

# Chandrashekar Mahajan

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

277  
citations

933447

10  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	An innovative method for effective micro-mixing of CO <sub>2</sub> gas during synthesis of nano-calcite crystal using sonochemical carbonization. <i>Chemical Engineering Journal</i> , 2008, 143, 308-313.	12.7	49
2	Multiferroic properties in Zn and Ni co-doped BiFeO <sub>3</sub> ceramics by solution combustion method (SCM). <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 347, 153-160.	2.3	32
3	Hydrodynamic Cavitation-Assisted Synthesis of Nanocalcite. <i>International Journal of Chemical Engineering</i> , 2010, 2010, 1-8.	2.4	24
4	Intermittent spray pyrolytic growth of nanocrystalline and highly oriented transparent conducting ZnO thin films: Effect of solution spray rate. <i>Journal of Alloys and Compounds</i> , 2014, 584, 128-135.	5.5	22
5	Structural, magnetic and dielectric properties of nano-crystalline Ni-doped BiFeO <sub>3</sub> ceramics formulated by self-propagating high-temperature synthesis. <i>Journal of Advanced Ceramics</i> , 2013, 2, 135-140.	17.4	21
6	Synthesis of Cuprous Oxide (Cu <sub>2</sub> O) Nanoparticles – a Review. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 01035-1-01035-5.	0.5	21
7	Atmospheric Wet and Dry Depositions of Ions over an Urban Location in South-West India. <i>Aerosol and Air Quality Research</i> , 2012, 12, 561-570.	2.1	21
8	An influence of deposition temperature on structural, optical and electrical properties of sprayed ZnO thin films of identical thickness. <i>Current Applied Physics</i> , 2013, 13, 2109-2116.	2.4	16
9	Solar Photocatalytic Degradation of Methylene Blue by ZnO Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1185-1192.	0.9	15
10	Multiferroic properties of nanocrystalline BiFe <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> (x=0.0–0.15) perovskite ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 395, 329-335.	2.3	11
11	Novel Facile Technique for Synthesis of Stable Cuprous Oxide (Cu <sub>2</sub> O) Nanoparticles – an Ageing Effect. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 01036-1-01036-4.	0.5	9
12	Facile Rapid Synthesis of Polyaniline (PANI) Nanofibers. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 01037-1-01037-3.	0.5	6
13	Characterization of Transparent Conducting Al:ZnO Thin Films Deposited by Chemical Spray Pyrolysis. <i>Advanced Materials Research</i> , 0, 67, 103-108.	0.3	5
14	Ferroelectric and dielectric properties of nanocrystalline BiFeO <sub>3</sub> multiferroic ceramics synthesized by solution combustion method (SCM). <i>Materials Science-Poland</i> , 2013, 31, 221-225.	1.0	5
15	Spray Deposited Nanocrystalline ZnO Transparent Electrodes: Role of Precursor Solvent. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 02026-1-02026-5.	0.5	5
16	Aerosol-Cloud Interaction over South-Central India and Adjoining Coastal Areas. <i>Aerosol Science and Engineering</i> , 2022, 6, 45-60.	1.9	4
17	Precursor molarity dependent growth rate, microstructural, optical and electrical properties of spray pyrolytically deposited transparent conducting ZnO thin films. <i>Superlattices and Microstructures</i> , 2021, , 107131.	3.1	4
18	Wet Chemical Synthesis of Entangled Nano-fibrous Conducting Polyaniline (PANI) Mesh: Effect of Heating and Stirring. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 1463-1469.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Effect of intermittent spray on optoelectronic properties of ZnO nanocrystallites synthesized by chemical spray pyrolysis. , 2007, , .		2
20	Annual and Inter-annual Variability Coupled with Comparison of MODIS-AERONET Retrieved Aerosol Optical Depth over a Rural Site in the Central Indo-Gangetic Basin. Aerosol Science and Engineering, 2022, 6, 197-211.	1.9	1
21	UV Erythemat Radiation and Its Sensitivity to Changes in Total Column Ozone and Aerosols. Aerosol Science and Engineering, 0, , 1.	1.9	1