

Pradip B Sarawade

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5299732/publications.pdf>

Version: 2024-02-01

62
papers

2,169
citations

201674

27
h-index

233421

45
g-index

62
all docs

62
docs citations

62
times ranked

2606
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in highly active nanostructured NiFe LDH catalyst for electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3180-3208.	10.3	224
2	Dendritic Tip-on Polytriazine-Based Carbon Nitride Photocatalyst with High Hydrogen Evolution Activity. <i>Chemistry of Materials</i> , 2015, 27, 8237-8247.	6.7	140
3	High specific surface area TEOS-based aerogels with large pore volume prepared at an ambient pressure. <i>Applied Surface Science</i> , 2007, 254, 574-579.	6.1	139
4	Production of low-density sodium silicate-based hydrophobic silica aerogel beads by a novel fast gelation process and ambient pressure drying process. <i>Solid State Sciences</i> , 2010, 12, 911-918.	3.2	123
5	Nanostructured Metal Phosphide Based Catalysts for Electrochemical Water Splitting: A Review. <i>Small</i> , 2022, 18, e2107572.	10.0	100
6	Nitridated Fibrous Silica (KCC-1) as a Sustainable Solid Base Nanocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1192-1199.	6.7	99
7	Effective water disinfection using silver nanoparticle containing silica beads. <i>Applied Surface Science</i> , 2013, 266, 280-287.	6.1	88
8	Sol-gel synthesis of sodium silicate and titanium oxychloride based TiO ₂ -SiO ₂ aerogels and their photocatalytic property under UV irradiation. <i>Chemical Engineering Journal</i> , 2013, 231, 502-511.	12.7	71
9	Low-density TEOS-based silica aerogels prepared at ambient pressure using isopropanol as the preparative solvent. <i>Journal of Alloys and Compounds</i> , 2009, 487, 744-750.	5.5	66
10	Synthesis of sodium silicate-based hydrophilic silica aerogel beads with superior properties: Effect of heat-treatment. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2156-2162.	3.1	66
11	Palladium Nanoparticles Supported on Fibrous-Structured Silica Nanospheres (KCC-1): An Efficient and Selective Catalyst for the Transfer Hydrogenation of Alkenes. <i>ChemCatChem</i> , 2015, 7, 635-642.	3.7	66
12	Synthesis of hydrophilic and hydrophobic xerogels with superior properties using sodium silicate. <i>Microporous and Mesoporous Materials</i> , 2011, 139, 138-147.	4.4	64
13	Preparation of hydrophobic mesoporous silica powder with a high specific surface area by surface modification of a wet-gel slurry and spray-drying. <i>Powder Technology</i> , 2010, 197, 288-294.	4.2	54
14	Shape- and Morphology-Controlled Sustainable Synthesis of Cu, Co, and In Metal Organic Frameworks with High CO ₂ Capture Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 66-74.	6.7	54
15	Synthesis of mesoporous silica with superior properties suitable for green tire. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1841-1844.	5.8	53
16	Preparation of silver nanoparticle containing silica micro beads and investigation of their antibacterial activity. <i>Applied Surface Science</i> , 2011, 257, 6963-6970.	6.1	52
17	Gold Nanoparticles Supported on Fibrous Silica Nanospheres (KCC-1) as Efficient Heterogeneous Catalysts for CO Oxidation. <i>ChemCatChem</i> , 2016, 8, 1671-1678.	3.7	50
18	Preparation of amino functionalized silica micro beads by dry method for supporting silver nanoparticles with antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 389, 118-126.	4.7	48

#	ARTICLE	IF	CITATIONS
19	Recovery of high surface area mesoporous silica from waste hexafluorosilicic acid (H ₂ SiF ₆) of fertilizer industry. <i>Journal of Hazardous Materials</i> , 2010, 173, 576-580.	12.4	45
20	Effect of various structure directing agents on the physicochemical properties of the silica aerogels prepared at an ambient pressure. <i>Applied Surface Science</i> , 2013, 287, 84-90.	6.1	43
21	Effect of drying technique on the physicochemical properties of sodium silicate-based mesoporous precipitated silica. <i>Applied Surface Science</i> , 2011, 258, 955-961.	6.1	34
22	Rapid synthesis of homogeneous titania-silica composite with high-BET surface area. <i>Powder Technology</i> , 2010, 199, 284-288.	4.2	33
23	Enhancement of porosity of sodium silicate and titanium oxychloride based TiO ₂ -SiO ₂ systems synthesized by sol-gel process and their photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 111-121.	4.4	32
24	Influence of aging conditions on textural properties of water-glass-based silica aerogels prepared at ambient pressure. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1301-1309.	2.7	31
25	Facile route for preparation of silver nanoparticle-coated precipitated silica. <i>Applied Surface Science</i> , 2011, 257, 4250-4256.	6.1	31
26	Synthesis and characterization of micrometer-sized silica aerogel nanoporous beads. <i>Materials Letters</i> , 2012, 81, 37-40.	2.6	30
27	Size- and Shape-Controlled Synthesis of Hexagonal Bipyramidal Crystals and Hollow Self-Assembled Al-MOF Spheres. <i>ChemSusChem</i> , 2014, 7, 529-535.	6.8	30
28	Influence of Solvent Exchange on the Physical Properties of Sodium Silicate Based Aerogel Prepared at Ambient Pressure. <i>Aerosol and Air Quality Research</i> , 2006, 6, 93-105.	2.1	29
29	Titania-silica composites with less aggregated particles. <i>Powder Technology</i> , 2009, 196, 286-291.	4.2	26
30	Preparation of amino-functionalized silica for copper removal from an aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 83-87.	5.8	23
31	Silver-doped silica powder with antibacterial properties. <i>Powder Technology</i> , 2012, 215-216, 219-222.	4.2	22
32	Effect of the gelation on the properties of precipitated silica powder produced by acidizing sodium silicate solution at the pilot scale. <i>Chemical Engineering Journal</i> , 2012, 209, 531-536.	12.7	19
33	Mesoporous titania-silica composite from sodium silicate and titanium oxychloride. Part I: grafting method. <i>Journal of Materials Science</i> , 2010, 45, 1255-1263.	3.7	18
34	Synthesis of silver nanoparticles within the pores of functionalized-free silica beads: The effect of pore size and porous structure. <i>Materials Letters</i> , 2012, 68, 350-353.	2.6	17
35	Fast microwave-induced synthesis of solid cobalt hydroxide nanorods and their thermal conversion into porous cobalt oxide nanorods for efficient oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1713-1719.	4.9	17
36	Transport of black carbon from planetary boundary layer to free troposphere during the summer monsoon over South Asia. <i>Atmospheric Research</i> , 2020, 235, 104761.	4.1	15

#	ARTICLE	IF	CITATIONS
37	Mesoporous titania-silica composite from sodium silicate and titanium oxychloride. Part II: one-pot co-condensation method. <i>Journal of Materials Science</i> , 2010, 45, 1264-1271.	3.7	12
38	Quantitative recovery of high purity nanoporous silica from waste products of the phosphate fertilizer industry. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 63-67.	5.8	12
39	Investigations of optical and thermal response of polymer dispersed binary liquid crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 646, 183-193.	0.9	11
40	Carbonaceous Aerosol From Open Burning and its Impact on Regional Weather in South Asia. <i>Aerosol and Air Quality Research</i> , 2020, , .	2.1	10
41	Influence of annealing conditions on the properties of reinforced silver-embedded silica matrix from the cheap silica source. <i>Applied Surface Science</i> , 2010, 256, 2849-2855.	6.1	8
42	Effect of polymer concentration on optical and electrical properties of liquid crystals for photonic applications. <i>Materials Today: Proceedings</i> , 2022, 62, 7035-7039.	1.8	8
43	Reinforced silver-embedded silica matrix from the cheap silica source for the controlled release of silver ions. <i>Applied Surface Science</i> , 2009, 255, 8239-8245.	6.1	7
44	Synthesis of light weight recron fiber-reinforced sodium silicate based silica aerogel blankets at an ambient pressure for thermal protection. <i>Journal of Porous Materials</i> , 2022, 29, 957-969.	2.6	7
45	Two-step rapid synthesis of mesoporous silica for green tire. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1643-1646.	2.7	6
46	BET study of silver-doped silica based on an inexpensive method. <i>Materials Letters</i> , 2012, 80, 168-170.	2.6	6
47	Study of the optical, thermal, and mechanical properties of nematic liquid crystal elastomers. <i>Journal of Information Display</i> , 2016, 17, 169-176.	4.0	6
48	The influence of polymer on optical and thermal properties of nematic liquid crystals. <i>Journal of Physics: Conference Series</i> , 2021, 2070, 012055.	0.4	5
49	High surface area Nanoflakes of P-gC3N4 photocatalyst loaded with Ag nanoparticle with intraplanar and interplanar charge separation for environmental remediation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 408, 113098.	3.9	4
50	Fine-tuning the water oxidation performance of hierarchical Co3O4 nanostructures prepared from different cobalt precursors. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1120-1128.	4.9	4
51	Synthesis and characterization of bimodal silver nanoparticles by using semi-batch method. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1830-1833.	5.8	3
52	Thermo optical study of nematic liquid crystal doped with ferrofluid. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
53	Photocatalytic activity of nanostructured TiO2 and N-TiO2 thin films deposited onto glass using CA-PVD technique. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
54	Vertical Distribution of Aerosols during Deep-Convective Event in the Himalaya Using WRF-Chem Model at Convection Permitting Scale. <i>Atmosphere</i> , 2021, 12, 1092.	2.3	1

#	ARTICLE	IF	CITATIONS
55	Facile Synthesis and Morphologyâ€Dependent Photocatalytic Activity of ZnO Nanostructures. Macromolecular Symposia, 2021, 400, 2100142.	0.7	1
56	Synthesis, Characterization, and Photocatalytic Activity of NiO Nanoflowers. Macromolecular Symposia, 2021, 400, 2100144.	0.7	1
57	Wavelength and temperature dependent refractive index of polymer dispersed nematic liquid crystal. , 2022, , .		1
58	Optical properties of thermotropic liquid crystal dispersed with conducting polymer. Materials Today: Proceedings, 2022, 65, 3453-3460.	1.8	1
59	Influence of reaction conditions on the properties of sodium alumino silicate synthesized by simultaneous addition of precursors. Journal of Non-Crystalline Solids, 2010, 356, 1466-1469.	3.1	0
60	TEM Investigations of Pt-NPs Loaded Fibrous Nano-Catalyst Support KCC-1. Microscopy and Microanalysis, 2014, 20, 174-175.	0.4	0
61	Effect of CNT on Liquid Crystal Elastomer. , 2015, , .		0
62	Synthesis and characterization of nanoporous silica aerogel beads using cheap industrial grade sodium silicate precursor. AIP Conference Proceedings, 2018, , .	0.4	0