M M Bagheri-Mohagheghi

List of Publications by Citations

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	Fe-doped SnO2 transparent semi-conducting thin films deposited by spray pyrolysis technique: Thermoelectric and p-type conductivity properties. *Solid State Sciences*, **2009**, 11, 233-239	3.4	119
78	The effect of the post-annealing temperature on the nano-structure and energy band gap of SnO2 semiconducting oxide nano-particles synthesized by polymerizing complexing sol gel method. *Physica B: Condensed Matter*, **2008**, 403, 2431-2437	2.8	107
77	Electrical, optical and structural properties of Li-doped SnO2transparent conducting films deposited by the spray pyrolysis technique: a carrier-type conversion study. *Semiconductor Science and Technology*, **2004**, 19, 764-769	1.8	105
76	The influence of Al doping on the electrical, optical and structural properties of SnO2transparent conducting films deposited by the spray pyrolysis technique. *Journal Physics D: Applied Physics*, **2004**, 37, 1248-1253	3	100
75	Preparation and characterization of Cu2SnS3ternary semiconductor nanostructures via the spray pyrolysis technique for photovoltaic applications. *Physica Scripta*, **2012**, 85, 035603	2.6	63
74	Comparison of sol-gel and co-precipitation methods on the structural properties and phase transformation of and Al2O3 nanoparticles. *Advances in Manufacturing*, **2013**, 1, 176-182	2.7	61
73	The electrical, optical, structural and thermoelectrical characterization of n- and p-type cobalt-doped SnO2 transparent semiconducting films prepared by spray pyrolysis technique. *Physica B: Condensed Matter*, **2010**, 405, 4205-4210	2.8	49
72	Investigations on the physical properties of the SnO2ZnO transparent conducting binary binary system deposited by spray pyrolysis technique. *Thin Solid Films*, **2003**, 441, 238-242	2.2	41
71	Study of structural, electrical and optical properties of vanadium oxide condensed films deposited by spray pyrolysis technique. *Advances in Manufacturing*, **2013**, 1, 320-328	2.7	30
70	Nickel thium oxide alloy transparent conducting films deposited by spray pyrolysis technique. *Journal of Alloys and Compounds*, **2011**, 509, 2770-2775	5.7	30
69	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. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 43, 452-457	3	30
68	The effect of high acceptor dopant concentration of Zn2 on electrical, optical and structural properties of the In2O3transparent conducting thin films. *Semiconductor Science and Technology*, **2003**, 18, 97-103	1.8	28
67	Synthesis and characterization of nanostructural CuS ZnS binary compound thin films prepared by spray pyrolysis. *Optics Communications*, **2012**, 285, 4400-4404	2	27
66	Transparent microstrip patch antenna based on fluorine-doped tin oxide deposited by spray pyrolysis technique. *IET Microwaves, Antennas and Propagation*, **2015**, 9, 1221-1229	1.6	25
65	Tin doped n2S3 thin films prepared by spray pyrolysis: Correlation between structural, electrical, optical, thermoelectric and photoconductive properties. *Thin Solid Films*, **2013**, 536, 57-62	2.2	25
64	A study of the photoconductivity and thermoelectric properties of SnxSyoptical semiconductor thin films deposited by the spray pyrolysis technique. *Physica Scripta*, **2011**, 84, 035705	2.6	25
63	Synthesis and characterization of Cu doped cobalt oxide nanocrystals as methane gas sensors. *Physica Scripta*, **2011**, 84, 015801	2.6	25

62	Transition from anatase to rutile phase in titanium dioxide (TiO2) nanoparticles synthesized by complexing sol–gel process: effect of kind of complexing agent and calcinating temperature. *Journal of Sol-Gel Science and Technology*, **2013**, 65, 329-335	2.3	22
61	Study of structural, electrical, optical, thermoelectric and photoconductive properties of S and Al co-doped SnO2 semiconductor thin films prepared by spray pyrolysis. *Thin Solid Films*, **2012**, 520, 6503-6509	2.2	21
60	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. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 260-271	2.1	19
59	Study of structural and optical properties of nanostructured V2O5 thin films doped with fluorine. *Materials Science in Semiconductor Processing*, **2015**, 31, 693-699	4.3	19
58	Effect of the synthesis route on the structural properties and shape of the indium oxide (In2O3) nano-particles. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 1757-1762	3	19
57	The effect of solution flow rate and substrate temperature on structural and optical properties of TiO 2 films deposited by spray pyrolysis technique. *Thin Solid Films*, **2017**, 621, 98-101	2.2	18
56	Study of structural, electrical and photoconductive properties of F and P co-doped SnO2 transparent semiconducting thin film deposited by spray pyrolysis. *Materials Science in Semiconductor Processing*, **2015**, 30, 400-405	4.3	17
55	Deposition and characterization of ZnO:Mg thin films: the study of antibacterial properties. *Physica Scripta*, **2011**, 84, 035801	2.6	17
54	Gradual growth of gold nanoseeds on silica for SiO2@gold homogeneous nano core/shell applications by the chemical reduction method. *Physica Scripta*, **2013**, 87, 025802	2.6	16
53	Nanoparticles of Ni/NiO embedded in TiO2synthesized by the complex-polymer sol–gel method. *Physica Scripta*, **2011**, 84, 035702	2.6	16
52	Cobalt spin states investigation of Ruddlesden-Popper La2−xSrxCoO4, using X-ray diffraction and infrared spectroscopy. *Journal of Magnetism and Magnetic Materials*, **2018**, 465, 768-774	2.8	15
51	Comparison of Urea and Citric Acid Complexing Agents and Annealing Temperature Effect on the Structural Properties of - and -Alumina Nanoparticles Synthesized by Sol-Gel Method. *Advances in Materials Science and Engineering*, **2013**, 2013, 1-9	1.5	14
50	High temperature electrical conductivity and electrochemical investigation of La2-xSrxCoO4 nanoparticles for IT-SOFC cathode. *Ceramics International*, **2018**, 44, 21238-21248	5.1	13
49	Structure comparison of PMN–PT and PMN–PZT nanocrystals prepared by gel-combustion method at optimized temperatures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 1701-1706	3	13
48	Transparent microstrip antenna made of fluorine doped tin oxide: a comprehensive study. *Journal of Electromagnetic Waves and Applications*, **2015**, 29, 1557-1569	1.3	12
47	Synthesis, characterization and study of optical properties of polyvinyl alcohol/ CaF2 nanocomposite films. *Scientia Iranica*, **2012**, 19, 1979-1983	1.5	12
46	Effect of deposition conditions on the physical properties of SnxSythin films prepared by the spray pyrolysis technique. *Journal of Semiconductors*, **2011**, 32, 113002	2.3	12
45	Effect of S-doping on structural, optical and electrochemical properties of vanadium oxide thin films prepared by spray pyrolysis. *Physica Scripta*, **2013**, 88, 065701	2.6	11

44	Characterization and study of reduction and sulfurization processing in phase transition from molybdenum oxide (MoO2) to molybdenum disulfide (MoS2) chalcogenide semiconductor nanoparticles prepared by one-stage chemical reduction method. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	10
43	Structural, electrical, optical, thermoelectrical and photoconductivity properties of the SnO2/Al2O3binary transparent conducting films deposited by the spray pyrolysis method. *Physica Scripta*, **2012**, 85, 015703	2.6	10
42	Fabrication and characterization of transparent p/n and p/i/n heterojunctions prepared by spray pyrolysis technique: Effect of post-annealing process and intrinsic middle layer. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 43, 93-96	3	9
41	Transport, structural and optical properties of SnO2 transparent semiconductor thin films alloyed with chromium: carrier type conversion. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 13328-13335	2.1	8
40	CHARACTERIZATION AND ELECTROCHROMIC PROPERTIES OF VANADIUM OXIDE THIN FILMS PREPARED VIA SPRAY PYROLYSIS. *Modern Physics Letters B*, **2013**, 27, 1350152	1.6	7
39	The effect of solution concentration on the physical and electrochemical properties of vanadium oxide films deposited by spray pyrolysis. *Journal of Semiconductors*, **2013**, 34, 103001	2.3	7
38	Synthesis and physical properties of multi-layered graphene sheets by Arc-discharge method with TiO2 and ZnO catalytic. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 6186-6193	2.1	6
37	The effect of chemical reduction conditions on the structural and optical properties of WO3/TeO2 binary compounds by controlled synthesis from oxide precursors. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	6
36	Holographic superconductor in a deformed four-dimensional STU model. *European Physical Journal C*, **2017**, 77, 1	4.2	6
35	Determination of the optimal parameters for the fabrication of ZnO thin films prepared by spray pyrolysis method **2012**, 78, 625-634		6
34	The structural, thermoelectric and photoconductive properties of sulfur doped In2O3thin films prepared by spray pyrolysis. *Physica Scripta*, **2012**, 86, 055701	2.6	5
33	Effect of Zn-doping on absorption coefficient and photo-conductivity of SnS2 thin films deposited by spray pyrolysis technique. *Indian Journal of Physics*, **2014**, 88, 563-570	1.4	4
32	Effect of annealing temperature on the structural and magnetic properties of Co-doped TiO2 nanoparticles via complex-polymer sol-gel method. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 950-4	1.3	4
31	The effect of stoichiometric ratio of Mg/SiO2 and annealing on physical properties of silicon nanoparticles by magnesium-thermic chemical reduction process using the SiO2 precursor. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	4
30	Magneto-transport and magneto-optical studies on SnO2 transparent semiconducting thin films alloyed with Mn over a wide range of concentration. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	3
29	Effect of the graphene doping level on the electrical and optical properties of indium tin oxide (ITO) films prepared by spray pyrolysis. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 10411-10420	2.1	3
28	Spray pyrolysis of tin selenide thin-film semiconductors: the effect of selenium concentration on the properties of the thin films. *Journal of Semiconductors*, **2013**, 34, 082001	2.3	3
27	The effect of activity coefficient on growth control of ZnO nanoparticles. *Physica Scripta*, **2011**, 83, 015801	2.6	3

26	Electromagnetic characterisation of multi-wall carbon nanotube□doped fluorine tin oxide for transparent antenna applications. *IET Microwaves, Antennas and Propagation*, **2019**, 13, 859-863	1.6	3
25	Magneto-transport and magneto-optical properties of Cr-alloyed SnO2 thin films: A correlation between structural and magnetic behaviors. *Solid State Communications*, **2019**, 298, 113641	1.6	2
24	The precursor solution effect on the synthesis, structure, and optical properties of the WO3□TeO2 binary compound. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	2
23	The effect of pH and annealing temperature on TeMo5O16 ternary compound: investigation of structural and optical properties. *Journal of Sol-Gel Science and Technology*, **2019**, 91, 233-245	2.3	2
22	Effect of very low to high Sb-doping on the structural, electrical, photo-conductive and thermoelectric properties of fluorine-doped SnO2 (FTO) thin films prepared by spray pyrolysis technique. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 2305-2314	2.1	2
21	Synthesis and characterization of porous nanoparticles of molybdenum sulfide (MoS2) chalcogenide semiconductor prepared by polymerizing-complexing sol□gel method. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 14331-14340	2.1	2
20	The effect of complexing agent on the crystallization of ZnO nanoparticles **2011**, 77, 679-688		2
19	Characterization, Electrical and Electrochemical Study of La0.9Sr1.1Co1□MoxO4 (x □0.1) as Cathode for Solid Oxide Fuel Cells. *Journal of Electronic Materials*, **2020**, 49, 6448-6454	1.9	2
18	Synthesis and structural and optical properties of SiO2/activated carbon nanocomposites. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 18425-18438	2.1	2
17	Structural verification and optical characterization of SiO2□Au□Cu2O nanoparticles. *Bulletin of Materials Science*, **2014**, 37, 527-532	1.7	1
16	Nanocrystalline ITO-Sn2S3 transparent thin films for photoconductive sensor applications. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 3694-3700	2.1	1
15	The effect of cobalt (Co) concentration on structural, optical, and electrochemical properties of tungsten oxide (WO3) thin films deposited by spray pyrolysis. *Journal of Solid State Electrochemistry* , **2022**, 26, 401	2.6	1
14	Purification, Synthesis and Structural, Optical Characterizations of Silicon (Si) Nano-Particles from Bentonite Mineral: the Effect of Magnesium-Thermic Chemical Reduction. *Silicon*, **2021**, 13, 1367-1379	2.4	1
13	The effect of WO3/TeO2 molar concentration on the structural, optical, and thermoelectric properties of WO3□TeO2 binary thin films. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 1766-1777	2.1	1
12	Effect of a wide range of Mn concentration on structural, electrical and optical properties of SnO2 transparent semiconducting films. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 2860-2867	2.1	1
11	Bi-doped SnO2 transparent conducting thin films deposited by spray pyrolysis: structural, electrical, optical, and photo-thermoelectric properties. *Optical and Quantum Electronics*, **2022**, 54, 1	2.4	0
10	Effect of H2Te2O6 and TeO2 phases on structural and electrochromic properties of WO3□TeO2 nanostructured binary thin films. *Journal of Materials Science*, **2021**, 56, 14644-14658	4.3	0
9	Study of the Synthesis Process of MoO3 to MoS2 Thin Films Deposited by Spray Pyrolysis: The Effect of [S/Mo] Mole Concentration and Sulfurization Process. *Journal of Electronic Materials*, **2021** , 50, 3341-3347	1.9	0

8	Study of structural, morphological and optical properties of S and Cu co-doped SnO2 nanostructured thin films prepared by spray pyrolysis. *International Journal of Materials Research*, **2014**, 105, 1128-1131	0.5
7	Dysprosium stannate (Dy2Sn2O7)-nanostructured thin films prepared by spray pyrolysis technique: effect of dysprosium and annealing on the physical properties. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 10611-10622	2.1
6	Synthesis of Si/rGO nano-composites as anode electrode for lithium-ion battery by CTAB and citrate: physical properties and voltage□apacity cyclic characterizations. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 16456-16466	2.1
5	Synthesis of High Purity Bismuth Telluride (Bi2Te3) Nanostructures by Co-precipitation Process and Annealing Under Hydrazine Vapor: Structural and Thermoelectric Studies. *Journal of Electronic Materials*, **2021**, 50, 5268	1.9
4	Synthesis and study of structural, optical and magnetic properties of Ni3P□Ni compounds nanoparticles: The effect of reduction and complexing agents. *Solid State Communications*, **2021**, 325, 114167	1.6
3	Structural, optical, and photo-response properties of MoO3:W:S compound thin films prepared by spray pyrolysis: effect of annealing under sulfuration and bandgap modulation. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 7288-7299	2.1
2	Synthesis and Electrochemical Properties of Layered Birnessite MnO2/Activated Carbon Nanocomposite. *Journal of Electronic Materials*, **2022**, 51, 2412-2432	1.9
1	Synthesis, characterization, and the study of structural and optical properties of core/shell nanoparticles of SiO2@CuO for solar absorption collectors application. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 7765-7780	2.1