Suyog Raut

List of Publications by Year
in descending order

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10 papers	160 citations	1478505 6 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	254 citing authors

#	Article	IF	Citations
1	Investigation of structural, optical and magnetic properties of thermal plasma synthesized Ni-Co spinel ferrite nanoparticles. Ceramics International, 2017, 43, 6637-6647.	4.8	59
2	Investigation of structural and magnetic properties of thermal plasma-synthesized Fe1âˆ’xNi alloy nanoparticles. Journal of Alloys and Compounds, 2016, 663, 30-40.	5.5	28
3	Enhanced active aluminum content and thermal behaviour of nano-aluminum particles passivated during synthesis using thermal plasma route. Applied Surface Science, 2016, 368, 16-26.	6.1	23
4	Electronic Structure of Visible Light-Driven Photocatalyst Î´-Bi₁₁VO₁₉ Nanoparticles Synthesized by Thermal Plasma. ACS Omega, 2018, 3, 5853-5864.	3.5	18
5	Thermal plasma processed ferro-magnetically ordered face-centered cubic iron at room temperature. Journal of Applied Physics, 2014, 116, 163913.	2.5	7
6	Magnetic and magnetostrictive properties of tape casted free standing NZFO thick films and its composite with piezoelectric phase. Journal of Magnetism and Magnetic Materials, 2019, 490, 165523.	2.3	7
7	Single step, phase controlled, large scale synthesis of ferrimagnetic iron oxide polymorph nanoparticles by thermal plasma route and their rheological properties. Journal of Magnetism and Magnetic Materials, 2018, 449, 232-242.	2.3	6
8	Structural and morphological tuning of iron oxide polymorphs by ECR plasma-assisted thermal oxidation. RSC Advances, 2020, 10, 32088-32101.	3.6	5
9	Optoelectric and photocatalytic characteristics of DNA thin films embedded with transition metal ion-doped ZnO nanorods. Materials Chemistry and Physics, 2022, 286, 126135.	4.0	4
10	Oxidation behaviour of Fe-Ni alloy nanoparticles synthesized by thermal plasma route. AIP Conference Proceedings, 2018, , .	0.4	3