

mohammad hossein Ehsani

List of Publications by Year in descending order

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73
papers

1,244
citations

361388

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h-index

434170

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73
all docs

73
docs citations

73
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of high efficiency SnS-based solar cells with SCAPS. Solar Energy, 2018, 176, 520-525.	6.1	108
2	Tunable magnetic and magnetocaloric properties of La _{0.6} Sr _{0.4} MnO ₃ nanoparticles. Journal of Applied Physics, 2013, 114, .	2.5	67
3	Solvothermal synthesis of MnFe ₂ O ₄ nanoparticles: The role of polymer coating on morphology and magnetic properties. Journal of Magnetism and Magnetic Materials, 2016, 399, 236-244.	2.3	67
4	Influence of Sm-doping on the structural, magnetic, and electrical properties of La _{0.8} Sm _x Sr _{0.2} MnO ₃ (0 x ≤ 0.45) manganites. Journal of Alloys and Compounds, 2013, 579, 406-414.	5.5	61
5	Influence of grain size on the electrical properties of the double-layered LaSr ₂ Mn ₂ O ₇ manganite. Journal of Physics and Chemistry of Solids, 2012, 73, 744-750.	4.0	44
6	MnFe ₂ O ₄ bulk, nanoparticles and film: A comparative study of structural and magnetic properties. Ceramics International, 2016, 42, 12789-12795.	4.8	43
7	Structural and magnetic characterization of La _{0.8} Sr _{0.2} MnO ₃ nanoparticles prepared via a facile microwave-assisted method. Journal of Solid State Chemistry, 2014, 215, 1-7.	2.9	41
8	Study of structural and optical properties of ZnS zigzag nanostructured thin films. Applied Surface Science, 2015, 356, 1096-1104.	6.1	36
9	Magnetocaloric properties of La _{0.6} Sr _{0.4} MnO ₃ prepared by solid state reaction method. Journal of Alloys and Compounds, 2016, 689, 865-873.	5.5	35
10	Structural and optical properties of Cd _{1-x} Zn _x S (x = 0, 0.4, 0.8 and 1) thin films prepared using the precursor obtained from microwave irradiation processes. Optik, 2016, 127, 7104-7114.	2.9	35
11	Synthesis and characterization of calcium-doped lanthanum manganite nanowires as a photocatalyst for degradation of methylene blue solution under visible light irradiation. Bulletin of Materials Science, 2018, 41, 1.	1.7	35
12	Tuning the morphology and photocatalytic activity of La _{0.7} Ca _{0.3} MnO ₃ nanorods via different mineralizer-assisted hydrothermal syntheses. Materials Research Bulletin, 2017, 90, 205-211.	5.2	29
13	Modification of the morphology and optical properties of SnS films using glancing angle deposition technique. Applied Surface Science, 2017, 405, 514-520.	6.1	28
14	Modification of hydrophobicity properties of diamond like carbon films using glancing angle deposition method. Materials Letters, 2018, 220, 301-304.	2.6	26
15	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La _{0.6} Sr _{0.4} MnO ₃ ceramic: A comparison between sol-gel and solid state process. Ceramics International, 2017, 43, 5204-5215.	4.8	25
16	The effect of interparticle interactions on spin glass and hyperthermia properties of Fe ₃ O ₄ nanoparticles. Materials Research Express, 2017, 4, 075051.	1.6	25
17	Impact of Gd ion substitution on the magneto-caloric effect of La _{0.6-x} Gd _x Sr _{0.4} MnO ₃ (x = 0, 0.0125, 0.05), T _J = 10.784314 K	2.3	24
18	Optical and structural properties of cadmium telluride films grown by glancing angle deposition. Physica Scripta, 2013, 88, 025602.	2.5	20

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19	The effect of substrate rotation rate on physical properties of cadmium telluride films prepared by a glancing angle deposition method. <i>Thin Solid Films</i> , 2015, 577, 128-133.	1.8	20
20	Size-dependent photocatalytic activity of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ nanoparticles prepared by hydrothermal synthesis. <i>Materials Research Express</i> , 2018, 5, 045012.	1.6	20
21	Electrical and optical characterization of sprayed In_2S_3 thin films as an electron transporting layer in high efficient perovskite solar cells. <i>Solar Energy</i> , 2021, 215, 356-366.	6.1	19
22	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
23	Origin of enhanced multiferroic properties in $\text{Bi}_{0.85}\text{La}_{0.15}\text{Ho}_x\text{FeO}_3$ nanopowders. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 449, 538-544.	2.3	18
24	Structural, optical and photocatalytic properties of $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ nanoparticles prepared by microwave method. <i>Chemical Physics</i> , 2020, 529, 110576.	1.9	17
25	Effects of strain on the magnetic and transport properties of the epitaxial $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 420, 33-38.	2.3	16
26	Effects of rare earth ions substitution on the magnetocaloric and critical behavior of $\text{La}_{0.6}\text{A}_{0.2}\text{Sr}_{0.2}\text{MnO}_3$ (A=Pr, Nd, Ce) manganite. <i>Journal of Alloys and Compounds</i> , 2017, 718, 443-452.	5.5	16
27	Effect of GLAD technique on optical properties of ZnS multilayer antireflection coatings. <i>Materials Research Bulletin</i> , 2018, 100, 265-274.	5.2	16
28	Electronic and optical properties of GaAs/AlGaAs Fibonacci ordered multiple quantum well systems. <i>Superlattices and Microstructures</i> , 2017, 112, 680-687.	3.1	15
29	Substrate-induced changes of structural and optical properties of SnS films prepared by glancing angle deposition. <i>Thin Solid Films</i> , 2018, 663, 85-92.	1.8	15
30	Effect of Gd substitution on the critical scaling of the ferromagnetic transition of $\text{La}_{0.6-x}\text{Gd}_x\text{Sr}_{0.4}\text{MnO}_3$ (x=0, 0.05, 0.1) manganite. <i>Journal of Alloys and Compounds</i> , 2018, 769, 649-659.	5.5	14
31	Modification of optical and mechanical properties of nitrogen doped diamond-like carbon layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19770-19781.	2.2	14
32	Surface modification of ZnS films by applying an external magnetic field in vacuum chamber. <i>Materials Research Express</i> , 2017, 4, 096408.	1.6	13
33	Magnetic Evaluation of the Nanoparticles Coated with Polyvinylpyrrolidone and Polyvinyl Chloride Nanoparticles Synthesized by Electro-deposition Method for Hyperthermia Application. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2021-2030.	1.8	13
34	Structural and magnetic properties of yttrium-substituted $\text{La}_{0.6-x}\text{Y}_x\text{Sr}_{0.4}\text{MnO}_3$ (x=0-0.3). <i>Ceramics International</i> , 2021, 47, 11536-11546.	4.8	13
35	Low-Temperature Electrical Resistivity of Bilayered $\text{LaSr}_2\text{Mn}_2\text{O}_7$ Manganite. <i>Journal of Low Temperature Physics</i> , 2016, 183, 359-370.	1.4	12
36	An investigation on structural and optical properties of nanocolumnar ZnTe thin films grown by glancing angle technique. <i>Materials Research Express</i> , 2020, 7, 026419.	1.6	12

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37	An investigation on the impact of Al doping on the structural and magnetic properties of Fe ₃ O ₄ nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	11
38	The effect of vacancy-defects on the magnetic properties of Ising fullerene-like nano-structures: A Monte Carlo study. Journal of Magnetism and Magnetic Materials, 2020, 502, 166573.	2.3	11
39	Effect of GLAD technique on optical and electrical properties of SnO ₂ /Ag/SnO ₂ structure. Infrared Physics and Technology, 2020, 106, 103263.	2.9	11
40	Potentials of magnetic shape memory alloys for energy harvesting. Journal of Magnetism and Magnetic Materials, 2021, 537, 168112.	2.3	11
41	DC magnetization studies of nano- and micro-particles of bilayered manganite LaSr ₂ Mn ₂ O ₇ . Journal of Alloys and Compounds, 2014, 586, 261-266.	5.5	10
42	An Investigation on Magnetic-Interacting Fe ₃ O ₄ Nanoparticles Prepared by Electrochemical Synthesis Method. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2139-2147.	1.8	9
43	ZnS FILM PROPERTIES MODIFICATION USING OBLIQUE ANGLE DEPOSITION TECHNIQUE. Surface Review and Letters, 2018, 25, 1850119.	1.1	9
44	Correlation study of structural, optical, and hydrophobicity properties of diamond-like carbon films prepared by an anode layer source. Materials Research Express, 2019, 6, 055601.	1.6	9
45	STRUCTURAL AND OPTICAL CHARACTERIZATION OF CdS:Fe THIN FILMS PREPARED BY FLASH EVAPORATION METHOD. Surface Review and Letters, 2012, 19, 1250012.	1.1	8
46	Structural, magnetic and electrical characterization of the La _{0.7} Ca _{0.3} Co _{1-x} Mn _x O ₃ (x=0, 0.7 and 1) compounds prepared by a simple method. Journal of Rare Earths, 2014, 32, 965-972.	4.8	8
47	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
48	Microstructure and Magnetic Properties of FePt Thin Films on SiO ₂ /Si (100) and Si Substrates Prepared Under External Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1949-1961.	1.8	8
49	Hydrothermal synthesis of La _{0.7} Sr _{0.3} MnO ₃ and its application in visible light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 19001-19008.	2.2	8
50	Fabrication of Co thin films using pulsed laser deposition method with or without employing external magnetic field. Journal of Magnetism and Magnetic Materials, 2016, 417, 117-121.	2.3	7
51	Design and fabrication of MgF ₂ single-layer antireflection coating by glancing angle deposition. Materials Research Innovations, 2020, 24, 442-446.	2.3	7
52	Oxygen doping effect on wettability of diamond-like carbon films. Materials Research Express, 2021, 8, 035601.	1.6	7
53	Effects of A-Site Doping on Structural, Magnetic, and Electrical Properties of La _{0.8-x} A _x Sr _{0.2} MnO ₃ (0 ≤ x ≤ 0.6) Manganites (A = Pr, Nd, and Gd). Journal of Superconductivity and Novel Magnetism, 2017, 30, 2683-2692.	1.8	6
54	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

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55	Magneto-caloric properties of La _{0.8} Sm Sr _{0.2} MnO ₃ (x=0.0, 0.05, 0.1, and 0.15). <i>Ceramics International</i> , 2021, 47, 25304-25313.	4.8	6
56	Tuning of physical properties in MoO ₃ thin films deposited by DC sputtering. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	6
57	An Investigation of Eddy Current, Solid Loss, Induced Voltage and Magnetic Torque in Highly Pure Thin Conductors, Using Finite Element Method. , 2015, 11, 412-417.		5
58	Critical Behavior and Size Dependence of Magnetic Entropy Changes on La _{0.6} Sr _{0.4} MnO ₃ Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3723-3732.	1.8	5
59	Photo-catalytic activities of La _{0.7} Ba _{0.3} MnO ₃ nanoparticles. <i>Optik</i> , 2020, 216, 164812.	2.9	5
60	Tunable Structural and Optical Properties of Cadmium Telluride (CdTe) thin Films with Substrate Temperature. , 2015, 11, 114-118.		4
61	Tuning filtering properties of SnS films deposited on Glass/ITO substrate using glancing angle deposition technique. <i>Materials Research Express</i> , 2019, 6, 096415.	1.6	4
62	Tuning the optical properties of SnO ₂ /Ag/SnO ₂ tri-layers by changing Ag thickness. <i>Infrared Physics and Technology</i> , 2020, 109, 103421.	2.9	4
63	Synthesis and characterization of tin (IV) oxide thin films. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	4
64	Evaluation of Iron and Au-Fe ₃ O ₄ Ferrite Nanoparticles for Biomedical Application. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 215-222.	1.8	4
65	Anomalous Magnetic Properties of the Bilayered LaSr ₂ Mn ₂ z Co z O ₇ (z=0.15) Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 3151-3157.	1.8	3
66	INVESTIGATING ANNEALING EFFECT ON OPTICAL PROPERTIES OF Cd _{0.8} Zn _{0.2} S THIN FILMS. <i>Surface Review and Letters</i> , 2014, 21, 1450073.	1.1	3
67	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
68	Substrate temperature effect on the structural, morphological and optical properties of CdTe films. <i>Materials Research Innovations</i> , 2018, 22, 91-98.	2.3	2
69	Photoresponsivity enhancement of SnS porous film. <i>Surfaces and Interfaces</i> , 2020, 21, 100790.	3.0	1
70	An Investigation on Viscosity of La _{0.6} Sr _{0.4} MnO ₃ /Water Nanofluid in the Presence of Magnetic Field. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 895-902.	1.5	1
71	Magnetocaloric Materials. , 2021, , .		1
72	The electrical transition temperature and magnetoresistance prediction of LaSr ₂ Mn ₂ O ₇ bilayered manganite. <i>Journal of King Saud University, Engineering Sciences</i> , 2018, 30, 339-344.	2.0	0

#	ARTICLE	IF	CITATIONS
73	Tuning optical properties of CdS films using oblique angle deposition technique. Optical and Quantum Electronics, 2022, 54, 1.	3.3	0