

Mohammad E Ghazi

List of Publications by Year in descending order

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745
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567281

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all docs

54
docs citations

54
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	An ab initio DFT study of the optical and magnetic properties of Mn doped GaFeO ₃ . , 2022, , 207194.		0
2	Realizing ferromagnetic insulators in electron doped double perovskites Sr _{2-x} A _x MnVO ₆ ; A=Sn, Bi. Journal of Magnetism and Magnetic Materials, 2021, 519, 167492.	2.3	5
3	Designing new ferromagnetic double perovskites: the coexistence of polar distortion and half-metallicity. Physical Chemistry Chemical Physics, 2021, 23, 19571-19578.	2.8	2
4	Study of Alkali (Na,K)-Doped Cu ₂ ZnSnS ₄ Thin Films Prepared by Sol-Gel Method. Semiconductors, 2021, 55, 179-193.	0.5	4
5	Dual Ca-Zn substituted strontium hexaferrite; investigation of structural, magnetic and optical properties. Physica B: Condensed Matter, 2021, 605, 412670.	2.7	7
6	A study of single-/multi-layer structures of CH ₃ NH ₃ SnI ₃ by density functional theory. Optical and Quantum Electronics, 2021, 53, 1.	3.3	4
7	Effects of Zn substitution on electronic and magnetic properties of GaFeO ₃ multiferroic using density functional theory. Computational Condensed Matter, 2021, 28, e00567.	2.1	2
8	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
9	Photoresponsivity enhancement of SnS porous film. Surfaces and Interfaces, 2020, 21, 100790.	3.0	1
10	Studying Structural and Optical Properties of TiO ₂ -SnO ₂ Core-Shell Synthesized by Sol-Gel Route. Crystal Research and Technology, 2020, 55, 1900145.	1.3	2
11	Studying temperature effects on electronic and optical properties of cubic CH ₃ NH ₃ SnI ₃ perovskite. Journal of Computational Electronics, 2020, 19, 70-79.	2.5	51
12	Improving the efficiency of perovskite solar cells using modification of CH ₃ NH ₃ PbI ₃ active layer: the effect of methylammonium iodide loading time. Optical and Quantum Electronics, 2020, 52, 1.	3.3	7
13	A study of Ca-doped hexaferrite Sr _{1-x} Ca _x Fe ₁₂ O ₁₉ (x =) Tj ETQq1 1 0.784314 r	2.5	10
14	Density functional study of structural, electronic and magnetic properties of new half-metallic ferromagnetic double perovskite Sr ₂ MnVO ₆ . Journal of Physics Condensed Matter, 2019, 31, 475501.	1.8	4
15	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
16	DFT study of electronic structure and optical properties of layered two-dimensional CH ₃ NH ₃ PbX ₃ (X=Cl, Br, I). Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2734-2745.	2.3	10
17	Investigation of effect of Ni-Mg co-substitution on structural, optical, and magnetic properties of BiFeO ₃ nanoparticles grown by a sol-gel method. Journal of Materials Science: Materials in Electronics, 2019, 30, 10619-10629.	2.2	7
18	Interfacial defect passivation in CH ₃ NH ₃ PbI ₃ perovskite solar cells using modifying of hole transport layer. Journal of Materials Science: Materials in Electronics, 2019, 30, 6936-6946.	2.2	12

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19	Investigation of the annealing temperature effect on structural, morphology, dielectric and magnetic properties of BiFeO ₃ nanoparticles. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 549, 73-76.	1.2	5
20	Studying physical properties of CuInS ₂ absorber layers grown by spin coating method on different kinds of substrates. <i>Materials Research Express</i> , 2018, 5, 036408.	1.6	3
21	Efficiency enhancement of perovskite solar cells using structural and morphological improvement of CH ₃ NH ₃ PbI ₃ absorber layers. <i>Materials Research Express</i> , 2018, 5, 016412.	1.6	20
22	Effect of Annealing Temperature on Structural, Optical, and Electrical Properties of Sol-Gel Spin-Coating-Derived Cu ₂ ZnSnS ₄ Thin Films. <i>Journal of Electronic Materials</i> , 2018, 47, 1080-1090.	2.2	23
23	Investigation of structural, magnetic, and dielectric properties of Bi _{1-x} Ca _x Fe _{1-y} Ni _y O ₃ multi-ferroic prepared via a facile microwave-assisted method. <i>Materials Research Express</i> , 2017, 4, 106110.	1.6	2
24	DFT Study of Mechanical Properties and Stability of Cubic Methylammonium Lead Halide Perovskites (CH ₃ NH ₃ PbX ₃ , X = I, Br, Cl). <i>Journal of Physical Chemistry C</i> , 2017, 121, 27059-27070.	3.1	73
25	Preparation and characterization of CuInS ₂ absorber layers by sol-gel method for solar cell applications. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	8
26	Size Dependence of Electrical Properties of La _{0.8} Sr _{0.2} MnO ₃ Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2969-2977.	1.8	8
27	Low-Temperature Electrical Resistivity of Bilayered LaSr ₂ Mn ₂ O ₇ Manganite. <i>Journal of Low Temperature Physics</i> , 2016, 183, 359-370.	1.4	12
28	Effects of silver and gold catalytic activities on the structural and optical properties of silicon nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 75, 136-143.	2.7	18
29	Fabrication of CuInS ₂ /CNTs absorber layers by sol-gel method. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 149-156.	4.0	7
30	Structural and optical properties of silicon nanowires synthesized by Ag-assisted chemical etching. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 556-563.	4.0	44
31	DC magnetization studies of nano- and micro-particles of bilayered manganite LaSr ₂ Mn ₂ O ₇ . <i>Journal of Alloys and Compounds</i> , 2014, 586, 261-266.	5.5	10
32	Structural and magnetic characterization of La _{0.8} Sr _{0.2} MnO ₃ nanoparticles prepared via a facile microwave-assisted method. <i>Journal of Solid State Chemistry</i> , 2014, 215, 1-7.	2.9	41
33	Anomalous Magnetic Properties of the Bilayered LaSr ₂ Mn ₂ O _{7-z} Co _z O ₇ (z=0-0.15) Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 3151-3157.	1.8	3
34	A Study of Structural and Physical Properties of Heavily Co-doped LaSr ₂ Mn ₂ O ₇ Bi-layered Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 2771-2777.	1.8	2
35	Influence of Sm-doping on the structural, magnetic, and electrical properties of La _{0.8} Sm _{0.2} MnO ₃ (0 $\leq x \leq 0.45$) manganites. <i>Journal of Alloys and Compounds</i> , 2013, 579, 406-414.	5.5	61
36	Tunable magnetic and magnetocaloric properties of La _{0.6} Sr _{0.4} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	67

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37	An Investigation on Magnetic Interacting $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Nanoparticles. <i>Advanced Materials Research</i> , 2013, 829, 712-716.	0.3	15
38	The Effect of d-orbital Electrons of Transition Metals on the Electronic and Magnetic Properties of GaN:TM (TM: Cr, Mn, Fe, Co). <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 2719-2722.	1.8	4
39	Structural and Magnetic Characterization of the Electrodeposited $\text{Cu}_{1-x}\text{Co}_x$ Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 2737-2741.	1.8	3
40	Effects of pH and sintering temperature on the synthesis and electrical properties of the bilayered $\text{LaSr}_2\text{Mn}_2\text{O}_7$ manganite prepared by the sol-gel process. <i>Journal of Materials Science</i> , 2012, 47, 5815-5822.	3.7	18
41	Influence of grain size on the electrical properties of the double-layered $\text{LaSr}_2\text{Mn}_2\text{O}_7$ manganite. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 744-750.	4.0	44
42	Studying Mn- and Ni-doped ZnO Thin Films Synthesized by the Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 101-108.	1.8	20
43	Study of the phase transition and charge ordering in single-crystalline $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$ using x-ray scattering. <i>Journal of Applied Physics</i> , 2008, 104, 023517.	2.5	1
44	Charge stripe glasses in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ for $0.20 < x < 0.25$. <i>European Physical Journal B</i> , 2005, 46, 27-32.	1.5	4
45	Incommensurate charge stripe ordering in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ for $x=(0.33,0.30,0.275)$. <i>Physical Review B</i> , 2004, 70, .	3.2	17
46	Observations of magnetic domain structures and phase segregation in single-crystal $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$ using X-ray scattering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1637-1640.	0.8	0
47	Jahn-Teller distortion ordering in single-crystal $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1641-1644.	0.8	1
48	X-RAY SCATTERING STUDIES OF CHARGE STRIPES IN $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($x=0.20-0.33$). <i>International Journal of Modern Physics B</i> , 2002, 16, 1633-1640.	2.0	3
49	DYNAMICAL AND QUENCHED DISORDER OF 2-DIMENSIONAL CHARGE STRIPES IN $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$. , 2000, , .		0
50	CRITICAL FLUCTUATIONS AND QUENCHED DISORDERED TWO-DIMENSIONAL CHARGE STRIPES IN $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$. <i>International Journal of Modern Physics B</i> , 2000, 14, 3488-3493.	2.0	1
51	Critical Fluctuations and Quenched Disordered Two-Dimensional Charge Stripes in $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$. <i>Physical Review Letters</i> , 2000, 84, 3911-3914.	7.8	47
52	SYNCHROTRON X-RAY SCATTERING STUDIES OF CHARGE AND SPIN STRIPES IN MANGANITES. , 2000, , .		1
53	DFT study of electronic and optical properties of $\text{CH}_3\text{NH}_3\text{SnI}_3$ perovskite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-13.	2.3	12