

M M Bagheri-Mohagheghi

List of Publications by Year in Descending Order

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

79
papers

1,305
citations

19
h-index

34
g-index

80
ext. papers

1,462
ext. citations

2.3
avg, IF

4.85
L-index

#	Paper	IF	Citations
79	Bi-doped SnO ₂ transparent conducting thin films deposited by spray pyrolysis: structural, electrical, optical, and photo-thermoelectric properties. <i>Optical and Quantum Electronics</i> , 2022 , 54, 1	2.4	0
78	The effect of cobalt (Co) concentration on structural, optical, and electrochemical properties of tungsten oxide (WO ₃) thin films deposited by spray pyrolysis. <i>Journal of Solid State Electrochemistry</i> , 2022 , 26, 401	2.6	1
77	Structural, optical, and photo-response properties of MoO ₃ :W:S compound thin films prepared by spray pyrolysis: effect of annealing under sulfuration and bandgap modulation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 7288-7299	2.1	
76	Synthesis and Electrochemical Properties of Layered Birnessite MnO ₂ /Activated Carbon Nanocomposite. <i>Journal of Electronic Materials</i> , 2022 , 51, 2412-2432	1.9	
75	Synthesis, characterization, and the study of structural and optical properties of core/shell nanoparticles of SiO ₂ @CuO for solar absorption collectors application. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 7765-7780	2.1	
74	Dysprosium stannate (Dy ₂ Sn ₂ O ₇)-nanostructured thin films prepared by spray pyrolysis technique: effect of dysprosium and annealing on the physical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10611-10622	2.1	
73	Synthesis of Si/rGO nano-composites as anode electrode for lithium-ion battery by CTAB and citrate: physical properties and voltage capacity cyclic characterizations. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 16456-16466	2.1	
72	Synthesis and structural and optical properties of SiO ₂ /activated carbon nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 18425-18438	2.1	2
71	Effect of H ₂ Te ₂ O ₆ and TeO ₂ phases on structural and electrochromic properties of WO ₃ /TeO ₂ nanostructured binary thin films. <i>Journal of Materials Science</i> , 2021 , 56, 14644-14658	4.3	0
70	Synthesis of High Purity Bismuth Telluride (Bi ₂ Te ₃) Nanostructures by Co-precipitation Process and Annealing Under Hydrazine Vapor: Structural and Thermoelectric Studies. <i>Journal of Electronic Materials</i> , 2021 , 50, 5268	1.9	
69	Purification, Synthesis and Structural, Optical Characterizations of Silicon (Si) Nano-Particles from Bentonite Mineral: the Effect of Magnesium-Thermic Chemical Reduction. <i>Silicon</i> , 2021 , 13, 1367-1379	2.4	1
68	Synthesis and study of structural, optical and magnetic properties of Ni ₃ P/Ni compounds nanoparticles: The effect of reduction and complexing agents. <i>Solid State Communications</i> , 2021 , 325, 114167	1.6	
67	The effect of WO ₃ /TeO ₂ molar concentration on the structural, optical, and thermoelectric properties of WO ₃ /TeO ₂ binary thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 1766-1777	2.1	1
66	Study of the Synthesis Process of MoO ₃ to MoS ₂ Thin Films Deposited by Spray Pyrolysis: The Effect of [S/Mo] Mole Concentration and Sulfurization Process. <i>Journal of Electronic Materials</i> , 2021 , 50, 3341-3347	1.9	0
65	The effect of stoichiometric ratio of Mg/SiO ₂ and annealing on physical properties of silicon nanoparticles by magnesium-thermic chemical reduction process using the SiO ₂ precursor. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	4
64	Characterization, Electrical and Electrochemical Study of La _{0.9} Sr _{1.1} Co _{1-x} MoxO ₄ (x 0.1) as Cathode for Solid Oxide Fuel Cells. <i>Journal of Electronic Materials</i> , 2020 , 49, 6448-6454	1.9	2
63	Magneto-transport and magneto-optical properties of Cr-alloyed SnO ₂ thin films: A correlation between structural and magnetic behaviors. <i>Solid State Communications</i> , 2019 , 298, 113641	1.6	2

62	The precursor solution effect on the synthesis, structure, and optical properties of the WO ₃ TeO ₂ binary compound. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	2
61	The effect of pH and annealing temperature on TeMo ₅ O ₁₆ ternary compound: investigation of structural and optical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 233-245	2.3	2
60	Electromagnetic characterisation of multi-wall carbon nanotube-doped fluorine tin oxide for transparent antenna applications. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 859-863	1.6	3
59	Magneto-transport and magneto-optical studies on SnO ₂ transparent semiconducting thin films alloyed with Mn over a wide range of concentration. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	3
58	Cobalt spin states investigation of Ruddlesden-Popper La _{2-x} Sr _x CoO ₄ , using X-ray diffraction and infrared spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 465, 768-774	2.8	15
57	High temperature electrical conductivity and electrochemical investigation of La _{2-x} Sr _x CoO ₄ nanoparticles for IT-SOFC cathode. <i>Ceramics International</i> , 2018 , 44, 21238-21248	5.1	13
56	The effect of chemical reduction conditions on the structural and optical properties of WO ₃ TeO ₂ binary compounds by controlled synthesis from oxide precursors. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	6
55	Effect of a wide range of Mn concentration on structural, electrical and optical properties of SnO ₂ transparent semiconducting films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2860-2867	2.1	1
54	Synthesis and physical properties of multi-layered graphene sheets by Arc-discharge method with TiO ₂ and ZnO catalytic. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 6186-6193	2.1	6
53	Transport, structural and optical properties of SnO ₂ transparent semiconductor thin films alloyed with chromium: carrier type conversion. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 13328-13335	2.1	8
52	Characterization and study of reduction and sulfurization processing in phase transition from molybdenum oxide (MoO ₂) to molybdenum disulfide (MoS ₂) chalcogenide semiconductor nanoparticles prepared by one-stage chemical reduction method. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	10
51	Synthesis and characterization of porous nanoparticles of molybdenum sulfide (MoS ₂) chalcogenide semiconductor prepared by polymerizing-complexing sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14331-14340	2.1	2
50	The effect of solution flow rate and substrate temperature on structural and optical properties of TiO ₂ films deposited by spray pyrolysis technique. <i>Thin Solid Films</i> , 2017 , 621, 98-101	2.2	18
49	Holographic superconductor in a deformed four-dimensional STU model. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	6
48	Effect of the graphene doping level on the electrical and optical properties of indium tin oxide (ITO) films prepared by spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10411-10420	2.1	3
47	Effect of very low to high Sb-doping on the structural, electrical, photo-conductive and thermoelectric properties of fluorine-doped SnO ₂ (FTO) thin films prepared by spray pyrolysis technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 2305-2314	2.1	2
46	Comparison of chemical and physical reduction methods to prepare layered graphene by graphene oxide: optimization of the structural properties and tuning of energy band gap. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 260-271	2.1	19
45	Transparent microstrip antenna made of fluorine doped tin oxide: a comprehensive study. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 1557-1569	1.3	12

44	Transparent microstrip patch antenna based on fluorine-doped tin oxide deposited by spray pyrolysis technique. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1221-1229	1.6	25
43	Study of structural, electrical and photoconductive properties of F and P co-doped SnO ₂ transparent semiconducting thin film deposited by spray pyrolysis. <i>Materials Science in Semiconductor Processing</i> , 2015 , 30, 400-405	4.3	17
42	Study of structural and optical properties of nanostructured V ₂ O ₅ thin films doped with fluorine. <i>Materials Science in Semiconductor Processing</i> , 2015 , 31, 693-699	4.3	19
41	Structural verification and optical characterization of SiO ₂ @Au@TiO ₂ nanoparticles. <i>Bulletin of Materials Science</i> , 2014 , 37, 527-532	1.7	1
40	Effect of Zn-doping on absorption coefficient and photo-conductivity of SnS ₂ thin films deposited by spray pyrolysis technique. <i>Indian Journal of Physics</i> , 2014 , 88, 563-570	1.4	4
39	Study of structural, morphological and optical properties of S and Cu co-doped SnO ₂ nanostructured thin films prepared by spray pyrolysis. <i>International Journal of Materials Research</i> , 2014 , 105, 1128-1131	0.5	
38	Transition from anatase to rutile phase in titanium dioxide (TiO ₂) nanoparticles synthesized by complexing sol-gel process: effect of kind of complexing agent and calcinating temperature. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 329-335	2.3	22
37	Nanocrystalline ITO-SnS ₃ transparent thin films for photoconductive sensor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 3694-3700	2.1	1
36	Comparison of sol-gel and co-precipitation methods on the structural properties and phase transformation of Zn and Al ₂ O ₃ nanoparticles. <i>Advances in Manufacturing</i> , 2013 , 1, 176-182	2.7	61
35	Gradual growth of gold nanoseeds on silica for SiO ₂ @gold homogeneous nano core/shell applications by the chemical reduction method. <i>Physica Scripta</i> , 2013 , 87, 025802	2.6	16
34	Spray pyrolysis of tin selenide thin-film semiconductors: the effect of selenium concentration on the properties of the thin films. <i>Journal of Semiconductors</i> , 2013 , 34, 082001	2.3	3
33	Effect of S-doping on structural, optical and electrochemical properties of vanadium oxide thin films prepared by spray pyrolysis. <i>Physica Scripta</i> , 2013 , 88, 065701	2.6	11
32	Study of structural, electrical and optical properties of vanadium oxide condensed films deposited by spray pyrolysis technique. <i>Advances in Manufacturing</i> , 2013 , 1, 320-328	2.7	30
31	Tin doped SnS ₃ thin films prepared by spray pyrolysis: Correlation between structural, electrical, optical, thermoelectric and photoconductive properties. <i>Thin Solid Films</i> , 2013 , 536, 57-62	2.2	25
30	Comparison of Urea and Citric Acid Complexing Agents and Annealing Temperature Effect on the Structural Properties of Zn and Al ₂ O ₃ Nanoparticles Synthesized by Sol-Gel Method. <i>Advances in Materials Science and Engineering</i> , 2013 , 2013, 1-9	1.5	14
29	CHARACTERIZATION AND ELECTROCHROMIC PROPERTIES OF VANADIUM OXIDE THIN FILMS PREPARED VIA SPRAY PYROLYSIS. <i>Modern Physics Letters B</i> , 2013 , 27, 1350152	1.6	7
28	The effect of solution concentration on the physical and electrochemical properties of vanadium oxide films deposited by spray pyrolysis. <i>Journal of Semiconductors</i> , 2013 , 34, 103001	2.3	7
27	Synthesis and characterization of nanostructural CuS@SnS binary compound thin films prepared by spray pyrolysis. <i>Optics Communications</i> , 2012 , 285, 4400-4404	2	27

26	The structural, thermoelectric and photoconductive properties of sulfur doped In ₂ O ₃ thin films prepared by spray pyrolysis. <i>Physica Scripta</i> , 2012 , 86, 055701	2.6	5
25	Structural, electrical, optical, thermoelectrical and photoconductivity properties of the SnO ₂ /Al ₂ O ₃ binary transparent conducting films deposited by the spray pyrolysis method. <i>Physica Scripta</i> , 2012 , 85, 015703	2.6	10
24	Study of structural, electrical, optical, thermoelectric and photoconductive properties of S and Al co-doped SnO ₂ semiconductor thin films prepared by spray pyrolysis. <i>Thin Solid Films</i> , 2012 , 520, 6503-6509	2.3	21
23	Synthesis, characterization and study of optical properties of polyvinyl alcohol/ CaF ₂ nanocomposite films. <i>Scientia Iranica</i> , 2012 , 19, 1979-1983	1.5	12
22	Preparation and characterization of Cu ₂ SnS ₃ ternary semiconductor nanostructures via the spray pyrolysis technique for photovoltaic applications. <i>Physica Scripta</i> , 2012 , 85, 035603	2.6	63
21	Determination of the optimal parameters for the fabrication of ZnO thin films prepared by spray pyrolysis method 2012 , 78, 625-634		6
20	Effect of annealing temperature on the structural and magnetic properties of Co-doped TiO ₂ nanoparticles via complex-polymer sol-gel method. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 950-4	1.3	4
19	Effect of deposition conditions on the physical properties of Sn _x Sy thin films prepared by the spray pyrolysis technique. <i>Journal of Semiconductors</i> , 2011 , 32, 113002	2.3	12
18	The effect of activity coefficient on growth control of ZnO nanoparticles. <i>Physica Scripta</i> , 2011 , 83, 015801	2.6	3
17	Nickel/Thium oxide alloy transparent conducting films deposited by spray pyrolysis technique. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2770-2775	5.7	30
16	The effect of complexing agent on the crystallization of ZnO nanoparticles 2011 , 77, 679-688		2
15	Nanoparticles of Ni/NiO embedded in TiO ₂ synthesized by the complex-polymer sol-gel method. <i>Physica Scripta</i> , 2011 , 84, 035702	2.6	16
14	A study of the photoconductivity and thermoelectric properties of Sn _x Sy optical semiconductor thin films deposited by the spray pyrolysis technique. <i>Physica Scripta</i> , 2011 , 84, 035705	2.6	25
13	Synthesis and characterization of Cu doped cobalt oxide nanocrystals as methane gas sensors. <i>Physica Scripta</i> , 2011 , 84, 015801	2.6	25
12	Deposition and characterization of ZnO:Mg thin films: the study of antibacterial properties. <i>Physica Scripta</i> , 2011 , 84, 035801	2.6	17
11	Fabrication and characterization of transparent p-n and p-n heterojunctions prepared by spray pyrolysis technique: Effect of post-annealing process and intrinsic middle layer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 43, 93-96	3	9
10	Effect of post-annealing temperature on nano-structure and energy band gap of indium tin oxide (ITO) nano-particles synthesized by polymerizing-complexing sol-gel method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 43, 452-457	3	30
9	The electrical, optical, structural and thermoelectrical characterization of n- and p-type cobalt-doped SnO ₂ transparent semiconducting films prepared by spray pyrolysis technique. <i>Physica B: Condensed Matter</i> , 2010 , 405, 4205-4210	2.8	49

8	Fe-doped SnO ₂ transparent semi-conducting thin films deposited by spray pyrolysis technique: Thermoelectric and p-type conductivity properties. <i>Solid State Sciences</i> , 2009 , 11, 233-239	3.4	119
7	Structure comparison of PMNBT and PMNBTZT nanocrystals prepared by gel-combustion method at optimized temperatures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1701-1706 ³		13
6	Effect of the synthesis route on the structural properties and shape of the indium oxide (In ₂ O ₃) nano-particles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1757-1762	3	19
5	The effect of the post-annealing temperature on the nano-structure and energy band gap of SnO ₂ semiconducting oxide nano-particles synthesized by polymerizing-complexing sol-gel method. <i>Physica B: Condensed Matter</i> , 2008 , 403, 2431-2437	2.8	107
4	The influence of Al doping on the electrical, optical and structural properties of SnO ₂ transparent conducting films deposited by the spray pyrolysis technique. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 1248-1253	3	100
3	Electrical, optical and structural properties of Li-doped SnO ₂ transparent conducting films deposited by the spray pyrolysis technique: a carrier-type conversion study. <i>Semiconductor Science and Technology</i> , 2004 , 19, 764-769	1.8	105
2	The effect of high acceptor dopant concentration of Zn ²⁺ on electrical, optical and structural properties of the In ₂ O ₃ transparent conducting thin films. <i>Semiconductor Science and Technology</i> , 2003 , 18, 97-103	1.8	28
1	Investigations on the physical properties of the SnO ₂ /ZnO transparent conducting binary system deposited by spray pyrolysis technique. <i>Thin Solid Films</i> , 2003 , 441, 238-242	2.2	41