

# Shahzad Naseem

## 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.

483  
papers

5,381  
citations

32  
h-index

50  
g-index

506  
ext. papers

6,552  
ext. citations

2.7  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
483	Sustainable synthesis of microwave-assisted IONPs using <i>Spinacia oleracea</i> L. for control of fungal wilt by modulating the defense system in tomato plants.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 8	9.4	1
482	Role of Ca doping on oxygen vacancy production in modulating dielectric, ferroelectric and magnetic polarization in BaTiO <sub>3</sub> thin films. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 16, 993-1007	5.5	1
481	Thermally stable mesoporous pH dyes encapsulated titania nanocomposites for opto-chemical sensing. <i>Materials Research Bulletin</i> , <b>2022</b> , 146, 111605	5.1	2
480	Dielectric and ferroelectric properties of X8R perovskite barium titanate for application in multilayered ceramics capacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 7405-7422	2.1	
479	Vanadium modified di-bismuth tetra-oxide thin films; synthesis, characterization and properties. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 282, 125944	4.4	
478	Electrochemical performance and large positive/negative magnetodielectric coupling in iron chromite spinels. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103800	5.9	
477	Determination of dual magnetic phases and the study of structural, dielectric, electrical, surface morphological, optical properties of Ce <sup>3+</sup> substituted hexagonal ferrites. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 906, 164324	5.7	0
476	Antifungal Potential of Green Synthesized Magnetite Nanoparticles Black Coffee-Magnetite Nanoparticles Against Wilt Infection by Ameliorating Enzymatic Activity and Gene Expression in L.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 754292	5.7	
475	Spin Reorientation and Magnetodielectric Anomalies in Fe <sub>x</sub> O <sub>1+x</sub> (x=2,3) Thin Films-Effect of Microwave Radiations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 169359	2.8	0
474	Analysis of the Nd dopant on optical, dielectric and biological properties of ZnO nanostructures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 126, 105016	4.1	0
473	Toxicity Evaluation of Arsenic Nanoparticles on Growth, Biochemical, Hematological, and Physiological Parameters of <i>Labeo rohita</i> Juveniles. <i>Advances in Materials Science and Engineering</i> , <b>2021</b> , 2021, 1-10	1.5	1
472	Investigation of structural and optical parameters of yttrium-doped ZnO thin films prepared via spin coating of simple aqueous solution. <i>Bulletin of Materials Science</i> , <b>2021</b> , 44, 1	1.7	2
471	Microwave assisted synthesis of FeO stabilized ZrO nanoparticles - Free radical scavenging, radiolabeling and biodistribution in rabbits. <i>Life Sciences</i> , <b>2021</b> , 271, 119070	6.8	1
470	Dielectric and magnetic variance in NiCo <sub>2</sub> O <sub>4</sub> spinels mediated by Zn-substitution for efficient data and energy storage. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	0
469	Numerical Modeling and Optimization of Lead-Free Hybrid Double Perovskite Solar Cell by Using SCAPS-1D. <i>Journal of Renewable Energy</i> , <b>2021</b> , 2021, 1-12	1.4	10
468	UV-A Treatment of ZrO <sub>2</sub> Thin Films Fabricated by Environmental Friendlier Water-Based Solution Processing: Structural and Optical Studies. <i>Coatings</i> , <b>2021</b> , 11, 821	2.9	2
467	Impact of interfacial trap states on achieving bias stability in polymer field-effect transistors. <i>Microelectronic Engineering</i> , <b>2021</b> , 247, 111602	2.5	0

466	Antibacterial, magnetic and dielectric properties of nano-structured V doped TiO <sub>2</sub> thin films deposited by dip coating technique. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 267, 124659	4.4	3
465	Acetone sensing and modeling through functionalized Ag-catalysts and CNTs via low cost metal-organic framework-derived ZnO nanostructures. <i>Ceramics International</i> , <b>2021</b> , 47, 3361-3367	5.1	1
464	Polypyrrole-based nanocomposites architecture as multifunctional material for futuristic energy storage applications. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 855, 157341	5.7	4
463	Characterization and curve fittings of Mg <sup>2+</sup> substituted R-type hexagonal ferrites. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 605, 412642	2.8	2
462	Tangerine mediated synthesis of zirconia as potential protective dental coatings. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111653	8.3	3
461	Dielectric and magnetic response of iron oxide nanoparticles embedded in unsaturated polyester resin. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 602, 412554	2.8	2
460	Structural and antimicrobial response of chitosan capped gold nanostructures employing two different synthetic routes. <i>Optical Materials</i> , <b>2021</b> , 112, 110741	3.3	3
459	Biodistribution of iron-oxide-stabilized <sup>99m</sup> Tc- ZrO <sub>2</sub> nanoparticles in rabbit using honey as a capping agent-microwave-assisted sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 98, 95-112	2.3	1
458	Ecofriendly Water-Based Solution Processing: Preliminary Studies of Zn-ZrO <sub>2</sub> Thin Films for Microelectronics Applications. <i>Coatings</i> , <b>2021</b> , 11, 901	2.9	0
457	Structural confirmation and elucidation of optical, photo-catalytic and antibacterial properties of cerium doped Bi <sub>2</sub> O <sub>4</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 155, 110104	3.9	0
456	Effect of pH on phenolphthalein immobilized gold nanoparticles/nanostructures for pH sensing evaluations: sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 100, 192-204	2.3	1
455	Thermally stable and fast responsive mesoporous cresol red functionalized silica and titania nanomaterials: fiber optic pH sensors. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 99, 497-511	2.3	1
454	Sol-gel synthesized boron nitride (BN) thin films for antibacterial and magnetic applications. <i>Optik</i> , <b>2021</b> , 243, 167502	2.5	2
453	Optically functionalized hierarchical hematite assembled silica-titania nanocomposites for hydrocarbon detection: Fiber optic chemical sensor. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 326, 111398	5.3	1
452	Experimental and theoretical studies: Impact of Mg-Yb double substitution on structural, dielectric and electrical properties of nanoferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 273, 115435	3.1	1
451	Spin polarization and magneto-dielectric coupling in Al-modified thin iron oxide films -microwave mediated sol-gel approach. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 49-66	6.3	1
450	Inhibition mechanism of green-synthesized copper oxide nanoparticles from Cassia fistula towards <i>Fusarium oxysporum</i> by boosting growth and defense response in tomatoes. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 1729-1748	7.1	6
449	Ultrasensitive piezoresistive strain sensors based on CNTs/Ag-NPs coated highly stretchable textile. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 9870-9877	2.1	2

448	Silica-titania nanocomposite based fiber optic sensor for aromatic hydrocarbons detection. <i>Optics Communications</i> , <b>2020</b> , 471, 125825	2	10
447	Transparent boron-doped zinc oxide films for antibacterial and magnetic applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 11911-11926	2.1	7
446	Theoretical and Experimental Investigation of Microwave Absorbing X-Type Hexaferrites Nanomaterial Synthesized by Cotton Soaked Method. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-10	2	1
445	Synthesis of Ni <sub>80</sub> Fe <sub>20</sub> permalloy antidots for high storage ferroelectric memories. <i>Materials Letters</i> , <b>2020</b> , 271, 127852	3.3	4
444	Dielectric and Magnetic Properties of Rare-Earth Metal Ce-Doped ZnO Thin Films. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 3114-3123	1.9	0
443	Microwave-Assisted Green Synthesis and Characterization of Silver Nanoparticles Using for the Management of Wilt in Tomato. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 238	5.7	37
442	Dielectric and magnetic properties of dilute magnetic semiconductors Ag-doped ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	5
441	STUDY OF FORMATION OF DEFECTS/DEFECT CLUSTERS IN NICKEL NANOWIRES. <i>Surface Review and Letters</i> , <b>2020</b> , 27, 1950216	1.1	
440	Thermally stable Au decorated silica-titania mesoporous nanocomposite for pH sensing evaluation. <i>Applied Surface Science</i> , <b>2020</b> , 521, 146329	6.7	5
439	Solvent mediated phase stability and temperature dependent magnetic modulation in BiFeO <sub>3</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 503, 166563	2.8	8
438	Role of Mn in biological, optical, and magnetic properties ZnO nano-particles. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	19
437	Magneto-electric coupling and multifunctionality in BiFeO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> core-shell nano-composites. <i>Ceramics International</i> , <b>2020</b> , 46, 12828-12836	5.1	7
436	Colossal dielectric constant and ferroelectric investigation of BaTiO <sub>3</sub> nano-ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 5402-5415	2.1	4
435	Antimicrobial activity of citric acid functionalized iron oxide nanoparticles Superparamagnetic effect. <i>Ceramics International</i> , <b>2020</b> , 46, 10942-10951	5.1	26
434	Magnetoelectric coupling caused by strain mediation in hetero-structured spinel-perovskite multiferroic composites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 500, 166409	2.8	10
433	Dip-coated V doped ZnO thin films: Dielectric and magnetic properties. <i>Ceramics International</i> , <b>2020</b> , 46, 14605-14612	5.1	7
432	La <sup>3+</sup> -substituted Ferrite: Investigation of structural, dielectric, FTIR and electrical polarization properties. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 831, 154854	5.7	7
431	Effect of post-deposition annealing temperature on the charge carrier mobility and morphology of DPPDTT based organic field effect transistors. <i>Chemical Physics Letters</i> , <b>2020</b> , 750, 137507	2.5	4

430	Identification of frequency regimes for short and long range mobility of charge carriers in GO/MnFe <sub>2</sub> O <sub>4</sub> /PPy nanocomposites. <i>Synthetic Metals</i> , <b>2020</b> , 263, 116336	3.6	6
429	Efficient energy storage and fast switching capabilities in Nd-substituted La <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlores. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125198	14.7	15
428	Comparison of optical constants of sputtered MoS <sub>2</sub> and MoS <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 7753-7759	2.1	
427	Microwave assisted tuning of optical and magnetic properties of zinc oxide nanorods Efficient antibacterial and photocatalytic agent. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 95, 88-100	2.3	2
426	Modification in properties of Ni-NWs meshes by Ar <sup>+</sup> ions beam irradiation. <i>Materials Research Express</i> , <b>2020</b> , 7, 065008	1.7	2
425	Simultaneous normal & Anomalous dielectric dispersion and room temperature ferroelectricity in CBD perovskite BaTiO <sub>3</sub> thin films. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 11439-11452	5.5	7
424	Assessment of antibacterial and optical features of sol-gel dip coated La doped TiO <sub>2</sub> thin films. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 250, 123217	4.4	10
423	Flexible ferroelectric and magnetic orders in BiFeO <sub>3</sub> /MnFe <sub>2</sub> O <sub>4</sub> nanocomposites to steer wide range energy and data storage capability. <i>Results in Physics</i> , <b>2020</b> , 16, 102956	3.7	4
422	Enhancement in the mobility of solution processable polymer based FET by incorporating graphene interlayer. <i>Superlattices and Microstructures</i> , <b>2020</b> , 137, 106331	2.8	3
421	Morphologically controlled dielectric dispersion and energy density optimization in Co/Ni spinel ferrites. <i>Ceramics International</i> , <b>2020</b> , 46, 9765-9772	5.1	3
420	Peculiar magnetic behavior and structural, electrical, dielectric properties of substituted R-type hexagonal ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 499, 166309	2.8	8
419	Antibacterial performance of glucose-fructose added MW based zirconia coatings - Possible treatment for bone infection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 104, 103621	4.1	8
418	Magneto-dielectric properties of in-situ oxidized magnesium-aluminium spinel thin films using electrodeposition. <i>Ceramics International</i> , <b>2020</b> , 46, 8588-8600	5.1	2
417	Stirring-mediated anomalous dielectric behaviour of electrodeposited and in situ oxidized FeAl <sub>2</sub> O <sub>4</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 814-831	2.1	
416	Antibacterial, magnetic, optical and dielectric analysis of novel La <sub>2</sub> O <sub>3</sub> doped ZnO thin films. <i>Optical Materials</i> , <b>2020</b> , 109, 110287	3.3	8
415	In-vitro hemolytic activity and free radical scavenging by sol-gel synthesized Fe <sub>3</sub> O <sub>4</sub> stabilized ZrO <sub>2</sub> nanoparticles. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 7598-7608	5.9	7
414	Enhanced magnetic, antibacterial and optical properties of Sm doped ZnO thin films: Role of Sm doping. <i>Optical Materials</i> , <b>2020</b> , 108, 110457	3.3	17
413	Fast responsive thermally stable silica microspheres for sensing evaluation: sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 96, 614-626	2.3	3

4 <sup>12</sup>	Effect of capping agent on microwave assisted sol-gel synthesized zirconia coatings for optical applications. <i>Optik</i> , <b>2020</b> , 222, 165297	2.5	2
4 <sup>11</sup>	Polymer based nickel ferrite as dielectric composite for energy storage applications. <i>Synthetic Metals</i> , <b>2020</b> , 268, 116507	3.6	9
4 <sup>10</sup>	Ethylene glycol assisted three-dimensional floral evolution of BiFeO <sub>3</sub> -based nanostructures with effective magneto-electric response. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 200642	3.3	4
4 <sup>09</sup>	Microwave assisted sol-gel synthesis of bioactive zirconia nanoparticles - Correlation of strength and structure. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 112, 104012	4.1	11
4 <sup>08</sup>	Biosynthesis, characterization and anti-dengue vector activity of silver nanoparticles prepared from and. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 200540	3.3	6
4 <sup>07</sup>	A New in-Plane Bending Test to Determine Flow Curves for Materials with Low Uniform Elongation. <i>Experimental Mechanics</i> , <b>2020</b> , 60, 1225-1238	2.6	3
4 <sup>06</sup>	Exploration of structural, optical, dielectric properties and curve fittings of Yb <sup>3+</sup> -substituted R-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 17931-17942	2.1	2
4 <sup>05</sup>	Magnetic and antibacterial studies of sol-gel dip coated Ce doped TiO <sub>2</sub> thin films: Influence of Ce contents. <i>Ceramics International</i> , <b>2020</b> , 46, 381-390	5.1	27
4 <sup>04</sup>	Enhanced structural and magnetic ordering in as-synthesized Ca doped bismuth iron oxide nanoceramics. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 154725	5.7	9
4 <sup>03</sup>	Structural, morphological and dielectric investigation of spinel chromite (XCr <sub>2</sub> O <sub>4</sub> , X = Zn, Mn, Cu & Fe) nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 17623-17629	2.1	4
4 <sup>02</sup>	Analysis of dielectric dispersion and magnetoelectric coupling in BiFeO <sub>3</sub> and NiFe <sub>2</sub> O <sub>4</sub> nanocomposites. <i>Ceramics International</i> , <b>2019</b> , 45, 24453-24460	5.1	10
4 <sup>01</sup>	Dielectric dispersion in CoFe <sub>2</sub> O <sub>4</sub> /PVDF nanocomposites influenced by ceramic contents and thermal mediation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 19289-19301	2.1	3
4 <sup>00</sup>	Tunable properties of rare earth elements (Ce, Dy, Yb, La and Pr) substituted R-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 19394-19403	2.1	5
399	Tuning of opto-electrical properties of hematite thin films using Co <sup>2+</sup> doping. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 4203-4218	2.1	6
398	In vivo anti-proliferative activity of silver nanoparticles against <i>Pseudomonas aeruginosa</i> in freshwater <i>Labeo rohita</i> . <i>Applied Nanoscience (Switzerland)</i> , <b>2019</b> , 9, 2039-2049	3.3	1
397	Fluoride ion assisted growth of hierarchical flowerlike nanostructures of Co/Ni ferrites and their magnetoresistive response.. <i>RSC Advances</i> , <b>2019</b> , 9, 17581-17590	3.7	2
396	Role of barium substitution on oxygen vacancy reduction in BiFeO <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 13305-13320	2.1	1
395	The role of samarium incorporated structural defects in ZnO thin films prepared by femtosecond pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 800, 191-197	5.7	6

394	The contribution of Cr(III)-doping on the modulation of magnetic and luminescence properties of GaN nanowires. <i>Superlattices and Microstructures</i> , <b>2019</b> , 132, 106159	2.8	3
393	Mesoporous anatase based opto-chemical sensor. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 100, 236-244	4.3	6
392	Thermally Stable Polypyrrole/Hematite Composites with Tunable Dielectric and Magnetic Properties. <i>Polymer Science - Series A</i> , <b>2019</b> , 61, 112-117	1.2	1
391	Optically active phenolphthalein encapsulated gold nanodendrites for fiber optic pH sensing. <i>Applied Surface Science</i> , <b>2019</b> , 485, 323-331	6.7	5
390	Synthesis and characterization of silver nanoparticle-decorated cobalt nanocomposites (Co@AgNPs) and their density-dependent antibacterial activity. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 182135	3.3	38
389	Correlation of La-mediated structural transition and dielectric relaxation in Bi <sub>2</sub> Mg <sub>2</sub> /3Nb <sub>4</sub> /3O <sub>7</sub> pyrochlores. <i>Ceramics International</i> , <b>2019</b> , 45, 14576-14585	5.1	19
388	Optical properties and antibacterial activity of V doped ZnO used in solar cells and biomedical applications. <i>Materials Research Bulletin</i> , <b>2019</b> , 115, 121-129	5.1	18
387	Low-frequency thermally-assisted electrical resonance in V <sub>2</sub> O <sub>5</sub> /C composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 243, 19-29	3.1	2
386	A Comparative Assessment of Nanotoxicity Induced by Metal (Silver, Nickel) and Metal Oxide (Cobalt, Chromium) Nanoparticles in. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	28
385	Multifunctionality of magnetoelectrically coupled Ni/Cr co-doped BiFeO <sub>3</sub> multiferroics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 789, 400-408	5.7	9
384	Structure and Optical Properties of TiO <sub>2</sub> Thin Films Prepared by a Sol-Gel Processing. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2019</b> , 74, 635-642	1.4	1
383	Microwave assisted synthesis and antimicrobial activity of Fe <sub>3</sub> O <sub>4</sub> -doped ZrO <sub>2</sub> nanoparticles. <i>Ceramics International</i> , <b>2019</b> , 45, 10106-10113	5.1	21
382	Magneto-dielectric and ferroelectric tunability of multifunctional Ce-substituted neodymium zirconate pyrochlores. <i>Materials Letters</i> , <b>2019</b> , 243, 21-25	3.3	10
381	Realization of Magnetostructural Transition and Magnetocaloric Properties of Ni <sub>1-x</sub> Mn <sub>x</sub> Mo <sub>3</sub> Heusler Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 659-665	1.5	2
380	Optically active-thermally stable multi-dyes encapsulated mesoporous silica aerogel: A potential pH sensing nanomatrix. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 274, 183-189	5.3	10
379	Structural and magnetic properties of nano-crystalline FeCoNiN thin films. <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 392-396	4.3	1
378	Structural tuning of dielectric properties of Ce-substituted Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> . <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 397-406	4.3	12
377	Investigation of structural, electrical, electrical polarization and dielectric properties of CTAB assisted Ni <sup>2+</sup> substituted R-type nano-hexaferrites. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 770, 1112-1118	5.7	18

376	Optimization of DyFe nanostructures using E-beam lithography for magneto-optical applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 469, 196-202	2.8	2
375	Molarity dependent oscillatory structural and magnetic behavior of phase pure BiFeO <sub>3</sub> thin films: Sol-gel approach. <i>Ceramics International</i> , <b>2019</b> , 45, 5111-5123	5.1	7
374	BPB dye confined growth of surfactant-assisted mesostructured silica matrix fiber optic sensing tracers. <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 427-438	4.3	7
373	Highly stable dielectric frequency response of chemically synthesized Mn-substituted ZnFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 417-426	4.3	11
372	Anomalous dielectric behavior and correlation of barrier hopping mechanism with ferroelectricity in solvent assisted phase pure bismuth iron oxide nanoparticles. <i>Materials Research Bulletin</i> , <b>2019</b> , 119, 110543	5.1	3
371	Co-existence of magnetic and electric ferroic orders in La-substituted BiFeO <sub>3</sub> . <i>Results in Physics</i> , <b>2019</b> , 12, 1269-1275	3.7	8
370	Investigation of structural, optical and magnetic characteristics of Co <sub>3</sub> O <sub>4</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	7
369	Tailoring of optical, biological and magnetic properties of nanocrystalline Fe doped TiO <sub>2</sub> thin films. <i>Materials Research Express</i> , <b>2019</b> , 6, 1250h2	1.7	2
368	Effect of Al <sup>3+</sup> substitution on the electrical and magnetic properties of Li-base ferrites. <i>Materials Research Express</i> , <b>2019</b> , 6, 126121	1.7	1
367	Structural and magnetization crossover in electrodeposited FeAlO - effect of oxidation.. <i>RSC Advances</i> , <b>2019</b> , 9, 38183-38194	3.7	5
366	Influence of Al percentage on the magnetic, optical, and structural properties of Al-doped CoZnO thin films. <i>Journal of the Australian Ceramic Society</i> , <b>2019</b> , 55, 479-487	1.5	4
365	Role of precursor to solvent ratio in tuning the magnetization of iron oxide thin films [A sol-gel approach. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 471, 14-24	2.8	11
364	On the Operational, shelf life and degradation mechanism in polymer field effect transistors. <i>Superlattices and Microstructures</i> , <b>2019</b> , 126, 125-131	2.8	5
363	Tuning of optical and antibacterial characteristics of ZnO thin films: Role of Ce content. <i>Ceramics International</i> , <b>2019</b> , 45, 3930-3939	5.1	13
362	Ferromagnetic ordering and electromagnons in microwave synthesized BiFeO <sub>3</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 475, 60-69	2.8	10
361	Grown of highly porous ZnO-nanoparticles by pulsed laser ablation in liquid technique for sensing applications. <i>Journal of the Australian Ceramic Society</i> , <b>2019</b> , 55, 765-771	1.5	3
360	Structurally modulated dielectric relaxation in rhombohedral Cr <sub>2</sub> O <sub>3</sub> mediated by Mn addition. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3378-3385	2.1	5
359	Sm-mediated dielectric characteristics and tunable magneto-electric coefficient of 0.5Bi <sub>1-x</sub> Sm <sub>x</sub> Fe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3-0.5</sub> PbTiO <sub>3</sub> composites. <i>Ceramics International</i> , <b>2019</b> , 45, 7690-7695	5.1	13



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357	Role of co-doping on structural, optical and magnetic properties of nano-crystalline ZnO thin films. <i>Materials Research Express</i> , <b>2019</b> , 6, 036404	1.7	
356	Magnetically driven robust polarization in (1-x)BiFeO <sub>3</sub> -xPbTiO <sub>3</sub> multiferroic composites. <i>Materials Letters</i> , <b>2019</b> , 238, 10-12	3.3	5
355	Preparation and characterization of dip coated cobalt oxide thin films. <i>Materials Research Innovations</i> , <b>2019</b> , 23, 253-259	1.9	2
354	Magnetic phase transition and magneto-dielectric analysis of spinel chromites: MCr <sub>2</sub> O <sub>4</sub> (M = Fe, Co and Ni). <i>Ceramics International</i> , <b>2018</b> , 44, 10229-10235	5.1	22
353	Sol-gel based thermally stable mesoporous TiO <sub>2</sub> nanomatrix for fiber optic pH sensing. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 86, 42-50	2.3	7
352	Effect of in-situ oxidation on structure and ferromagnetic properties of Fe <sub>3</sub> Al and FeAl <sub>2</sub> O <sub>4</sub> thin films prepared by electrodeposition. <i>Ceramics International</i> , <b>2018</b> , 44, 9550-9560	5.1	12
351	Investigation of Fe doping on the magnetic and optical properties of ZnO thin films. <i>Materials Research Express</i> , <b>2018</b> , 5, 036418	1.7	6
350	Structurally tuned multifunctional characteristics of Nd-substituted lanthanum zirconates. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6950-6960	2.1	7
349	Influence of ZnO doping on structural, optical and pH-stimulus characteristics of silica-titania nanocomposite matrix. <i>Journal of Saudi Chemical Society</i> , <b>2018</b> , 22, 826-837	4.3	7
348	Crack-free high surface area silica-titania nanocomposite coating as opto-chemical sensor device. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 270, 153-161	3.9	12
347	Probe of ZrTiO thin films with TiO-ZrO binary oxides deposited by dip coating technique. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 183, 357-366	6.7	14
346	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> , <b>2018</b> , 276, 267-277	3.9	19
345	Tailoring of optical band gap and electrical conductivity in a-axis oriented Ni doped Chromium Oxide thin films. <i>Ceramics International</i> , <b>2018</b> , 44, 11187-11195	5.1	9
344	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. <i>Materials Research Express</i> , <b>2018</b> , 5, 035058	1.7	3
343	A comparative study of graphene growth by APCVD, LPCVD and PECVD. <i>Materials Research Express</i> , <b>2018</b> , 5, 035606	1.7	8
342	Investigation of physical properties of SnS:Fe diluted magnetic semiconductor nanoparticles for spintronic applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 460, 111-119	2.8	7
341	STRUCTURAL, SURFACE MORPHOLOGICAL AND MAGNETIC STUDIES OF Zn <sub>1-x</sub> Fe <sub>x</sub> S (x=0.000.10) DILUTED MAGNETIC SEMICONDUCTORS GROWN BY CO-PRECIPIATION METHOD. <i>Surface Review and Letters</i> , <b>2018</b> , 25, 1850044	1.1	

340	Acetylene black coated V2O5 nanocomposite with stable cyclability for lithium-ion batteries cathode. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 518-523	5.7	9
339	An efficient Sm and Ge co-doped ceria nanocomposite electrolyte for low temperature solid oxide fuel cells. <i>Ceramics International</i> , <b>2018</b> , 44, 170-174	5.1	20
338	Effect of Ni-Mn ratio on structural, martensitic and magnetic properties of Ni-Mn-Co-Ti ferromagnetic shape memory alloys. <i>Materials Research Express</i> , <b>2018</b> , 5, 086102	1.7	3
337	Synthesis of bone implant substitutes using organic additive based zirconia nanoparticles and their biodegradation study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2018</b> , 88, 48-57	4.1	9
336	Biological and optical properties of sol-gel derived ZnO using different percentages of silver contents. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 383-390	6	9
335	Oscillatory Giant Magnetoresistance of Electrodeposited Fe/Cu/Ni Multilayered Structures Effect of Non-Magnetic and Magnetic Layer Thicknesses. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-10	2	
334	Photocatalytic, antibacterial, optical and magnetic properties of Fe-doped ZnO nano-particles prepared by sol-gel. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 88, 109-119	4.3	46
333	Honey mediated microwave assisted sol-gel synthesis of stabilized zirconia nanofibers. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 87, 554-567	2.3	9
332	Preparation and characterization of doubly substituted microwave absorbing material by sol-gel technique for super high frequency applications. <i>Progress in Natural Science: Materials International</i> , <b>2018</b> , 28, 478-482	3.6	7
331	Tunable structural and electrical impedance properties of ordered and disordered iron oxide phases for capacitive applications. <i>Ceramics International</i> , <b>2018</b> , 44, 16352-16364	5.1	14
330	Room temperature stabilized TiO2 doped ZrO2 thin films for teeth coatings A sol-gel approach. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 767, 1238-1252	5.7	14
329	Synthesis of NiO nanoparticles by sol-gel technique. <i>Materials Science-Poland</i> , <b>2018</b> , 36, 547-552	0.6	16
328	Thermal tuning of electrical and dielectric characteristics of Mn-doped Zn <sub>0.95</sub> Fe <sub>0.05</sub> O dilute magnetic semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 3943-3951	2.1	7
327	Synthesis of optically active bromophenol blue encapsulated mesoporous silica/titania nanomatrix: structural and sensing characteristics. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 85, 231-242	2.3	11
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324	Analysis of Electric Transport Mechanism of Barium Titanate by Impedance Spectroscopy. <i>Key Engineering Materials</i> , <b>2018</b> , 778, 206-211	0.4	1
323	Electronic and Structural Properties of Phase-Pure Magnetite Thin Films: Effect of Preferred Orientation. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 6613-6624	1.9	9

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321	Optical CO <sub>2</sub> Gas Sensing Based on TiO <sub>2</sub> Thin Films of Diverse Thickness Decorated with Silver Nanoparticles. <i>Advances in Materials Science and Engineering</i> , <b>2018</b> , 2018, 1-12	1.5	10
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297	Effects of Zr substitution on structural, morphological, and magnetic properties of bismuth iron oxide phases. <i>Chinese Physics B</i> , <b>2017</b> , 26, 087502	1.2	
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132	Effect of Radiation on ZnTe/ Si Junction Using I <sub>V</sub> and C <sub>V</sub> Measurements. <i>Materials Today: Proceedings, 2015, 2, 5343-5347</i>	1.4	
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