rapid valorization of glycerol towards cyclic acetals and ketals. <i>RSC Advances</i> , 2015, 5, 83985-83996.	3.6	27
26	Microwave-assisted rapid valorization of glycerol towards acetals and ketals. <i>Chemical Engineering Journal</i> , 2014, 235, 61-66.	12.7	47
27	Facile hard template approach for synthetic hectorite hollow microspheres. <i>Materials Letters</i> , 2014, 128, 121-124.	2.6	15
28	Porous synthetic hectorites for selective adsorption of carbon dioxide over nitrogen, methane, carbon monoxide and oxygen. <i>Applied Clay Science</i> , 2014, 91-92, 63-69.	5.2	25
29	Template free synthesis of mesoporous hectorites: Efficient host for pH responsive drug delivery. <i>International Journal of Pharmaceutics</i> , 2013, 446, 145-152.	5.2	29
30	Adsorption of an anionic dye from aqueous medium by organoclays: equilibrium modeling, kinetic and thermodynamic exploration. <i>RSC Advances</i> , 2012, 2, 8663.	3.6	201
31	Mesoporous synthetic hectorites: A versatile layered host with drug delivery application. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 542-548.	4.4	42
32	Mechanical and thermal properties of polypropylene nanocomposites using organically modified Indian bentonite. <i>Polymer Composites</i> , 2010, 31, 399-404.	4.6	6
33	Selective adsorption of carbon dioxide over nitrogen on calcined synthetic hectorites with tailor-made porosity. <i>Applied Clay Science</i> , 2009, 46, 109-113.	5.2	56
34	Photocatalytic performance of chromium-doped TiO ₂ nanoparticles for degradation of Reactive Black 5 under natural sunlight illumination. , 0, 67, 324-331.		8
35	Synthesis and characterization of barium-doped TiO ₂ nanocrystals for photocatalytic degradation of Acid Red 18 under solar irradiation. , 0, 88, 200-206.		14