

Ajay Kaushal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	800 citations	15 h-index	28 g-index
28 ext. papers	922 ext. citations	4 avg, IF	4.05 L-index

#	Paper	IF	Citations
25	Enhanced local piezoelectric response in the erbium-doped ZnO nanostructures prepared by wet chemical synthesisPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 1-6	2.4	1
24	Structural, optical, thermal, mechanical and dielectric studies of Sulfamic acid single crystals: An influence of dysprosium (Dy ³⁺) doping. <i>Journal of Molecular Structure</i> , 2016 , 1119, 365-372	3.4	18
23	Dielectrical Properties of CeO ₂ Nanoparticles at Different Temperatures. <i>PLoS ONE</i> , 2015 , 10, e0122989	3.7	55
22	Preventing hydrolysis of BaTiO ₃ powders during aqueous processing and of bulk ceramics after sintering. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2471-2478	6	2
21	Effect of Ni doping on structural and optical properties of Zn _{1-x} Ni _x O nanopowder synthesized via low cost sono-chemical method. <i>Materials Research Bulletin</i> , 2015 , 70, 430-435	5.1	11
20	Flux growth and effect of cobalt doping on dielectric, conductivity and relaxation behaviour of 0.91Pb[Zn _{1/3} Nb _{2/3}]O ₃ 0.09PbTiO ₃ crystals. <i>CrystEngComm</i> , 2014 , 16, 9135-9142	3.3	4
19	Fabrication of Barium Strontium Titanate (Ba _{0.6} Sr _{0.4} TiO ₃) 3D Microcomponents from Aqueous Suspensions. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 725-732	3.8	17
18	Fostering the properties of Zr _{0.8} Sn _{0.2} TiO ₄ (ZST) ceramics via freeze granulation without sintering additives. <i>RSC Advances</i> , 2014 , 4, 48734-48740	3.7	11
17	Successful aqueous processing of a lead free 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ piezoelectric material composition. <i>RSC Advances</i> , 2014 , 4, 26993-27002	3.7	15
16	Impedance analysis of 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ ceramics consolidated from micro-granules. <i>Ceramics International</i> , 2014 , 40, 10593-10600	5.1	65
15	Structural, mechanical and dielectric properties of Ba _{0.6} Sr _{0.4} TiO ₃ —The benefits of a colloidal processing approach. <i>Materials Research Bulletin</i> , 2014 , 50, 329-336	5.1	13
14	Far-infrared optical constants of ZnO and ZnO/Ag nanostructures. <i>RSC Advances</i> , 2014 , 4, 20902-20908	3.7	48
13	Er doped ZnO nanoplates: Synthesis, optical and dielectric properties. <i>Ceramics International</i> , 2014 , 40, 1635-1639	5.1	71
12	Is the ubiquitous presence of barium carbonate responsible for the poor aqueous processing ability of barium titanate?. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 2509-2517	6	15
11	Lead-free 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ powder surface treated against hydrolysis is key for a successful aqueous processing. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4846	7.1	17
10	Pulsed laser deposition of transparent ZnO/MgO multilayers. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 200-205	5.7	37
9	Effect of oxygen partial pressure and VO ₂ content on hexagonal WO ₃ thin films synthesized by pulsed laser deposition technique. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 2485-2496	2.3	22

8	VO ₂ /WO ₃ nanocomposite thin films synthesized by pulsed laser deposition technique. <i>Applied Surface Science</i> , 2011 , 257, 8937-8944	6.7	13
7	CRYSTALLINE AgInSe ₂ FILMS ON GLASS BY LASER ABLATION. <i>International Journal of Modern Physics B</i> , 2010 , 24, 5379-5385	1.1	9
6	Effect of Substrate Temperature on Structural, Electrical and Optical Properties of Wurtzite and Cubic Zn _{1-x} MgxO Thin Films Grown by Ultrasonic Spray Pyrolysis 2009 ,		1
5	Room-temperature ferromagnetism in Sn _{1-x} MnxO ₂ nanocrystalline thin films prepared by ultrasonic spray pyrolysis. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3732-3738	2.8	7
4	Structural, electrical and optical properties of transparent Zn _{1-x} MgxO nanocomposite thin films. <i>Thin Solid Films</i> , 2009 , 518, 1394-1398	2.2	22
3	Effect of Mg content on structural, electrical and optical properties of Zn _{1-x} MgxO nanocomposite thin films. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 193-198	6.4	95
2	Mn-doped ZnO nanocrystalline thin films prepared by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 11-15	5.7	124
1	In situ high temperature XRD studies of ZnO nanopowder prepared via cost effective ultrasonic mist chemical vapour deposition. <i>Bulletin of Materials Science</i> , 2008 , 31, 573-577	1.7	97