

Ashutosh Abhyankar

List of Publications by Year in descending order

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15
papers

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933264

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15
times ranked

659
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Texture Coefficient on Surface Morphology and Sensing Properties of W-Doped Nanocrystalline Tin Oxide Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 3571-3580.	4.0	131
2	Observation of magnetic anomalies in one-step solvothermally synthesized nickel-cobalt ferrite nanoparticles. Nanoscale, 2016, 8, 5200-5213.	2.8	66
3	New insights towards strikingly improved room temperature ethanol sensing properties of p-type Ce-doped SnO ₂ sensors. Scientific Reports, 2018, 8, 8079.	1.6	48
4	Enhanced absorption of microwave radiations through flexible polyvinyl alcohol-carbon black/barium hexaferrite composite films. Journal of Applied Physics, 2016, 120, .	1.1	44
5	Ferromagnetic resonance of NiCoFe ₂ O ₄ nanoparticles and microwave absorption properties of flexible NiCoFe ₂ O ₄ -carbon black/poly(vinyl) Tj ETQq1 1 0.784314 rgBT4/Overlo	1.1	44
6	Holey engineered 2D ZnO-nanosheets architecture for supersensitive ppm level H ₂ gas detection at room temperature. Sensors and Actuators B: Chemical, 2021, 326, 128839.	4.0	36
7	Dopant driven tunability of dielectric relaxation in MxCo(1-x)Fe ₂ O ₄ (M: Zn ²⁺ , Mn ²⁺ , Ni ²⁺) nano-ferrites. Journal of Applied Physics, 2017, 122, .	1.1	34
8	Enhanced Photocatalytic Activity of Magnetic BaFe ₁₂ O ₁₉ Nanoplatelets than TiO ₂ with Emphasis on Reaction Kinetics, Mechanism, and Reusability. Industrial & Engineering Chemistry Research, 2018, 57, 16192-16200.	1.8	18
9	Steering of Magnetic Interactions in Ni _{0.5} Zn _{0.5} Fe ₂ (Mn) _x O ₄ Nanoferrites via Substitution-Induced Cationic Redistribution. Journal of Physical Chemistry C, 2021, 125, 10693-10707.	1.5	14
10	Correlation between the magnetic-microstructure and microwave mitigation ability of M _x Co _(1-x) Fe ₂ O ₄ based ferrite-carbon black/PVA composites. Physical Chemistry Chemical Physics, 2018, 20, 26431-26442.	1.3	13
11	Titania sensitized with SPADNS dye for dye sensitized solar cell. Journal of Materials Science: Materials in Electronics, 2016, 27, 12446-12451.	1.1	5
12	Structural, magnetic and dielectric properties of NiZnFe ₂ O ₄ nanocrystals. AIP Conference Proceedings, 2016, , .	0.3	2
13	Effect of annealing on cation distribution and magnetic properties of nano sized Mn _{0.34} Co _{0.66} Fe ₂ O ₄ microwave ferrites. AIP Conference Proceedings, 2016, , .	0.3	0
14	Unscientific Determination of Fermi Energy of Copper by Heating and/or Cooling a Copper Wire. Resonance, 2019, 24, 1439-1443.	0.2	0
15	Microstructure and Mechanical Properties of AA7005 Alloy Joint by Fusion and Solid-State Welding Processes. Transactions of the Indian Institute of Metals, 2020, 73, 1503-1507.	0.7	0