

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	Effects of switching layer morphology on resistive switching behavior: A case study of electrochemically synthesized mixed-phase copper oxide memristive devices. Applied Materials Today, 2022, 27, 101460.	2.3	19
2	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
3	Electrochemical supercapacitive performance study of spray pyrolyzed cobalt oxide film. Materials Today: Proceedings, 2021, 43, 2742-2746.	0.9	10
4	Electrochemical performance of magnetic nanoparticle-decorated reduced graphene oxide (MRGO) in various aqueous electrolyte solutions. Journal of Solid State Electrochemistry, 2021, 25, 927-938.	1.2	6
5	Synthesis and characterization of sprayed nitrogen doped TiO ₂ thin films. Materials Today: Proceedings, 2021, 43, 2721-2724.	0.9	1
6	APTES monolayer coverage on self-assembled magnetic nanospheres for controlled release of anticancer drug Nintedanib. Scientific Reports, 2021, 11, 5674.	1.6	53
7	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
8	Evolution of structural and magnetic properties in iron oxide nanoparticles synthesized using Azadirachta indica leaf extract. Nano Express, 2020, 1, 020013.	1.2	10
9	Cobalt ferrite nanoparticles for supercapacitor application. AIP Conference Proceedings, 2020, , .	0.3	6
10	Pulsed laser deposited CoFe ₂ O ₄ thin films as supercapacitor electrodes. RSC Advances, 2020, 10, 19353-19359.	1.7	36
11	Bipolar-resistive switching and memristive properties of solution-processable cobalt oxide nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 9695-9704.	1.1	12
12	Photoelectrocatalytic degradation of Rhodamine B using N doped TiO ₂ thin Films. Materials Today: Proceedings, 2020, 23, 382-388.	0.9	7
13	Controlled release of poorly water soluble anticancerous drug camptothecin from magnetic nanoparticles. Materials Today: Proceedings, 2020, 23, 437-443.	0.9	8
14	Adsorption of Ni(II) ions from aqueous solution on the DMSA functionalized magnetic nanoadsorbents. AIP Conference Proceedings, 2020, , .	0.3	1
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	Removal of Cu(II) from aqueous solution using APTES-GA modified magnetic iron oxide nanoparticles: kinetic and isotherm study. Materials Research Express, 2019, 6, 106103.	0.8	8
17	Organic resistive switching device based on cellulose-gelatine microcomposite fibers. Journal of Materials Science: Materials in Electronics, 2019, 30, 21288-21296.	1.1	22
18	pH triggered curcumin release and antioxidant activity of curcumin loaded γ -Fe ₂ O ₃ magnetic nanoparticles. Materials Letters, 2018, 223, 178-181.	1.3	22

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Rapid synthesis of Bi ₂ O ₃ nano-needles via "green route" and evaluation of its anti-fungal activity. IET Nanobiotechnology, 2018, 12, 496-499.	1.9	20
23	α -amylase immobilized on magnetic nanoparticles: reusable robust nano-biocatalyst for starch hydrolysis. Materials Research Express, 2018, 5, 075403.	0.8	29
24	Removal of Cu(II) metal ions from aqueous solution by amine functionalized magnetic nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	3
25	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
26	controlled drug release. IEEE Transactions on Magnetics, 2017, , 1-1.	1.2	5
27	Effect of write voltage and frequency on the reliability aspects of memristor-based RRAM. International Nano Letters, 2017, 7, 209-216.	2.3	33
28	Greener synthesis of magnetite nanoparticles using green tea extract and their magnetic properties. Materials Research Express, 2017, 4, 096102.	0.8	41
29	Direct functionalization of magnetic hollow spheres with (3-aminopropyl)triethoxysilane (APTES) for targeted drug delivery. , 2017, , .		2
30	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
31	TiO ₂ based nanostructured memristor for RRAM and neuromorphic applications: a simulation approach. Nano Convergence, 2016, 3, 16.	6.3	28
32	Immobilization of invertase on chitosan coated γ -Fe ₂ O ₃ magnetic nanoparticles to facilitate magnetic separation. Journal of Colloid and Interface Science, 2016, 482, 159-164.	5.0	69
33	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method. Electronic Materials Letters, 2015, 11, 944-948.	1.0	39
34	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
35	Micromagnetic simulations of semielliptical permalloy elements. Physica B: Condensed Matter, 2014, 448, 253-255.	1.3	1
36	Comparison of magnetization and magnetoresistance in Co/Cu multilayers. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Hybrid AMR/PHR ring sensor. Solid State Communications, 2011, 151, 1248-1251.	0.9	26
38	Correspondence Between Magnetoresistance and Magnetization in Co ²⁺ /Cu Multilayers Studied at Higher Spacer Layer Thickness. , 2010, , .		0
39	Magnetotransport and Structural Properties of Nanocrystalline FeAgAl Thin Films. Journal of Nanoscience and Nanotechnology, 2008, 8, 4068-4072.	0.9	2
40	Structure, Microstructure, and Giant Magnetoresistance in Nanogranular FeAgNi Thin Films. Journal of Nanoscience and Nanotechnology, 2007, 7, 2076-2080.	0.9	5