Mohammad E Ghazi

List of Publications by Year
in descending order

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53	745	567281 15	552781 26
papers	citations	h-index	g-index

54	54	54	870
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	3.1	73
2	Tunable magnetic and magnetocaloric properties of La0.6Sr0.4MnO3 nanoparticles. Journal of Applied Physics, 2013, 114, .	2.5	67
3	Influence of Sm-doping on the structural, magnetic, and electrical properties of La0.8â^'Sm Sr0.2MnO3 (0 <x< 0.45) manganites. Journal of Alloys and Compounds, 2013, 579, 406-414.	5.5	61
4	Studying temperature effects on electronic and optical properties of cubic CH3NH3SnI3 perovskite. Journal of Computational Electronics, 2020, 19, 70-79.	2.5	51
5	Critical Fluctuations and Quenched Disordered Two-Dimensional Charge Stripes inLa5/3Sr1/3NiO4. Physical Review Letters, 2000, 84, 3911-3914.	7.8	47
6	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.	4.0	44
7	Structural and optical properties of silicon nanowires synthesized by Ag-assisted chemical etching. Materials Science in Semiconductor Processing, 2015, 40, 556-563.	4.0	44
8	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.	2.9	41
9	Effect of Annealing Temperature on Structural, Optical, and Electrical Properties of Solâ€“Gel Spin-Coating-Derived Cu2ZnSnS4 Thin Films. Journal of Electronic Materials, 2018, 47, 1080-1090.	2.2	23
10	Studying Mn- and Ni-doped ZnO Thin Films Synthesized by the Solâ€“Gel Method. Journal of Superconductivity and Novel Magnetism, 2012, 25, 101-108.	1.8	20
11	Efficiency enhancement of perovskite solar cells using structural and morphological improvement of CH₃NH₃PbI₃ absorber layers. Materials Research Express, 2018, 5, 016412.	1.6	20
12	Effects of pH and sintering temperature on the synthesis and electrical properties of the bilayered LaSr2Mn2O7 manganite prepared by the solâ€“gel process. Journal of Materials Science, 2012, 47, 5815-5822.	3.7	18
13	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.	2.7	18
14	Incommensurate charge stripe ordering inLa2â^'xSrxNiO4forx=(0.33,0.30,0.275). Physical Review B, 2004, 70, .	3.2	17
15	An Investigation on Magnetic Interacting La_{0.6}Sr_{0.4}MnO₃ Nanoparticles. Advanced Materials Research, 2013, 829, 712-716.	0.3	15
16	Low-Temperature Electrical Resistivity of Bilayered LaSr $$_{2}$$ 2 Mn $$_{2}$$ 2 O $$_{7 }$$ 7 Manganite. Journal of Low Temperature Physics, 2016, 183, 359-370.	1.4	12
17	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.	2.2	12
18	DFT study of electronic and optical properties of CH3NH3SnI3 perovskite. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	2.3	12

#	Article	IF	Citations
19	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.	2.2	11
20	DC magnetization studies of nano- and micro-particles of bilayered manganite LaSr2Mn2O7. Journal of Alloys and Compounds, 2014, 586, 261-266.	5.5	10
21	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.	2.3	10
22	A study of Ca-doped hexaferrite Sr_{1â^'x}Ca_xFe₁₂O₁₉ (x =) Tj ETQq0 0 0 rgBT /Overlo	2.5	10
23	Preparation and characterization of CuInS2 absorber layers by sol-gel method for solar cell applications. European Physical Journal Plus, 2016, 131, 1.	2.6	8
24	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.	1.8	8
25	Fabrication of CuInS2/CNTs absorber layers by solâ€“gel method. Materials Science in Semiconductor Processing, 2015, 38, 149-156.	4.0	7
26	Investigation of effect of Niâ€“Mg co-substitution on structural, optical, and magnetic properties of BiFeO3 nanoparticles grown by a solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2019, 30, 10619-10629.	2.2	7
27	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.	3.3	7
28	Dual Caâ€“Zn substituted strontium hexaferrite; investigation of structural, magnetic and optical properties. Physica B: Condensed Matter, 2021, 605, 412670.	2.7	7
29	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.	2.2	6
30	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.	1.2	5
31	Realizing ferromagnetic insulators in electron doped double perovskites Sr2-xAxMnVO6; AÂ=ÂSn, Bi. Journal of Magnetism and Magnetic Materials, 2021, 519, 167492.	2.3	5
32	Charge stripe glasses in La2-xSrxNiO4 for 0.20 < x < 0.25. European Physical Journal B, 2005, 46, 27-32.	1.5	4
33	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.	1.8	4
34	Density functional study of structural, electronic and magnetic properties of new half-metallic ferromagnetic double perovskite Sr2MnVO6. Journal of Physics Condensed Matter, 2019, 31, 475501.	1.8	4
35	Study of Alkali (Na,K)-Doped Cu2ZnSnS4 Thin Films Prepared by Solâ€“Gel Method. Semiconductors, 2021, 55, 179-193.	0.5	4
36	A study of single-/multi-layer structures of CH3NH3SnI3 by density functional theory. Optical and Quantum Electronics, 2021, 53, 1.	3.3	4

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37	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.	2.0	3
38	Structural and Magnetic Characterization of the Electrodeposited Cu1â^'x Co x Thin Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2737-2741.	1.8	3
39	Anomalous Magnetic Properties of the Bilayered LaSr2Mn2â^'z Co z O7 (z=0â€“0.15) Manganite. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3151-3157.	1.8	3
40	Studying physical properties of CuInS₂ absorber layers grown by spin coating method on different kinds of substrates. Materials Research Express, 2018, 5, 036408.	1.6	3
41	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.	1.8	2
42	Investigation of structural, magnetic, and dielectric properties of Bi_{1â^'x} Ca_xFe_{1â^'y}Ni_yO₃ multi-ferroic prepared via a facile microwave-assisted method. Materials Research Express, 2017, 4, 106110.	1.6	2
43	Studying Structural and Optical Properties of TiO₂â€“SnO₂ Coreâ€“Shell Synthesized by Solâ€“Gel Route. Crystal Research and Technology, 2020, 55, 1900145.	1.3	2
44	Designing new ferromagnetic double perovskites: the coexistence of polar distortion and half-metallicity. Physical Chemistry Chemical Physics, 2021, 23, 19571-19578.	2.8	2
45	Effects of Zn substitution on electronic and magnetic properties of GaFeO3 multiferroic using density functional theory. Computational Condensed Matter, 2021, 28, e00567.	2.1	2
46	CRITICAL FLUCTUATIONS AND QUENCHED DISORDERED TWO-DIMENSIONAL CHARGE STRIPES IN LA5/3SR1/3NIO4. International Journal of Modern Physics B, 2000, 14, 3488-3493.	2.0	1
47	Jahn-Teller distortion ordering in single-crystal Nd1/2Sr1/2MnO3. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1641-1644.	0.8	1
48	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
49	Photoresponsivity enhancement of SnS porous film. Surfaces and Interfaces, 2020, 21, 100790.	3.0	1
50	SYNCHROTRON X-RAY SCATTERING STUDIES OF CHARGE AND SPIN STRIPES IN MANGANITES. , 2000, , .		1
51	DYNAMICAL AND QUENCHED DISORDER OF 2-DIMENSIONAL CHARGE STRIPES IN LA_{5/3}SR_{1/3}NIO₄. , 2000, , .		0
52	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.	0.8	0
53	An ab initio DFT study of the optical and magnetic properties of Mn doped GaFeO3. , 2022, , 207194.		0