Shajesh Palantavida

List of Publications by Year
in descending order

55	1,020	430442	454577
papers	citations	18 h-index	30 g-index

55	55	55	1352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of aging time and concentration of aging solution on the porosity characteristics of subcritically dried silica aerogels. Microporous and Mesoporous Materials, 2006, 91, 286-292.	2.2	103
2	A Facile Sol-Gel Strategy for the Synthesis of Rod-Shaped Nanocrystalline High-Surface-Area Lanthanum Phosphate Powders and Nanocoatings. Advanced Functional Materials, 2007, 17, 1682-1690.	7.8	83
3	Synthesis of biocompatible hydrophobic silicaâ€“gelatin nano-hybrid by solâ€“gel process. Colloids and Surfaces B: Biointerfaces, 2007, 55, 38-43.	2.5	73
4	Ambient pressure drying: a successful approach for the preparation of silica and silica based mixed oxide aerogels. Journal of Sol-Gel Science and Technology, 2010, 54, 105-117.	1.1	73
5	Effect of tantalum addition on anatase phase stability and photoactivity of aqueous solâ€“gel derived mesoporous titania. Journal of Molecular Catalysis A, 2007, 276, 41-46.	4.8	48
6	Ultrabright NIR fluorescent mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2014, 2, 3107-3114.	2.9	45
7	Silicaâ€“titania aerogel monoliths with large pore volume and surface area by ambient pressure drying. Journal of Sol-Gel Science and Technology, 2009, 52, 328-334.	1.1	40
8	Mesoporous gadolinium doped titania photocatalyst through an aqueous solâ€“gel method. Journal of Alloys and Compounds, 2010, 505, 194-200.	2.8	36
9	UV curable hydrophobic inorganicâ€“organic hybrid coating on solar cell covers for photocatalytic self cleaning application. Journal of Materials Chemistry A, 2013, 1, 12641.	5.2	34
10	Ultrabright fluorescent mesoporous silica nanoparticles for prescreening of cervical cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1255-1262.	1.7	33
11	Antiwetting silicaâ€“gelatin nanohybrid and transparent nano coatings synthesised through an aqueous solâ€“gel process. Journal of Sol-Gel Science and Technology, 2007, 42, 157-163.	1.1	31
12	Sol-gel synthesis of biocompatible silica-chitosan hybrids and hydrophobic coatings. Journal of Materials Research, 2008, 23, 2053-2060.	1.2	31
13	The nature of ultrabrightness of nanoporous fluorescent particles with physically encapsulated fluorescent dyes. Journal of Materials Chemistry C, 2016, 4, 2197-2210.	2.7	24
14	Synthesis, structure and properties of cross-linked R(SiO1.5)/SiO2 (R=3-glycidoxypropyl) porous organic inorganic hybrid networks dried at ambient pressure. Journal of Colloid and Interface Science, 2009, 336, 691-697.	5.0	23
15	Ultrabright fluorescent cellulose acetate nanoparticles for imaging tumors through systemic and topical applications. Materials Today, 2019, 23, 16-25.	8.3	20
16	Functionalized Ultrabright Fluorescent Mesoporous Silica Nanoparticles. Particle and Particle Systems Characterization, 2013, 30, 804-811.	1.2	19
17	Ceria deposited titania nanotubes for high performance supercapacitors. Journal of Physics and Chemistry of Solids, 2019, 135, 109111.	1.9	19
18	Ultrabright fluorescent silica nanoparticles for in vivo targeting of xenografted human tumors and cancer cells in zebrafish. Nanoscale, 2019, 11, 22316-22327.	2.8	19

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19	Non-supercritically dried silicaâ€“silica composite aerogel and its possible application for confining simulated nuclear wastes. Journal of Sol-Gel Science and Technology, 2008, 46, 146-151.	1.1	18
20	An â€˜Eco-friendlyâ€™ all aqueous sol gel process for multi functional ultrafiltration membrane on porous tubular alumina substrate. Journal of Membrane Science, 2011, 375, 134-140.	4.1	16
21	Effect of 3-glycidoxypropyltrimethoxysilane precursor on the properties of ambient pressure dried silica aerogels. Journal of Sol-Gel Science and Technology, 2009, 50, 353-358.	1.1	15
22	Synthesis of lanthanum oxide doped photocatalytic nano titanium oxide through aqueous solâ€“gel method for titania multifunctional ultrafiltration membrane. Journal of Sol-Gel Science and Technology, 2010, 53, 353-358.	1.1	15
23	Effective Reduction of p-Nitroaniline to p-Phenylenediamine Using Cu-CuO Nanocomposite. Materials Today: Proceedings, 2019, 9, 633-638.	0.9	15
24	Nonsupercritically Dried Silicaâ€“Alumina Aerogelsâ€”Effect of Gelation pH. Journal of the American Ceramic Society, 2008, 91, 1326-1328.	1.9	13
25	A Facile Method for the Synthesis of CuO-RGO Nanocomposite for Para Nitrophenol Reduction Reaction. Materials Today: Proceedings, 2019, 9, 587-593.	0.9	13
26	Synthesis of mesoporous hydrophobic silica microspheres through a modified solâ€“emulsionâ€“gel process. Journal of Sol-Gel Science and Technology, 2008, 48, 356-361.	1.1	12
27	Cu doped graphitic C3N4 for p-nitrophenol reduction and sensing applications. Inorganic Chemistry Communication, 2022, 142, 109598.	1.8	12
28	Effect of aging temperature on the porosity characteristics of subcritically dried silica aerogels. Journal of Porous Materials, 2007, 14, 1-6.	1.3	11
29	Ultrabright fluorescent silica particles with a large number of complex spectra excited with a single wavelength for multiplex applications. Nanoscale, 2017, 9, 4881-4890.	2.8	11
30	Facile synthesis of TNT-VO2(M) nanocomposites for high performance supercapacitors. Journal of Electroanalytical Chemistry, 2020, 878, 114644.	1.9	11
31	Data on ultrabright fluorescent cellulose acetate nanoparticles for imaging tumors through systemic and topical applications. Data in Brief, 2019, 22, 383-391.	0.5	10
32	New synthesis route of Cu-CuO-Ni nano-heterostructures for hydrogenation and chromium reduction reactions. Journal of Environmental Chemical Engineering, 2020, 8, 103600.	3.3	9
33	Self-assembly of multi-hierarchically structured spongy mesoporous silica particles and mechanism of their formation. Journal of Colloid and Interface Science, 2017, 491, 133-140.	5.0	8
34	Composition tuning in copper - oxide decorated reduced graphene oxide yields efficient photo- and reduction catalysts. Surfaces and Interfaces, 2021, 22, 100792.	1.5	8
35	High surface area mesoporous nanocrystalline lanthanum phosphate nanorod through a solâ€“gel process â€“ Effect of alcohol washing on a non-oxide gel. Microporous and Mesoporous Materials, 2008, 116, 693-697.	2.2	7
36	CdS nanosheets as electrode materials for all pseudocapacitive asymmetric supercapacitors. Bulletin of Materials Science, 2021, 44, 1.	0.8	7

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37	Hollow 1D copper oxide nanostructures with enhanced activity for catalytic reduction and photocatalytic degradation of organic pollutants. Surfaces and Interfaces, 2021, 22, 100876.	1.5	6
38	Ultrabright fluorescent nanothermometers. Nanoscale Advances, 2021, 3, 5090-5101.	2.2	6
39	Enhancing semiconductor photocatalysis with carbon nanostructures for water/air purification and self-cleaning applications. , 2019, , 139-172.		5
40	Designing micro/nano hybrid TNT@Î±-Fe2O3 composites for high performance supercapacitors. Nano Structures Nano Objects, 2020, 24, 100543.	1.9	5
41	Synthesis and antibacterial activity of silver-copper nano-composites formed by microwave assisted chemical reduction. Materials Today: Proceedings, 2021, 41, 525-529.	0.9	5
42	In-situ synthesis of titania nanosheet â€“ CdS nanoparticle composites by combined hydrothermal â€“ selective adsorption and reaction for enhanced photocatalytic activity. Materials Today: Proceedings, 2021, 41, 660-664.	0.9	4
43	An initial screening of commercial phosphorus ligands on the recovery of metal ions from red mud. Materials Today: Proceedings, 2021, 41, 692-697.	0.9	4
44	Tartaric Acid Mediated Gelation Synthesis of Zinc Oxide Nanoparticles and their Photocatalytic Activity. Materials Today: Proceedings, 2019, 9, 560-567.	0.9	3
45	Enhanced reduction reaction by Cuâ€“Ag core-shell nanowire catalyst. Journal of Chemical Sciences, 2020, 132, 1.	0.7	3
46	Absorption of organic compounds by mesoporous silica discoids. Microporous and Mesoporous Materials, 2020, 306, 110379.	2.2	3
47	Investigations on the effect of experimental parameters on the porosity features of silica aerogels synthesized at ambient drying conditions. Materials Chemistry and Physics, 2011, 131, 507-511.	2.0	2
48	Control and formation mechanism of extended nanochannel geometry in colloidal mesoporous silica particles. Physical Chemistry Chemical Physics, 2017, 19, 1115-1121.	1.3	2
49	A facile synthesis of Cuâ€“CuOâ€“Ag nanocomposite and their hydrogenation reduction of p-nitrophenol. SN Applied Sciences, 2020, 2, 1.	1.5	2
50	Selective extraction and solid state complexation of iron(III) with bis(Î²-diketone) ligand. Materials Today: Proceedings, 2021, 41, 638-643.	0.9	2
51	Visible light photoactivity of 2D nanocomposites of CdS-TiO2 and CdS-TiO2-rGO. Materials Today: Proceedings, 2021, 41, 655-659.	0.9	2
52	A regiocentric economic sensitivity analysis for scandium recovery from red mud. Materials Today: Proceedings, 2021, 41, 577-582.	0.9	1
53	Thermally stable nanophase anatase titania with mesoporous texture by pseudo-inorganic templating. Microporous and Mesoporous Materials, 2009, 120, 467-471.	2.2	0
54	A Facile Synthetic Approach for Cu(OH)₂-Cu₂O Heterostructure: A Stable Catalyst for Pollutant Degradation. Transactions of the Indian Ceramic Society, 2021, 80, 118-126.	0.4	0

#	Article	IF	Citations
55	Supercapacitor electrodes based on modified titania nanotube arrays on flexible substrates. International Journal of Materials Research, 2021, .	0.1	0