

P S Patil

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

868
citations

361045

20
h-index

500791

28
g-index

41
all docs

41
docs citations

41
times ranked

1004
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilization of invertase on chitosan coated Fe_3O_4 magnetic nanoparticles to facilitate magnetic separation. Journal of Colloid and Interface Science, 2016, 482, 159-164.	5.0	69
2	Monolayer grafting of aminosilane on magnetic nanoparticles: An efficient approach for targeted drug delivery system. Journal of Colloid and Interface Science, 2018, 529, 415-425.	5.0	57
3	Chitosan coated magnetic nanoparticles as carriers of anticancer drug Telmisartan: pH-responsive controlled drug release and cytotoxicity studies. Journal of Physics and Chemistry of Solids, 2021, 148, 109749.	1.9	54
4	APTES monolayer coverage on self-assembled magnetic nanospheres for controlled release of anticancer drug Nintedanib. Scientific Reports, 2021, 11, 5674.	1.6	53
5	Effect of annealing temperature on morphologies of metal organic framework derived NiFe ₂ O ₄ for supercapacitor application. Journal of Energy Storage, 2021, 40, 102821.	3.9	49
6	Effect of reaction time on structural and magnetic properties of green-synthesized magnetic nanoparticles. Journal of Physics and Chemistry of Solids, 2018, 120, 161-166.	1.9	45
7	Greener synthesis of magnetite nanoparticles using green tea extract and their magnetic properties. Materials Research Express, 2017, 4, 096102.	0.8	41
8	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method. Electronic Materials Letters, 2015, 11, 944-948.	1.0	39
9	Magnetic nanoparticle decorated graphene based electrochemical nanobiosensor for H ₂ O ₂ sensing using HRP. Colloids and Surfaces B: Biointerfaces, 2018, 167, 425-431.	2.5	37
10	Pulsed laser deposited CoFe ₂ O ₄ thin films as supercapacitor electrodes. RSC Advances, 2020, 10, 19353-19359.	1.7	36
11	Effect of write voltage and frequency on the reliability aspects of memristor-based RRAM. International Nano Letters, 2017, 7, 209-216.	2.3	33
12	Development of self-rectifying ZnO thin film resistive switching memory device using successive ionic layer adsorption and reaction method. Journal of Materials Science: Materials in Electronics, 2018, 29, 18733-18741.	1.1	29
13	α -amylase immobilized on magnetic nanoparticles: reusable robust nano-biocatalyst for starch hydrolysis. Materials Research Express, 2018, 5, 075403.	0.8	29
14	TiO ₂ based nanostructured memristor for RRAM and neuromorphic applications: a simulation approach. Nano Convergence, 2016, 3, 16.	6.3	28
15	Adsorption and kinetic behavior of Cu(II) ions from aqueous solution on DMSA functionalized magnetic nanoparticles. Physica B: Condensed Matter, 2019, 571, 273-279.	1.3	28
16	Hybrid AMR/PHR ring sensor. Solid State Communications, 2011, 151, 1248-1251.	0.9	26
17	Photoelectrochemical solar cell based on surfactant mediated rutile TiO ₂ nanorods. Journal of Materials Science: Materials in Electronics, 2015, 26, 2595-2604.	1.1	23
18	Effect of surfactants on the data directionality and learning behaviour of Al/TiO ₂ /FTO thin film memristor-based electronic synapse. Journal of Solid State Electrochemistry, 2017, 21, 2753-2757.	1.2	22

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19	pH triggered curcumin release and antioxidant activity of curcumin loaded Fe_3O_4 magnetic nanoparticles. <i>Materials Letters</i> , 2018, 223, 178-181.	1.3	22
20	Organic resistive switching device based on cellulose-gelatin microcomposite fibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21288-21296.	1.1	22
21	Rapid synthesis of Bi_2O_3 nano-needles via "green route" and evaluation of its anti-fungal activity. <i>IET Nanobiotechnology</i> , 2018, 12, 496-499.	1.9	20
22	Effects of switching layer morphology on resistive switching behavior: A case study of electrochemically synthesized mixed-phase copper oxide memristive devices. <i>Applied Materials Today</i> , 2022, 27, 101460.	2.3	19
23	Bipolar-resistive switching and memristive properties of solution-processable cobalt oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9695-9704.	1.1	12
24	Evolution of structural and magnetic properties in iron oxide nanoparticles synthesized using <i>Azadirachta indica</i> leaf extract. <i>Nano Express</i> , 2020, 1, 020013.	1.2	10
25	Electrochemical supercapacitive performance study of spray pyrolyzed cobalt oxide film. <i>Materials Today: Proceedings</i> , 2021, 43, 2742-2746.	0.9	10
26	Removal of Cu(II) from aqueous solution using APTES-GA modified magnetic iron oxide nanoparticles: kinetic and isotherm study. <i>Materials Research Express</i> , 2019, 6, 106103.	0.8	8
27	Controlled release of poorly water soluble anticancerous drug camptothecin from magnetic nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 23, 437-443.	0.9	8
28	Photoelectrocatalytic degradation of Rhodamine B using N doped TiO_2 thin Films. <i>Materials Today: Proceedings</i> , 2020, 23, 382-388.	0.9	7
29	Cobalt ferrite nanoparticles for supercapacitor application. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	6
30	Electrochemical performance of magnetic nanoparticle-decorated reduced graphene oxide (MRGO) in various aqueous electrolyte solutions. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 927-938.	1.2	6
31	Structure, Microstructure, and Giant Magnetoresistance in Nanogranular FeAgNi Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2076-2080.	0.9	5
32	controlled drug release. <i>IEEE Transactions on Magnetism</i> , 2017, , 1-1.	1.2	5
33	Removal of Cu(II) metal ions from aqueous solution by amine functionalized magnetic nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
34	Magnetotransport and Structural Properties of Nanocrystalline FeAgAl Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4068-4072.	0.9	2
35	Direct functionalization of magnetic hollow spheres with (3-aminopropyl)triethoxysilane (APTES) for targeted drug delivery. , 2017, , .		2
36	Micromagnetic simulations of semielliptical permalloy elements. <i>Physica B: Condensed Matter</i> , 2014, 448, 253-255.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of sprayed nitrogen doped TiO ₂ Thin films. Materials Today: Proceedings, 2021, 43, 2721-2724.	0.9	1
38	Adsorption of Ni(II) ions from aqueous solution on the DMSA functionalized magnetic nanoadsorbents. AIP Conference Proceedings, 2020, , .	0.3	1
39	Correspondence Between Magnetoresistance and Magnetization in Co ²⁺ •Cu Multilayers Studied at Higher Spacer Layer Thickness. , 2010, , .		0
40	Comparison of magnetization and magnetoresistance in Co/Cu multilayers. , 2012, , .		0