

# Hany Fathy Mohamed

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

290  
citations

933447

10  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crucial Role of Oxygen Vacancies in Scintillation and Optical Properties of Undoped and Al-Doped $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> Single Crystals. <i>Crystals</i> , 2022, 12, 429.	2.2	11
2	Study of radiation effect and bismuth content on the physical properties of some chalcogenides based on selenium. <i>Physica Scripta</i> , 2022, 97, 085807.	2.5	1
3	Structural and electronic characteristics of Fe-doped $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> single crystals and the annealing effects. <i>Journal of Materials Science</i> , 2021, 56, 13178.	3.7	18
4	Anisotropic luminescence and third-order electric susceptibility of Mg-doped gallium oxide under the half-bandgap edge. <i>Optics Express</i> , 2021, 29, 18587.	3.4	16
5	Characterization of defect levels in $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> single crystals doped with tantalum. <i>CrystEngComm</i> , 2021, 23, 2835-2841.	2.6	5
6	Modeling of thermal studies on melt quenched Ge <sub>18</sub> Bi <sub>4</sub> Se <sub>78</sub> chalcogenide. <i>Physica Scripta</i> , 2021, 96, 125727.	2.5	1
7	Crossover effect of magnetotransport and magnetocaloric effect in (La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> ) <sub>1-x</sub> (Al <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165388.	2.3	5
8	Impact of aluminum on the Seebeck coefficient and magnetic properties of La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> manganites. <i>Chemical Physics Letters</i> , 2019, 726, 22-28.	2.6	6
9	Growth and fundamentals of bulk $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> single crystals. <i>Journal of Semiconductors</i> , 2019, 40, 011801.	3.7	44
10	Tuning electrical conductivity of $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> single crystals by Ta doping. <i>Journal of Alloys and Compounds</i> , 2019, 788, 925-928.	5.5	40
11	Magnetocaloric effect, electric, and dielectric properties of Nd <sub>0.6</sub> Sr <sub>0.4</sub> Mn <sub>x</sub> Co <sub>1-x</sub> O <sub>3</sub> composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 457, 126-134.	2.3	24
12	Thermopower and magnetocaloric properties in NdSrMnO/CrO <sub>3</sub> composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 217-222.	2.3	7
13	Effect of NiO impurity on the magneto-transport properties of the La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> granular manganite. <i>Chemical Physics Letters</i> , 2018, 713, 272-276.	2.6	4
14	Phase diagram, ac susceptibility and thermoelectric power properties of the La <sub>0.90</sub> Li <sub>0.10</sub> <sup>x</sup> Na <sub>x</sub> MnO <sub>3</sub> manganites. <i>Journal of Alloys and Compounds</i> , 2017, 712, 863-869.	5.5	6
15	Synthesis, characterization and low field magnetotransport of Nd <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /CrO <sub>3</sub> composite. <i>Indian Journal of Physics</i> , 2017, 91, 169-181.	1.8	4
16	Influence of sodium doping on the electrical and magnetic properties of La <sub>0.90</sub> Li <sub>0.10</sub> MnO <sub>3</sub> manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 44-52.	2.3	13
17	The annealing influence onto the electrical and magnetic behavior of magnetoresistive/insulator system. <i>Low Temperature Physics</i> , 2016, 42, 745-751.	0.6	1
18	Influence of heat treatment on the magnetic and magnetocaloric properties in Nd <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> compound. <i>Solid State Sciences</i> , 2016, 57, 1-8.	3.2	7

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19	Enhanced electro-magnetic properties in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /ZrO <sub>2</sub> composites. Indian Journal of Physics, 2015, 89, 561-570.	1.8	12
20	Structural, magnetic and electronic properties on the Li-doped manganites. Journal of Magnetism and Magnetic Materials, 2015, 392, 27-41.	2.3	26
21	Magnetic transitions and electrical transport in Bi-doped lanthanum strontium manganites. Low Temperature Physics, 2014, 40, 418-422.	0.6	8
22	Effect of Li-Substitution on the Resistivity and Magnetoresistance of LaMnO <sub>y</sub> . Journal of Superconductivity and Novel Magnetism, 2011, 24, 597-601.	1.8	7
23	The effect of annealing process on the physical properties of La <sub>1-x</sub> NaxMnO <sub>y</sub> . Journal of Magnetism and Magnetic Materials, 2008, 320, L43-L49.	2.3	10
24	Crystal structure and some transport properties of Na-doped LaMnO <sub>y</sub> . Journal of Magnetism and Magnetic Materials, 2006, 301, 452-457.	2.3	14