

# Mohammad E Ghazi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4548165/mohammad-e-ghazi-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	An ab initio DFT study of the optical and magnetic properties of Mn doped GaFeO <sub>3</sub> <b>2022</b> , 207194		
50	Dual Ca <sup>2+</sup> /Sn substituted strontium hexaferrite; investigation of structural, magnetic and optical properties. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 605, 412670	2.8	0
49	Realizing ferromagnetic insulators in electron doped double perovskites Sr <sub>2-x</sub> A <sub>x</sub> MnVO <sub>6</sub> ; A <sup>2+</sup> =Sn, Bi. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 519, 167492	2.8	3
48	Designing new ferromagnetic double perovskites: the coexistence of polar distortion and half-metallicity. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 19571-19578	3.6	1
47	Study of Alkali (Na,K)-Doped Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films Prepared by Sol-Gel Method. <i>Semiconductors</i> , <b>2021</b> , 55, 179-193	0.7	2
46	A study of single-/multi-layer structures of CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> by density functional theory. <i>Optical and Quantum Electronics</i> , <b>2021</b> , 53, 1	2.4	1
45	Effects of Zn substitution on electronic and magnetic properties of GaFeO <sub>3</sub> multiferroic using density functional theory. <i>Computational Condensed Matter</i> , <b>2021</b> , 28, e00567	1.7	1
44	Photoresponsivity enhancement of SnS porous film. <i>Surfaces and Interfaces</i> , <b>2020</b> , 21, 100790	4.1	1
43	Studying Structural and Optical Properties of TiO <sub>2</sub> /SnO <sub>2</sub> Core/Shell Synthesized by Sol-Gel Route. <i>Crystal Research and Technology</i> , <b>2020</b> , 55, 1900145	1.3	1
42	Studying temperature effects on electronic and optical properties of cubic CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> perovskite. <i>Journal of Computational Electronics</i> , <b>2020</b> , 19, 70-79	1.8	33
41	Improving the efficiency of perovskite solar cells using modification of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> active layer: the effect of methylammonium iodide loading time. <i>Optical and Quantum Electronics</i> , <b>2020</b> , 52, 1	2.4	2
40	A study of Ca-doped hexaferrite Sr <sub>1-x</sub> Ca <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> (x = 0.0, 0.05, 0.1, 0.15, and 0.2) synthesized by sol-gel combustion method. <i>Physica Scripta</i> , <b>2020</b> , 95, 095807	2.6	4
39	Effect of silver, gold, and platinum substrates on structural and optical properties of tilted nanocolumnar SnS films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 2030-2039	2.1	5
38	DFT study of electronic and optical properties of CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> perovskite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-13	1.6	6
37	Structural, optical, dielectric and magnetic properties of Ce-doped strontium hexaferrite synthesized by a hydrothermal process. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 17374-17381	2.1	4
36	DFT study of electronic structure and optical properties of layered two-dimensional CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> (X=Cl, Br, I). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 41, 2734-2745	1.6	8
35	Investigation of effect of Ni/Mg co-substitution on structural, optical, and magnetic properties of BiFeO <sub>3</sub> nanoparticles grown by a sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10619-10629	2.1	3

34	Interfacial defect passivation in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells using modifying of hole transport layer. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6936-6946	2.1	9
33	Density functional study of structural, electronic and magnetic properties of new half-metallic ferromagnetic double perovskite SrMnVO. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 475501	1.8	2
32	Investigation of the annealing temperature effect on structural, morphology, dielectric and magnetic properties of BiFeO <sub>3</sub> nanoparticles. <i>Physica C: Superconductivity and Its Applications</i> , <b>2018</b> , 549, 73-76	1.3	3
31	Studying physical properties of CuInS <sub>2</sub> absorber layers grown by spin coating method on different kinds of substrates. <i>Materials Research Express</i> , <b>2018</b> , 5, 036408	1.7	3
30	Efficiency enhancement of perovskite solar cells using structural and morphological improvement of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> absorber layers. <i>Materials Research Express</i> , <b>2018</b> , 5, 016412	1.7	14
29	Effect of Annealing Temperature on Structural, Optical, and Electrical Properties of Sol-Gel Spin-Coating-Derived Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 1080-1090	1.9	17
28	Investigation of structural, magnetic, and dielectric properties of Bi <sub>1-x</sub> Ca <sub>x</sub> Fe <sub>1-y</sub> Ni <sub>y</sub> O <sub>3</sub> multi-ferroic prepared via a facile microwave-assisted method. <i>Materials Research Express</i> , <b>2017</b> , 4, 106110	1.7	2
27	DFT Study of Mechanical Properties and Stability of Cubic Methylammonium Lead Halide Perovskites (CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> , X = I, Br, Cl). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27059-27070	3.8	50
26	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> , <b>2016</b> , 75, 136-143	3	12
25	Size Dependence of Electrical Properties of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 2969-2977	1.5	5
24	Low-Temperature Electrical Resistivity of Bilayered LaSr <sub>2</sub> MnO <sub>7</sub> Manganite. <i>Journal of Low Temperature Physics</i> , <b>2016</b> , 183, 359-370	1.3	7
23	Preparation and characterization of CuInS <sub>2</sub> absorber layers by sol-gel method for solar cell applications. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	6
22	Fabrication of CuInS <sub>2</sub> /CNTs absorber layers by sol-gel method. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 38, 149-156	4.3	5
21	Structural and optical properties of silicon nanowires synthesized by Ag-assisted chemical etching. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 40, 556-563	4.3	39
20	Structural and magnetic characterization of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> nanoparticles prepared via a facile microwave-assisted method. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 215, 1-7	3.3	31
19	DC magnetization studies of nano- and micro-particles of bilayered manganite LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 586, 261-266	5.7	8
18	Anomalous Magnetic Properties of the Bilayered LaSr <sub>2</sub> Mn <sub>2-z</sub> Co <sub>z</sub> O <sub>7</sub> (z=0-1.5) Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 3151-3157	1.5	3
17	A Study of Structural and Physical Properties of Heavily Co-doped LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> Bi-layered Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 2771-2777	1.5	1

16	Influence of Sm-doping on the structural, magnetic, and electrical properties of La <sub>0.8</sub> Sm <sub>0.2</sub> MnO <sub>3</sub> (0 . <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 579, 406-414	5.7	42
15	Tunable magnetic and magnetocaloric properties of La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 223907	2.5	53
14	An Investigation on Magnetic Interacting La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Nanoparticles. <i>Advanced Materials Research</i> , <b>2013</b> , 829, 712-716	0.5	15
13	Influence of grain size on the electrical properties of the double-layered LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> manganite. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 744-750	3.9	33
12	Studying Mn- and Ni-doped ZnO Thin Films Synthesized by the Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 101-108	1.5	14
11	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> , <b>2012</b> , 25, 2719-2722	1.5	2
10	Structural and Magnetic Characterization of the Electrodeposited Cu <sub>1-x</sub> Co <sub>x</sub> Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 2737-2741	1.5	3
9	Effects of pH and sintering temperature on the synthesis and electrical properties of the bilayered LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> manganite prepared by the sol-gel process. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 5815-5822	4.3	14
8	Study of the phase transition and charge ordering in single-crystalline Nd <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> using x-ray scattering. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 023517	2.5	1
7	Charge stripe glasses in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> for 0.20 European Physical Journal B, <b>2005</b> , 46, 27-32	1.2	4
6	Incommensurate charge stripe ordering in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> for x=(0.33,0.30,0.275). <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	15
5	Observations of magnetic domain structures and phase segregation in single-crystal Nd <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> using X-ray scattering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 1637-1640		
4	Jahn-Teller distortion ordering in single-crystal Nd <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 1641-1644		1
3	X-RAY SCATTERING STUDIES OF CHARGE STRIPES IN La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> (x=0.20-0.33). <i>International Journal of Modern Physics B</i> , <b>2002</b> , 16, 1633-1640	1.1	3
2	CRITICAL FLUCTUATIONS AND QUENCHED DISORDERED TWO-DIMENSIONAL CHARGE STRIPES IN LA <sub>5/3</sub> SR <sub>1/3</sub> NIO <sub>4</sub> . <i>International Journal of Modern Physics B</i> , <b>2000</b> , 14, 3488-3493	1.1	1
1	Critical fluctuations and quenched disordered two-dimensional charge stripes in La <sub>(5/3)</sub> Sr <sub>(1/3)</sub> NiO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 84, 3911-4	7.4	46