

Shahzad Naseem

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483
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50
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506
ext. papers

6,552
ext. citations

2.7
avg, IF

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L-index

#	Paper	IF	Citations
483	Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes. <i>Nanomaterials</i> , 2016 , 6,	5.4	350
482	Gold Nanoparticles: An Efficient Antimicrobial Agent against Enteric Bacterial Human Pathogen. <i>Nanomaterials</i> , 2016 , 6,	5.4	153
481	Effect of Tb ³⁺ substitution on the structural and magnetic properties of M-type hexaferrites synthesized by sol-gel auto-combustion technique. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 564-572	5.7	83
480	Preparation and characterization of hybrid pH-sensitive hydrogels of chitosan-co-acrylic acid for controlled release of verapamil. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2805-16	4.5	80
479	Characterization of Copper Oxide Nanoparticles Fabricated by the Sol-Gel Method. <i>Journal of Electronic Materials</i> , 2015 , 44, 3704-3709	1.9	73
478	Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles. <i>Ceramics International</i> , 2017 , 43, 2486-2494	5.1	72
477	High efficiency indium tin oxide/indium phosphide solar cells. <i>Applied Physics Letters</i> , 1985 , 46, 164-166	3.4	71
476	Synthesis of super paramagnetic particles of Mn _{1-x} Mg _x Fe ₂ O ₄ ferrites for hyperthermia applications. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 116-119	5.7	57
475	Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications. <i>PLoS ONE</i> , 2016 , 11, e0158084	3.7	54
474	Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6755-6763	7.1	50
473	Room temperature ferromagnetism in sol-gel deposited un-doped ZnO films. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 59, 584-590	2.3	50
472	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. <i>Nanomaterials</i> , 2016 , 6,	5.4	49
471	Structural and complex impedance spectroscopic studies of Mg-substituted CoFe ₂ O ₄ . <i>Ceramics International</i> , 2016 , 42, 18271-18282	5.1	47
470	Effects of oxygen partial pressure on the properties of reactively evaporated thin films of indium oxide. <i>Thin Solid Films</i> , 1988 , 156, 161-171	2.2	47
469	Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties. <i>Materials Science in Semiconductor Processing</i> , 2015 , 39, 283-291	4.3	46
468	Photocatalytic, antibacterial, optical and magnetic properties of Fe-doped ZnO nano-particles prepared by sol-gel. <i>Materials Science in Semiconductor Processing</i> , 2018 , 88, 109-119	4.3	46
467	Tunable structural and electrical impedance properties of pyrochlores based Nd doped lanthanum zirconate nanoparticles for capacitive applications. <i>Ceramics International</i> , 2018 , 44, 2170-2177	5.1	46

466	Room-temperature ferromagnetism in Ni-doped TiO ₂ diluted magnetic semiconductor thin films. <i>Journal of Applied Research and Technology</i> , 2017 , 15, 132-139	1.7	45
465	Influence of cobalt doping on structural and magnetic properties of BiFeO ₃ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	41
464	Nanocrystalline Zn _{1-x} Co _{0.5} Ni _{0.5} Fe ₂ O ₄ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 56-61	2.8	40
463	Encapsulation and characterization of controlled release flurbiprofen loaded microspheres using beeswax as an encapsulating agent. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1621-30	4.5	39
462	Synthesis and characterization of silver nanoparticle-decorated cobalt nanocomposites (Co@AgNPs) and their density-dependent antibacterial activity. <i>Royal Society Open Science</i> , 2019 , 6, 182135	3.3	38
461	Microwave-Assisted Green Synthesis and Characterization of Silver Nanoparticles Using for the Management of Wilt in Tomato. <i>Frontiers in Microbiology</i> , 2020 , 11, 238	5.7	37
460	Influence of Pb doping on structural, electrical and magnetic properties of Sr-hexaferrites. <i>Journal of Alloys and Compounds</i> , 2013 , 555, 263-267	5.7	37
459	Deposition of titanium nitride on Si(100) wafers using plasma focus. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 768-772	1.2	37
458	Structural and dielectric properties of doped ferrite nanomaterials suitable for microwave and biomedical applications. <i>Progress in Natural Science: Materials International</i> , 2015 , 25, 419-424	3.6	36
457	Structural and electromagnetic behavior evaluation of Nd-doped lithium-cobalt nanocrystals for recording media applications. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 268-273	5.7	35
456	First principles study of scandium nitride and yttrium nitride alloy system: Prospective material for optoelectronics. <i>Superlattices and Microstructures</i> , 2015 , 85, 24-33	2.8	33
455	Annealing time dependent up-conversion luminescence enhancement in magnesium-ellurite glass. <i>Journal of Luminescence</i> , 2013 , 136, 145-149	3.8	33
454	Fabrication and properties of zinc oxide thin film prepared by sol-gel dip coating method. <i>Materials Science-Poland</i> , 2015 , 33, 515-520	0.6	33
453	Nanosized Ce ₂ N substituted microwave absorber material for X-band applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 370, 25-31	2.8	32
452	Optoelectrical and structural properties of evaporated indium oxide thin films. <i>Solar Energy Materials and Solar Cells</i> , 1993 , 31, 155-162	6.4	32
451	Role of Tb-Mn substitution on the magnetic properties of Y-type hexaferrites. <i>Journal of Alloys and Compounds</i> , 2014 , 599, 131-138	5.7	31
450	The influence of deposition parameters on the optical and electrical properties of r.f.-sputter-deposited indium tin oxide films. <i>Thin Solid Films</i> , 1986 , 138, 65-70	2.2	31
449	Preparation and characterization of crack-free sol-gel based SiO ₂ /TiO ₂ hybrid nanoparticle film. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 68, 162-168	2.3	30

448	Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths. <i>Materials Science in Semiconductor Processing</i> , 2015 , 30, 292-297	4.3	29
447	A Comparative Assessment of Nanotoxicity Induced by Metal (Silver, Nickel) and Metal Oxide (Cobalt, Chromium) Nanoparticles in. <i>Nanomaterials</i> , 2019 , 9,	5.4	28
446	Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO ₃ thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 329-339	2.3	28
445	Structural, infrared, magnetic and microwave absorption properties of rare earth doped X-type hexagonal nanoferrites. <i>Journal of Alloys and Compounds</i> , 2013 , 570, 7-13	5.7	28
444	MeV carbon ion irradiation-induced changes in the electrical conductivity of silver nanowire networks. <i>Current Applied Physics</i> , 2015 , 15, 642-647	2.6	27
443	Structural, Electrical and Magnetic Properties of Iron Oxide Thin Films. <i>Advanced Science Letters</i> , 2013 , 19, 828-833	0.1	27
442	Magnetic and antibacterial studies of sol-gel dip coated Ce doped TiO ₂ thin films: Influence of Ce contents. <i>Ceramics International</i> , 2020 , 46, 381-390	5.1	27
441	Microwave-assisted sol-gel synthesis of BiFeO ₃ nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 310-319	2.3	26
440	Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT studies. <i>Materials Chemistry and Physics</i> , 2015 , 160, 440-446	4.4	26
439	Antimicrobial activity of citric acid functionalized iron oxide nanoparticles Superparamagnetic effect. <i>Ceramics International</i> , 2020 , 46, 10942-10951	5.1	26
438	Structural and dielectric properties of sol-gel synthesized (Mn, Cu) co-doped BiFeO ₃ ceramics. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 814-820	2.3	26
437	Sol-gel based phenolphthalein encapsulated heterogeneous silica/titania optochemical pH nanosensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 258-268	6.3	26
436	Correlation between structural and optical properties of surfactant assisted sol-gel based mesoporous SiO ₂ /TiO ₂ hybrid nanoparticles for pH sensing/optochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 66-73	8.5	26
435	Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe ₂ O ₄ ferrites. <i>Superlattices and Microstructures</i> , 2016 , 93, 50-56	2.8	26
434	Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted BaMnO ₃ hexagonal perovskites. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 720-731	5.7	25
433	Temperature dependent magnetic and microwave absorption properties of doubly substituted nanosized material. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 385, 236-242	2.8	25
432	Controlled nanostructuring of TiO ₂ nanoparticles: a sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 299-309	2.3	25
431	Synthesis of Iron Oxide Nanoparticles by Sol-Gel Technique and Their Characterization. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	25

430	Optical and structural properties of thin films of ZnO at elevated temperature. <i>Journal of Alloys and Compounds</i> , 2014 , 606, 177-181	5.7	25
429	Structural and magnetic response of Mn substituted Co ₂ Y-type barium hexaferrites. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 1017-1024	5.7	24
428	Sol-gel based fiber optic pH nanosensor: Structural and sensing properties. <i>Sensors and Actuators A: Physical</i> , 2016 , 238, 8-18	3.9	24
427	Surface roughness and electrical resistivity of high-purity zinc irradiated with nanosecond visible laser pulses. <i>Applied Surface Science</i> , 2014 , 305, 466-473	6.7	24
426	Mesoporous SiO ₂ /TiO ₂ nanocomposite for pH sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 993-1002	8.5	23
425	Spin canting effect and microwave absorption properties of Sm/Mn substituted nanosized material. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 159-165	2.8	23
424	Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method. <i>Superlattices and Microstructures</i> , 2015 , 82, 472-482	2.8	23
423	Synthesis and characterization of multilayered sol-gel based plastic-clad fiber optic pH sensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 23, 140-144	6.3	23
422	Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO ₃ multiferroic nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8966-8972	2.1	23
421	Effects of pH on the crystallographic structure and magnetic properties of electrodeposited cobalt nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 215-219	2.8	22
420	Magnetic and magnetization properties of iron oxide thin films by microwave assisted sol-gel route. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 320-328	2.3	22
419	Magnetic phase transition and magneto-dielectric analysis of spinel chromites: MCr ₂ O ₄ (M = Fe, Co and Ni). <i>Ceramics International</i> , 2018 , 44, 10229-10235	5.1	22
418	Microstructural and optical properties of dysprosium doped copper oxide thin films fabricated by pulsed laser deposition technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8197-8205	2.1	22
417	Influence of Nd-Co Substitution on Structural, Electrical, and Dielectric Properties of X-Type Hexagonal Nanoferrites. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 622-627	1.6	22
416	Investigation of induced parallel magnetic anisotropy at low deposition temperature in Ba-hexaferrites thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 711-716	2.8	22
415	Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La _{0.1} Bi _{0.9} FeO ₃ multiferroics. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 352-356	2.3	22
414	Modeling and preparation of practical optical filters. <i>Current Applied Physics</i> , 2009 , 9, 1046-1053	2.6	22
413	Characterization of Ta ₂ O ₅ thin films prepared by reactive evaporation. <i>EPJ Applied Physics</i> , 2006 , 36, 119-124	1.1	22

412	Characterization of reactively evaporated TiO ₂ thin films as high and medium index layers for optical applications. <i>EPJ Applied Physics</i> , 2006 , 35, 177-184	1.1	22
411	Microwave assisted synthesis and antimicrobial activity of Fe ₃ O ₄ -doped ZrO ₂ nanoparticles. <i>Ceramics International</i> , 2019 , 45, 10106-10113	5.1	21
410	Structural, dielectric and ferromagnetic properties of nano-crystalline Co-doped SnS. <i>Journal of Materials Science</i> , 2017 , 52, 7369-7381	4.3	20
409	Deposition and characterization of multilayer DLC:Mo thin films grown on silicon substrate by off-axis pulsed laser deposition technique. <i>Applied Surface Science</i> , 2015 , 331, 407-414	6.7	20
408	Dip coated nickel zinc oxide thin films: Structural, optical and magnetic investigations. <i>Superlattices and Microstructures</i> , 2015 , 77, 171-180	2.8	20
407	An efficient Sm and Ge co-doped ceria nanocomposite electrolyte for low temperature solid oxide fuel cells. <i>Ceramics International</i> , 2018 , 44, 170-174	5.1	20
406	Design and implementation of an efficient FIR digital filter. <i>Cogent Engineering</i> , 2017 , 4, 1323373	1.5	20
405	Room temperature ferromagnetism in single-phase Zn _{1-x} Mn _x S diluted magnetic semiconductors fabricated by co-precipitation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	19
404	Correlation of La-mediated structural transition and dielectric relaxation in Bi ₂ Mg _{2/3} Nb _{4/3} O ₇ pyrochlores. <i>Ceramics International</i> , 2019 , 45, 14576-14585	5.1	19
403	Fe ₃ O ₄ stabilized zirconia: structural, mechanical and optical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 281-289	2.3	19
402	Role of Mn in biological, optical, and magnetic properties ZnO nano-particles. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	19
401	Surface functionality and optical properties impact of phenol red dye on mesoporous silica matrix for fiber optic pH sensing. <i>Sensors and Actuators A: Physical</i> , 2018 , 276, 267-277	3.9	19
400	Enhanced magnetic and structural properties of Ca doped BiFeO ₃ thin films. <i>Indian Journal of Physics</i> , 2014 , 88, 1037-1044	1.4	19
399	Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4408-4414	6.3	19
398	Surfactant and template free synthesis of porous ZnS nanoparticles. <i>Materials Chemistry and Physics</i> , 2017 , 189, 28-34	4.4	18
397	Optical properties and antibacterial activity of V doped ZnO used in solar cells and biomedical applications. <i>Materials Research Bulletin</i> , 2019 , 115, 121-129	5.1	18
396	Tunable microwave absorbing nano-material for X-band applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 63-69	2.8	18
395	Investigation of structural, electrical, electrical polarization and dielectric properties of CTAB assisted Ni ²⁺ substituted R-type nano-hexaferrites. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 1112-1118	5.7	18

394	Magnetic and Magnetization Properties of Co-Doped Fe ₂ O ₃ Thin Films. <i>IEEE Transactions on Magnetism</i> , 2014 , 50, 1-4	2	18
393	Preparation and Characterization of ZnO Nanowires and their Applications in CO ₂ Gas Sensors. <i>Materials Today: Proceedings</i> , 2015 , 2, 5714-5719	1.4	18
392	LOWER TEMPERATURE FORMATION OF ALUMINA THIN FILMS THROUGH SOL-GEL ROUTE. <i>Surface Review and Letters</i> , 2008 , 15, 681-688	1.1	18
391	Effect of zinc induced compressive stresses on different properties of copper oxide thin films. <i>Indian Journal of Physics</i> , 2015 , 89, 353-360	1.4	17
390	Structural, magnetic and dielectric properties of spinel MgFe ₂ O ₄ by sol-gel route. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 340-351	2.3	17
389	Enhanced magnetic, antibacterial and optical properties of Sm doped ZnO thin films: Role of Sm doping. <i>Optical Materials</i> , 2020 , 108, 110457	3.3	17
388	Controlled Nanostructuring of Multiphase Core-Shell Iron Oxide Nanoparticles. <i>IEEE Transactions on Magnetism</i> , 2014 , 50, 1-4	2	16
387	Electron beam induced nanostructures and band gap tuning of ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2013 , 563, 280-284	5.7	16
386	Plasmon-Enhanced Upconversion Fluorescence in Er ³⁺ :Ag Phosphate Glass: the Effect of Heat Treatment. <i>Chinese Physics Letters</i> , 2013 , 30, 027301	1.8	16
385	Sol-Gel Synthesis of BiFeO ₃ Nanoparticles. <i>Materials Today: Proceedings</i> , 2015 , 2, 5293-5297	1.4	16
384	Structural, electronic, and magnetic properties of Co-doped ZnO. <i>Chinese Physics B</i> , 2012 , 21, 097101	1.2	16
383	Reactively evaporated multilayer antireflection coatings for Ge optical window. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2065-2070	3	16
382	Indium tin oxide/gallium arsenide solar cells. <i>Journal of Applied Physics</i> , 1985 , 58, 4463-4464	2.5	16
381	Protons Irradiation Induced Coalescence of Silver Nanowires. <i>Current Nanoscience</i> , 2015 , 11, 792-796	1.4	16
380	Synthesis of NiO nanoparticles by sol-gel technique. <i>Materials Science-Poland</i> , 2018 , 36, 547-552	0.6	16
379	Synthesis of stabilized zirconia hollow nanoparticles: sugar as a template. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 275-280	2.3	15
378	Efficient energy storage and fast switching capabilities in Nd-substituted La ₂ Sn ₂ O ₇ pyrochlores. <i>Chemical Engineering Journal</i> , 2020 , 396, 125198	14.7	15
377	Surface morphology and structural characterization of high-purity iron irradiated with Nd:YAG pulsed laser. <i>Physica B: Condensed Matter</i> , 2013 , 425, 58-65	2.8	15

376	A COMPREHENSIVE DFT STUDY OF ZINC OXIDE IN DIFFERENT PHASES. <i>International Journal of Modern Physics C</i> , 2012 , 23, 1250043	1.1	15
375	Characterization of laser-produced plasma ions of various metals and their effect on the optical properties of the CR-39 polymer. <i>Radiation Effects and Defects in Solids</i> , 2013 , 168, 1-9	0.9	15
374	Structural and magnetic properties of cadmium substituted NiAl ferrites. <i>Physica B: Condensed Matter</i> , 2011 , 406, 2555-2558	2.8	15
373	Immunomodulatory and growth-promoting effect of a probiotic supplemented in the feed of broiler chicks vaccinated against infectious bursal disease. <i>Brazilian Journal of Poultry Science</i> , 2012 , 14, 109-113	1.3	15
372	BARIUM TITANATE FILMS FOR ELECTRONIC APPLICATIONS: STRUCTURAL AND DIELECTRIC PROPERTIES. <i>Surface Review and Letters</i> , 2008 , 15, 237-244	1.1	15
371	Structural and dielectric study of nano-crystalline single phase Sn _{1-x} Ni _x S (x Ni =0-10%) showing room temperature ferromagnetism. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 303-310	2.6	14
370	Probe of ZrTiO thin films with TiO-ZrO binary oxides deposited by dip coating technique. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 183, 357-366	6.7	14
369	Tunable structural and electrical impedance properties of ordered and disordered iron oxide phases for capacitive applications. <i>Ceramics International</i> , 2018 , 44, 16352-16364	5.1	14
368	Room temperature stabilized TiO ₂ doped ZrO ₂ thin films for teeth coatings: A sol-gel approach. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 1238-1252	5.7	14
367	Fabrication of Amorphous Silver Nanowires by Helium Ion Beam Irradiation. <i>Chinese Physics Letters</i> , 2015 , 32, 096101	1.8	14
366	Encapsulation and characterization of flurbiprofen loaded poly(ϵ -caprolactone)/poly(vinylpyrrolidone) blend micropheres by solvent evaporation method. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 281-289	2.3	14
365	Pulsed laser deposition and characterization of multilayer metal-carbon thin films. <i>Applied Surface Science</i> , 2011 , 257, 6445-6450	6.7	14
364	Sol-gel-based single and multilayer nanoparticle thin films on low-temperature substrate poly-methyl methacrylate for optical applications. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 77, 396-403	2.3	13
363	Structural and optical properties of gold-incorporated diamond-like carbon thin films deposited by RF magnetron sputtering. <i>Materials Research Express</i> , 2017 , 4, 076403	1.7	13
362	Study of structural, magnetic and microwave absorption properties of Dy-Mn substituted nanosized material in X-band frequency range. <i>Journal of Alloys and Compounds</i> , 2017 , 715, 284-290	5.7	13
361	700 keV Ni ⁺² ions induced modification in structural, surface, magneto-optic and optical properties of ZnO thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 368, 45-49	1.2	13
360	Structural and optical properties of CR-39 polymer implanted with laser produced plasma ions of iron. <i>Physica B: Condensed Matter</i> , 2014 , 454, 179-183	2.8	13
359	Iron Oxide Nanoparticles Prepared by Modified Co-Precipitation Method. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	13

358	Effect of Calcination on Properties of ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015 , 2, 5468-5474		13
357	Structural, Optical, and Dielectric Properties of Aluminum Oxide Nanofibers Synthesized by a Lower-Temperature Sol-gel Approach. <i>Journal of Electronic Materials</i> , 2016 , 45, 5185-5197	1.9	13
356	Tuning of optical and antibacterial characteristics of ZnO thin films: Role of Ce content. <i>Ceramics International</i> , 2019 , 45, 3930-3939	5.1	13
355	Sm-mediated dielectric characteristics and tunable magneto-electric coefficient of 0.5Bi _{1-x} Sm _x Fe _{0.95} Mn _{0.05} O ₃ -0.5PbTiO ₃ composites. <i>Ceramics International</i> , 2019 , 45, 7690-7695	5.1	13
354	Effect of Cu doping on the structural, magnetic and optical properties of ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	13
353	Optimization of magnetodielectric coupling in Mn substituted BiFeO ₃ for potential memory devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11812-11823	2.1	13
352	Characteristics of Al-doped ZnO:Ni films grown on glass by sol-gel dip coating technique. <i>Journal of Saudi Chemical Society</i> , 2017 , 21, 425-433	4.3	12
351	Effect of in-situ oxidation on structure and ferromagnetic properties of Fe ₃ Al and FeAl ₂ O ₄ thin films prepared by electrodeposition. <i>Ceramics International</i> , 2018 , 44, 9550-9560	5.1	12
350	Crack-free high surface area silica-titania nanocomposite coating as opto-chemical sensor device. <i>Sensors and Actuators A: Physical</i> , 2018 , 270, 153-161	3.9	12
349	Structural tuning of dielectric properties of Ce-substituted Nd ₂ Zr ₂ O ₇ . <i>Journal of Saudi Chemical Society</i> , 2019 , 23, 397-406	4.3	12
348	Structural, magnetic, dielectric and bonding properties of BiMnO ₃ grown by co-precipitation technique. <i>Results in Physics</i> , 2017 , 7, 3190-3195	3.7	12
347	Tunable dielectric behaviour and energy band gap range of ZnAl ₂ O ₄ ceramics mediated by Mg substitution. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 940-950	5.7	12
346	Thermally assisted electro-active regions in SrMnO ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2017 , 200, 128-135	4.4	12
345	Self-assembled hierarchical phenolphthalein encapsulated silica nanoparticles: Structural, optical and sensing response. <i>Sensors and Actuators A: Physical</i> , 2017 , 266, 111-121	3.9	11
344	Highly stable dielectric frequency response of chemically synthesized Mn-substituted ZnFe ₂ O ₄ . <i>Journal of Saudi Chemical Society</i> , 2019 , 23, 417-426	4.3	11
343	Ferromagnetic Effects in Cr-Doped Fe ₂ O ₃ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
342	Magnetic Properties of Fe ₃ O ₄ Stabilized Zirconia. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
341	Optical, magnetic and structural properties of Cr-doped ZnO thin films by sol-gel dip-coating method. <i>Materials Research Express</i> , 2017 , 4, 096403	1.7	11

- 340 Origin of Ferromagnetism in Al and Ni Co-doped ZnO Based DMS Materials. *Chinese Physics Letters*, **2012**, 29, 106103 1.8 11
- 339 Use of *Opuntia dillenii* Seeds for Sorptive Removal of Acidic Textile Dyes from Water in Benign Way. *Asian Journal of Chemistry*, **2013**, 25, 7710-7714 0.4 11
- 338 Post-annealing modification in structural properties of ZnO thin films on p-type Si substrate deposited by evaporation. *Materials Science in Semiconductor Processing*, **2008**, 11, 30-35 4.3 11
- 337 Microwave assisted sol-gel synthesis of bioactive zirconia nanoparticles - Correlation of strength and structure. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 112, 104012 4.1 11
- 336 Structural and Magnetic Response in Bimetallic Core/Shell Magnetic Nanoparticles. *Nanomaterials*, **2016**, 6, 5-4 11
- 335 Role of precursor to solvent ratio in tuning the magnetization of iron oxide thin films [A sol-gel approach. *Journal of Magnetism and Magnetic Materials*, **2019**, 471, 14-24 2.8 11
- 334 Synthesis of optically active bromophenol blue encapsulated mesoporous silica/titania nanomatrix: structural and sensing characteristics. *Journal of Sol-Gel Science and Technology*, **2018**, 85, 231-242 2.3 11
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