

# Ashok Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,256  
citations

394421

19  
h-index

361022

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of Ni <sup>2+</sup> /Zn ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2010, 322, 1015-1019.	2.3	133
2	Influence of preparation method on structural and magnetic properties of nickel ferrite nanoparticles. Bulletin of Materials Science, 2011, 34, 1345-1350.	1.7	125
3	Zn Doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> : An Efficient Material for UV Driven Photocatalysis and Electrical Conductivity. Crystals, 2020, 10, 273.	2.2	86
4	Structural and magnetic studies of the nickel doped CoFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles synthesized by the chemical co-precipitation method. Journal of Magnetism and Magnetic Materials, 2015, 394, 379-384.	2.3	85
5	Electronic structure and photocatalytic activity of samarium doped cerium oxide nanoparticles for hazardous rose bengal dye degradation. Vacuum, 2020, 172, 109075.	3.5	72
6	UV-irradiated photocatalytic performance of yttrium doped ceria for hazardous Rose Bengal dye. Applied Surface Science, 2019, 493, 87-93.	6.1	62
7	Oxygen-deficient lanthanum doped cerium oxide nanoparticles for potential applications in spintronics and photocatalysis. Vacuum, 2020, 177, 109395.	3.5	58
8	Finite size effect on Gd <sup>3+</sup> doped CoGd <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.5) particles. Journal of Magnetism and Magnetic Materials, 2010, 322, 3688-3691.	2.3	54
9	Ferrite application as an electrochemical sensor: A review. Materials Characterization, 2021, 178, 111269.	4.4	54
10	Influence of La <sup>3+</sup> ion doping on physical properties of magnesium nanoferrites for microwave absorption application. Journal of Magnetism and Magnetic Materials, 2018, 460, 69-77.	2.3	45
11	Finite size effect on Sm <sup>3+</sup> doped Mn <sub>0.5</sub> Zn <sub>0.5</sub> Sm Fe <sub>2-x</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) ferrite nanoparticles. Ceramics International, 2015, 41, 8623-8629.	4.8	36
12	Investigations on magnetic and electrical properties of Zn doped Fe <sub>2</sub> O <sub>3</sub> nanoparticles and their correlation with local electronic structures. Journal of Magnetism and Magnetic Materials, 2019, 489, 165398.	2.3	36
13	Induced size effect on Ni doped Nickel Zinc Ferrite Nanoparticles. Physics Procedia, 2010, 9, 20-23.	1.2	35
14	Effect of Gd <sup>3+</sup> ion distribution on structural and magnetic properties in nano-sized Mn <sup>2+</sup> /Zn ferrite particles. Ceramics International, 2015, 41, 1297-1302.	4.8	35
15	Cd <sup>2+</sup> substituted nickel ferrite doped polyaniline nanocomposites as effective shield against electromagnetic radiation in X-band frequency. Journal of Magnetism and Magnetic Materials, 2019, 491, 165549.	2.3	34
16	Erbium-doped oxygen deficient cerium oxide: bi-functional material in the field of spintronics and photocatalysis. Applied Nanoscience (Switzerland), 2020, 10, 1721-1733.	3.1	33
17	Structural, optical and weak magnetic properties of Co and Mn codoped TiO <sub>2</sub> nanoparticles. Solid State Sciences, 2017, 73, 19-26.	3.2	32
18	Photocatalytic activity of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> @CeO <sub>2</sub> and CeO <sub>2</sub> @ $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> core-shell nanoparticles for degradation of Rose Bengal dye. Journal of Environmental Chemical Engineering, 2021, 9, 106266.	6.7	32



#	ARTICLE	IF	CITATIONS
37	Effect of Mg <sup>2+</sup> substitution on structural and magnetic properties of nano zinc ferrite. AIP Conference Proceedings, 2018, , .	0.4	2
38	Influence of La <sup>3+</sup> ion doping on structural and magnetic properties of nickel ferrite nanoparticles prepared by sol-gel route. AIP Conference Proceedings, 2019, , .	0.4	2
39	Effect of Annealing on Structural Properties of Fe <sub>3</sub> O <sub>4</sub> Ferrite Nanoparticles. Advanced Science Letters, 2018, 24, 5748-5751.	0.2	0