Pradip B Sarawade

List of Publications by Year
in descending order

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		201674	233421
62	2,169	27	45
papers	citations	h-index	g-index

62	62	62	2606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of polymer concentration on optical and electrical properties of liquid crystals for photonic applications. Materials Today: Proceedings, 2022, 62, 7035-7039.	1.8	8
2	Synthesis of light weight recron fiber-reinforced sodium silicate based silica aerogel blankets at an ambient pressure for thermal protection. Journal of Porous Materials, 2022, 29, 957-969.	2.6	7
3	Nanostructured Metal Phosphide Based Catalysts for Electrochemical Water Splitting: A Review. Small, 2022, 18, e2107572.	10.0	100
4	Wavelength and temperature dependent refractive index of polymer dispersed nematic liquid crystal. , 2022, , .		1
5	Optical properties of thermotropic liquid crystal dispersed with conducting polymer. Materials Today: Proceedings, 2022, 65, 3453-3460.	1.8	1
6	High surface area Nanoflakes of P-gC3N4 photocatalyst loaded with Ag nanoparticle with intraplanar and interplanar charge separation for environmental remediation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 408, 113098.	3.9	4
7	Fine-tuning the water oxidation performance of hierarchical Co3O4 nanostructures prepared from different cobalt precursors. Sustainable Energy and Fuels, 2021, 5, 1120-1128.	4.9	4
8	Recent advances in highly active nanostructured NiFe LDH catalyst for electrochemical water splitting. Journal of Materials Chemistry A, 2021, 9, 3180-3208.	10.3	224
9	Vertical Distribution of Aerosols during Deep-Convective Event in the Himalaya Using WRF-Chem Model at Convection Permitting Scale. Atmosphere, 2021, 12, 1092.	2.3	1
10	The influence of polymer on optical and thermal properties of nematic liquid crystals. Journal of Physics: Conference Series, 2021, 2070, 012055.	0.4	5
11	Facile Synthesis and Morphologyâ€Đependent Photocatalytic Activity of ZnO Nanostructures. Macromolecular Symposia, 2021, 400, 2100142.	0.7	1
12	Synthesis, Characterization, and Photocatalytic Activity of NiO Nanoflowers. Macromolecular Symposia, 2021, 400, 2100144.	0.7	1
13	Transport of black carbon from planetary boundary layer to free troposphere during the summer monsoon over South Asia. Atmospheric Research, 2020, 235, 104761.	4.1	15
14	Carbonaceous Aerosol From Open Burning and its Impact on Regional Weather in South Asia. Aerosol and Air Quality Research, 2020, , .	2.1	10
15	Photocatalytic activity of nanostructured TiO2 and N-TiO2 thin films deposited onto glass using CA-PVD technique. AIP Conference Proceedings, 2019, , .	0.4	1
16	Fast microwave-induced synthesis of solid cobalt hydroxide nanorods and their thermal conversion into porous cobalt oxide nanorods for efficient oxygen evolution reaction. Sustainable Energy and Fuels, 2019, 3, 1713-1719.	4.9	17
17	Synthesis and characterization of nanoporous silica aerogel beads using cheap industrial grade sodium silacte precursor. AIP Conference Proceedings, 2018, , .	0.4	0
18	Thermo optical study of nematic liquid crystal doped with ferrofluid. AIP Conference Proceedings, 2017, , .	0.4	2

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19	Investigations of optical and thermal response of polymer dispersed binary liquid crystals. Molecular Crystals and Liquid Crystals, 2017, 646, 183-193.	0.9	11
20	Gold Nanoparticles Supported on Fibrous Silica Nanospheres (KCCâ€1) as Efficient Heterogeneous Catalysts for CO Oxidation. ChemCatChem, 2016, 8, 1671-1678.	3.7	50
21	Study of the optical, thermal, and mechanical properties of nematic liquid crystal elastomers. Journal of Information Display, 2016, 17, 169-176.	4.0	6
22	Effect of CNT on Liquid Crystal Elastomer. , 2015, , .		0
23	Palladium Nanoparticles Supported on Fibrousâ€Structured Silica Nanospheres (KCCâ€1): An Efficient and Selective Catalyst for the Transfer Hydrogenation of Alkenes. ChemCatChem, 2015, 7, 635-642.	3.7	66
24	Dendritic Tip-on Polytriazine-Based Carbon Nitride Photocatalyst with High Hydrogen Evolution Activity. Chemistry of Materials, 2015, 27, 8237-8247.	6.7	140
25	Synthesis and characterization of bimodal silver nanoparticles by using semi-batch method. Journal of Industrial and Engineering Chemistry, 2014, 20, 1830-1833.	5.8	3
26	Sizeâ€and Shapeâ€Controlled Synthesis of Hexagonal Bipyramidal Crystals and Hollow Selfâ€Assembled Alâ€MOF Spheres. ChemSusChem, 2014, 7, 529-535.	6.8	30
27	TEM Investigations of Pt-NPs Loaded Fibrous Nano-Catalyst Support KCC-1. Microscopy and Microanalysis, 2014, 20, 174-175.	0.4	0
28	Nitridated Fibrous Silica (KCC-1) as a Sustainable Solid Base Nanocatalyst. ACS Sustainable Chemistry and Engineering, 2013, 1, 1192-1199.	6.7	99
29	Effect of various structure directing agents on the physicochemical properties of the silica aerogels prepared at an ambient pressure. Applied Surface Science, 2013, 287, 84-90.	6.1	43
30	Effective water disinfection using silver nanoparticle containing silica beads. Applied Surface Science, 2013, 266, 280-287.	6.1	88
31	Solâ€“gel synthesis of sodium silicate and titanium oxychloride based TiO2â€“SiO2 aerogels and their photocatalytic property under UV irradiation. Chemical Engineering Journal, 2013, 231, 502-511.	12.7	71
32	Shape- and Morphology-Controlled Sustainable Synthesis of Cu, Co, and In Metal Organic Frameworks with High CO₂ Capture Capacity. ACS Sustainable Chemistry and Engineering, 2013, 1, 66-74.	6.7	54
33	Enhancement of porosity of sodium silicate and titanium oxychloride based TiO2â€“SiO2 systems synthesized by solâ€“gel process and their photocatalytic activity. Microporous and Mesoporous Materials, 2013, 179, 111-121.	4.4	32
34	Quantitative recovery of high purity nanoporous silica from waste products of the phosphate fertilizer industry. Journal of Industrial and Engineering Chemistry, 2013, 19, 63-67.	5.8	12
35	Effect of the gelation on the properties of precipitated silica powder produced by acidizing sodium silicate solution at the pilot scale. Chemical Engineering Journal, 2012, 209, 531-536.	12.7	19
36	Synthesis of mesoporous silica with superior properties suitable for green tire. Journal of Industrial and Engineering Chemistry, 2012, 18, 1841-1844.	5.8	53

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37	Two-step rapid synthesis of mesoporous silica for green tire. Korean Journal of Chemical Engineering, 2012, 29, 1643-1646.	2.7	6
38	Synthesis of silver nanoparticles within the pores of functionalized-free silica beads: The effect of pore size and porous structure. Materials Letters, 2012, 68, 350-353.	2.6	17
39	Synthesis and characterization of micrometer-sized silica aerogel nanoporous beads. Materials Letters, 2012, 81, 37-40.	2.6	30
40	BET study of silver-doped silica based on an inexpensive method. Materials Letters, 2012, 80, 168-170.	2.6	6
41	Silver-doped silica powder with antibacterial properties. Powder Technology, 2012, 215-216, 219-222.	4.2	22
42	Preparation of amino-functionalized silica for copper removal from an aqueous solution. Journal of Industrial and Engineering Chemistry, 2012, 18, 83-87.	5.8	23
43	Effect of drying technique on the physicochemical properties of sodium silicate-based mesoporous precipitated silica. Applied Surface Science, 2011, 258, 955-961.	6.1	34
44	Synthesis of sodium silicate-based hydrophilic silica aerogel beads with superior properties: Effect of heat-treatment. Journal of Non-Crystalline Solids, 2011, 357, 2156-2162.	3.1	66
45	Preparation of amino functionalized silica micro beads by dry method for supporting silver nanoparticles with antibacterial properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 389, 118-126.	4.7	48
46	Facile route for preparation of silver nanoparticle-coated precipitated silica. Applied Surface Science, 2011, 257, 4250-4256.	6.1	31
47	Preparation of silver nanoparticle containing silica micro beads and investigation of their antibacterial activity. Applied Surface Science, 2011, 257, 6963-6970.	6.1	52
48	Synthesis of hydrophilic and hydrophobic xerogels with superior properties using sodium silicate. Microporous and Mesoporous Materials, 2011, 139, 138-147.	4.4	64
49	Preparation of hydrophobic mesoporous silica powder with a high specific surface area by surface modification of a wet-gel slurry and spray-drying. Powder Technology, 2010, 197, 288-294.	4.2	54
50	Influence of aging conditions on textural properties of water-glass-based silica aerogels prepared at ambient pressure. Korean Journal of Chemical Engineering, 2010, 27, 1301-1309.	2.7	31
51	Mesoporous titaniaâ€“silica composite from sodium silicate and titanium oxychloride. Part I: grafting method. Journal of Materials Science, 2010, 45, 1255-1263.	3.7	18
52	Mesoporous titaniaâ€“silica composite from sodium silicate and titanium oxychloride. Part II: one-pot co-condensation method. Journal of Materials Science, 2010, 45, 1264-1271.	3.7	12
53	Production of low-density sodium silicate-based hydrophobic silica aerogel beads by a novel fast gelation process and ambient pressure drying process. Solid State Sciences, 2010, 12, 911-918.	3.2	123
54	Influence of annealing conditions on the properties of reinforced silver-embedded silica matrix from the cheap silica source. Applied Surface Science, 2010, 256, 2849-2855.	6.1	8

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55	Recovery of high surface area mesoporous silica from waste hexafluorosilicic acid (H2SiF6) of fertilizer industry. Journal of Hazardous Materials, 2010, 173, 576-580.	12.4	45
56	Rapid synthesis of homogeneous titania-silica composite with high-BET surface area. Powder Technology, 2010, 199, 284-288.	4.2	33
57	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
58	Titaniaâ€“silica composites with less aggregated particles. Powder Technology, 2009, 196, 286-291.	4.2	26
59	Reinforced silver-embedded silica matrix from the cheap silica source for the controlled release of silver ions. Applied Surface Science, 2009, 255, 8239-8245.	6.1	7
60	Low-density TEOS-based silica aerogels prepared at ambient pressure using isopropanol as the preparative solvent. Journal of Alloys and Compounds, 2009, 487, 744-750.	5.5	66
61	High specific surface area TEOS-based aerogels with large pore volume prepared at an ambient pressure. Applied Surface Science, 2007, 254, 574-579.	6.1	139
62	Influence of Solvent Exchange on the Physical Properties of Sodium Silicate Based Aerogel Prepared at Ambient Pressure. Aerosol and Air Quality Research, 2006, 6, 93-105.	2.1	29