Mohammad E Ghazi

List of Publications by Citations

51 papers	540 citations	14 h-index	22 g-index
53 ext. papers	648 ext. citations	2.4 avg, IF	4.27 L-index

#	Paper	IF	Citations
51	Tunable magnetic and magnetocaloric properties of La0.6Sr0.4MnO3 nanoparticles. *Journal of Applied Physics*, **2013**, 114, 223907	2.5	53
50	DFT Study of Mechanical Properties and Stability of Cubic Methylammonium Lead Halide Perovskites (CH3NH3PbX3, X = I, Br, Cl). *Journal of Physical Chemistry C*, **2017**, 121, 27059-27070	3.8	50
49	Critical fluctuations and quenched disordered two-dimensional charge stripes in La(5/3)Sr(1/3)NiO4. *Physical Review Letters*, **2000**, 84, 3911-4	7.4	46
48	Influence of Sm-doping on the structural, magnetic, and electrical properties of La0.8Sm Sr0.2MnO3 (0 . *Journal of Alloys and Compounds*, **2013**, 579, 406-414	5.7	42
47	Structural and optical properties of silicon nanowires synthesized by Ag-assisted chemical etching. *Materials Science in Semiconductor Processing*, **2015**, 40, 556-563	4.3	39
46	Studying temperature effects on electronic and optical properties of cubic CH3NH3SnI3 perovskite. *Journal of Computational Electronics*, **2020**, 19, 70-79	1.8	33
45	Influence of grain size on the electrical properties of the double-layered LaSr2Mn2O7 manganite. *Journal of Physics and Chemistry of Solids*, **2012**, 73, 744-750	3.9	33
44	Structural and magnetic characterization of La0.8Sr0.2MnO3 nanoparticles prepared via a facile microwave-assisted method. *Journal of Solid State Chemistry*, **2014**, 215, 1-7	3.3	31
43	Effect of Annealing Temperature on Structural, Optical, and Electrical Properties of Sol–Gel Spin-Coating-Derived Cu2ZnSnS4 Thin Films. *Journal of Electronic Materials*, **2018**, 47, 1080-1090	1.9	17
42	An Investigation on Magnetic Interacting La0.6Sr0.4MnO3 Nanoparticles. *Advanced Materials Research*, **2013**, 829, 712-716	0.5	15
41	Incommensurate charge stripe ordering in La2−xSrxNiO4 for x=(0.33,0.30,0.275). *Physical Review B*, **2004**, 70,	3.3	15
40	Efficiency enhancement of perovskite solar cells using structural and morphological improvement of CH3NH3PbI3 absorber layers. *Materials Research Express*, **2018**, 5, 016412	1.7	14
39	Studying Mn- and Ni-doped ZnO Thin Films Synthesized by the Sol–Gel Method. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 101-108	1.5	14
38	Effects of pH and sintering temperature on the synthesis and electrical properties of the bilayered LaSr2Mn2O7 manganite prepared by the sol–gel process. *Journal of Materials Science*, **2012**, 47, 5815-5822	4.3	14
37	Effects of silver and gold catalytic activities on the structural and optical properties of silicon nanowires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 75, 136-143	3	12
36	Interfacial defect passivation in CH3NH3PbI3 perovskite solar cells using modifying of hole transport layer. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 6936-6946	2.1	9
35	DFT study of electronic structure and optical properties of layered two-dimensional CH3NH3PbX3 (X=Cl, Br, I). *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2019**, 41, 2734-2745	1.6	8

34	DC magnetization studies of nano- and micro-particles of bilayered manganite LaSr2Mn2O7. *Journal of Alloys and Compounds*, **2014**, 586, 261-266	5.7	8
33	Low-Temperature Electrical Resistivity of Bilayered LaSr(_{2})Mn(_{2})O(_{7 }) Manganite. *Journal of Low Temperature Physics*, **2016**, 183, 359-370	1.3	7
32	DFT study of electronic and optical properties of CH3NH3SnI3 perovskite. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2020**, 1-13	1.6	6
31	Preparation and characterization of CuInS2 absorber layers by sol-gel method for solar cell applications. *European Physical Journal Plus*, **2016**, 131, 1	3.1	6
30	Fabrication of CuInS2/CNTs absorber layers by sol□gel method. *Materials Science in Semiconductor Processing*, **2015**, 38, 149-156	4.3	5
29	Size Dependence of Electrical Properties of La 0 . 8 Sr 0 . 2 MnO 3 Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, **2016**, 29, 2969-2977	1.5	5
28	Effect of silver, gold, and platinum substrates on structural and optical properties of tilted nanocolumnar SnS films. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 2030-2039	2.1	5
27	Structural, optical, dielectric and magnetic properties of Ce-doped strontium hexaferrite synthesized by a hydrothermal process. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 17374-17381	2.1	4
26	Charge stripe glasses in La2-xSrxNiO4 for 0.20 European Physical Journal B, **2005**, 46, 27-32	1.2	4
25	A study of Ca-doped hexaferrite Sr1□CaxFe12O19 (x = 0.0, 0.05, 0.1, 0.15, and 0.2) synthesized by sol-gel combustion method. *Physica Scripta*, **2020**, 95, 095807	2.6	4
24	Investigation of effect of Ni□Mg co-substitution on structural, optical, and magnetic properties of BiFeO3 nanoparticles grown by a sol□gel method. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 10619-10629	2.1	3
23	Investigation of the annealing temperature effect on structural, morphology, dielectric and magnetic properties of BiFeO3 nanoparticles. *Physica C: Superconductivity and Its Applications*, **2018** , 549, 73-76	1.3	3
22	Studying physical properties of CuInS2 absorber layers grown by spin coating method on different kinds of substrates. *Materials Research Express*, **2018**, 5, 036408	1.7	3
21	Anomalous Magnetic Properties of the Bilayered LaSr2Mn2□Co z O7 (z=0□.15) Manganite. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 3151-3157	1.5	3
20	Structural and Magnetic Characterization of the Electrodeposited Cu1□Co x Thin Films. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2737-2741	1.5	3
19	X-RAY SCATTERING STUDIES OF CHARGE STRIPES IN La2-xSrxNiO4 (x=0.20-0.33). *International Journal of Modern Physics B*, **2002**, 16, 1633-1640	1.1	3
18	Realizing ferromagnetic insulators in electron doped double perovskites Sr2-xAxMnVO6; A□=□Sn, Bi. *Journal of Magnetism and Magnetic Materials*, **2021**, 519, 167492	2.8	3
17	Investigation of structural, magnetic, and dielectric properties of Bi1□Ca x Fe1□Ni y O3 multi-ferroic prepared via a facile microwave-assisted method. *Materials Research Express*, **2017**, 4, 106110	1.7	2

16	Improving the efficiency of perovskite solar cells using modification of CH3NH3PbI3 active layer: the effect of methylammonium iodide loading time. *Optical and Quantum Electronics*, **2020**, 52, 1	2.4	2
15	Density functional study of structural, electronic and magnetic properties of new half-metallic ferromagnetic double perovskite SrMnVO. *Journal of Physics Condensed Matter*, **2019**, 31, 475501	1.8	2
14	The Effect of d-orbital Electrons of Transition Metals on the Electronic and Magnetic Properties of GaN:TM (TM: Cr, Mn, Fe, Co). *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2719-2722	1.5	2
13	Study of Alkali (Na,K)-Doped Cu2ZnSnS4 Thin Films Prepared by Sol□el Method. *Semiconductors*, **2021**, 55, 179-193	0.7	2
12	Photoresponsivity enhancement of SnS porous film. *Surfaces and Interfaces*, **2020**, 21, 100790	4.1	1
11	Studying Structural and Optical Properties of TiO2□SnO2 Core□Shell Synthesized by Sol□el Route. *Crystal Research and Technology*, **2020**, 55, 1900145	1.3	1
10	A Study of Structural and Physical Properties of Heavily Co-doped LaSr2Mn2O7 Bi-layered Manganite. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 2771-2777	1.5	1
9	Study of the phase transition and charge ordering in single-crystalline Nd1/2Sr1/2MnO3 using x-ray scattering. *Journal of Applied Physics*, **2008**, 104, 023517	2.5	1
8	Jahn-Teller distortion ordering in single-crystal Nd1/2Sr1/2MnO3. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 1641-1644		1
7	CRITICAL FLUCTUATIONS AND QUENCHED DISORDERED TWO-DIMENSIONAL CHARGE STRIPES IN LA5/3SR1/3NIO4. *International Journal of Modern Physics B*, **2000**, 14, 3488-3493	1.1	1
6	Designing new ferromagnetic double perovskites: the coexistence of polar distortion and half-metallicity. *Physical Chemistry Chemical Physics*, **2021**, 23, 19571-19578	3.6	1
5	A study of single-/multi-layer structures of CH3NH3SnI3 by density functional theory. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	1
4	Effects of Zn substitution on electronic and magnetic properties of GaFeO3 multiferroic using density functional theory. *Computational Condensed Matter*, **2021**, 28, e00567	1.7	1
3	Dual Ca□Zn substituted strontium hexaferrite; investigation of structural, magnetic and optical properties. *Physica B: Condensed Matter*, **2021**, 605, 412670	2.8	0
2	Observations of magnetic domain structures and phase segregation in single-crystal Nd1/2Sr1/2MnO3 using X-ray scattering. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 1637-1640		
1	An ab initio DFT study of the optical and magnetic properties of Mn doped GaFeO3 **2022**, 207194		