

C Sanjeeviraja

List of Publications by Year in descending order

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222
papers

6,621
citations

57719

44
h-index

91828

69
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224
all docs

224
docs citations

224
times ranked

7123
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical constants, optical dispersion and group index parameters of Mn ₂ O ₃ thin films. Physica B: Condensed Matter, 2022, 624, 413431.	1.3	9
2	Phase tuning of nebulized spray deposited manganese oxide thin films by the effect of annealing temperature and their linear and non-linear optical parameters. Optik, 2022, 254, 168687.	1.4	2
3	Studies on the properties of copper tin hydroxide-based catalysts prepared by co-precipitation method for photocatalytic degradation of methylene blue dye. Journal of Materials Science: Materials in Electronics, 2022, 33, 11687-11700.	1.1	1
4	Rare earth (RE: La and Ce) elements doped ZnWO ₄ nanoparticles for enhanced photocatalytic removal of methylene blue dye from aquatic environment. Physica B: Condensed Matter, 2022, 639, 414028.	1.3	7
5	Preparation of pure NiO thin film by radio frequency magnetron sputtering technique and investigation on its properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 16136-16143.	1.1	2
6	Temperature induced thermochromism of m-BiVO ₄ thin films prepared by sol-gel spin coating technique. Materials Letters, 2021, 285, 129200.	1.3	12
7	WO ₃ /TiO ₂ hierarchical nanostructures for electrochromic applications. Materials Science in Semiconductor Processing, 2021, 123, 105515.	1.9	11
8	A detailed analysis on optical parameters of spinel structured Mn ₃ O ₄ thin films deposited by nebulized spray pyrolysis technique. Optical Materials, 2021, 111, 110580.	1.7	13
9	Tuning the properties of Cd _{1-x} Mn _x S films deposited by nebulized spray pyrolysis. Optik, 2021, 227, 166088.	1.4	0
10	Photocatalytic degradation of methylene blue dye using ZnWO ₄ catalyst prepared by a simple co-precipitation technique. Journal of Sol-Gel Science and Technology, 2021, 97, 572-580.	1.1	19
11	Ternary CuO:SnO ₂ :ZnO (1:1:1) composite thin film for room temperature gas sensor application. Optik, 2021, 234, 166615.	1.4	6
12	Brown coloration and electrochromic properties of nickel doped TiO ₂ thin films deposited by nebulized spray pyrolysis technique. Thin Solid Films, 2020, 694, 137754.	0.8	11
13	Realization of highly conducting and transparent SnO ₂ thin films by optimizing F/Sn molar ratio for electrochemical applications. Thin Solid Films, 2020, 713, 138362.	0.8	8
14	Sputtering Power and Annealing Effects on the Properties of Zn ₂ SnO ₄ â€“SnO ₂ Composite Thin Film for Pungent Smelling Gas (NH ₃) Detection. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000512.	0.8	4
15	Room temperature ammonia gas sensing characteristics of copper oxide-tin oxide composite thin films prepared by radio frequency magnetron sputtering technique. Journal of Materials Science: Materials in Electronics, 2020, 31, 18018-18036.	1.1	6
16	Development of room temperature sensor based on high quality rhombohedral Al ₂ O ₃ :Cr ₂ O ₃ (1:1) thin film with bone like morphological feature for ultrasensitive detection of NH ₃ gas. Journal of Materials Science: Materials in Electronics, 2020, 31, 10123-10141.	1.1	3
17	Effects of Sputtering Power and Substrate Temperature on the Optical Properties of Al ₂ O ₃ :Cr ₂ O ₃ Thin Films. Materials Today: Proceedings, 2019, 9, 193-198.	0.9	5
18	Influences of sputtering power and annealing temperature on the structural and optical properties of Al ₂ O ₃ :CuO thin films fabricated by radio frequency magnetron sputtering technique. Journal of Materials Science: Materials in Electronics, 2019, 30, 18315-18327.	1.1	5

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19	Structural and electrochemical studies of $\text{LiNi}_x\text{Co}_{1-x}\text{VO}_4$ ($x=0.2, 0.8$) cathode materials for rechargeable lithium batteries. <i>Ionics</i> , 2019, 25, 4089-4098.	1.2	0
20	Eco-friendly nebulized spray deposition of bifunctional anatase TiO_2 thin films exhibiting multicolor switching and efficient NH_3 gas sensing at room temperature. <i>Materials Research Express</i> , 2019, 6, 065053.	0.8	6
21	$\text{Al}_2\text{O}_3\text{:Cr}_2\text{O}_3\text{:CuO}$ (1:1:1) thin film prepared by radio frequency magnetron sputtering technique: a promising material for high sensitive room temperature ammonia sensor. <i>Materials Research Express</i> , 2019, 6, 066422.	0.8	11
22	Development of automated spray pyrolysis setup for chemical vapour deposition like growth of thin solid films. <i>Journal of Instrumentation</i> , 2019, 14, P04002-P04002.	0.5	3
23	Facile fabrication of spinel structured n-type CuAl_2O_4 thin film with nano-grass like morphology by sputtering technique. <i>Applied Surface Science</i> , 2019, 483, 601-615.	3.1	31
24	Tailoring the physical properties and electrochromic performance of nebulizer spray coated Co_3O_4 films through copper doping. <i>Solid State Ionics</i> , 2019, 334, 5-13.	1.3	6
25	Electrochromic performance of chromium-doped Co_3O_4 nanocrystalline thin films prepared by nebulizer spray technique. <i>Journal of Alloys and Compounds</i> , 2019, 784, 49-59.	2.8	21
26	On the preparation of Tri-vanadium hepta-oxide thin films for electrochromic applications. <i>Vacuum</i> , 2019, 160, 238-245.	1.6	14
27	Influence of pyrolytic temperature on optoelectronic properties and the energy harvesting applications of high pressure TiO_2 thin films. <i>Vacuum</i> , 2019, 161, 81-91.	1.6	9
28	Tuning the morphology of $\text{Cr}_2\text{O}_3\text{:CuO}$ (50:50) thin films by RF magnetron sputtering for room temperature sensing application. <i>Applied Surface Science</i> , 2019, 466, 703-714.	3.1	31
29	Efficient electrochromic performance of anatase TiO_2 thin films prepared by nebulized spray deposition method. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1825-1838.	1.2	23
30	$\hat{\Gamma}^3\text{-MnS}$ films with 3D microarchitectures: comprehensive study of the synthesis, microstructural, optical and magnetic properties. <i>CrystEngComm</i> , 2018, 20, 578-589.	1.3	12
31	Analysis of optical dispersion parameters and electrochromic properties of manganese-doped Co_3O_4 dendrite structured thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 122, 118-129.	1.9	34
32	Structural, optical and electrochromic properties of $\text{Nb}_2\text{O}_5\text{:MoO}_3$ (95:5, 90:10, and 85:15) thin films prepared by RF magnetron sputtering technique. <i>Materials Letters</i> , 2018, 229, 189-192.	1.3	13
33	Substrate temperature and molar ratio induced changes on the properties of nebulized spray deposited MnS films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6741-6753.	1.1	7
34	Self assembled sulfur induced interconnected nanostructure TiO_2 electrode for visible light photoresponse and photocatalytic application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 91, 148-160.	1.3	19
35	Low temperature phase selective deposition of MnS films. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
36	Microstructure, optical and magnetic properties of micro-crystalline $\hat{\Gamma}^3\text{-MnS}$ film prepared by chemical bath deposition method. <i>Materials Science in Semiconductor Processing</i> , 2017, 72, 67-71.	1.9	14

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37	High coloration efficiency, high reversibility and fast switching response of nebulized spray deposited anatase TiO ₂ thin films for electrochromic applications. <i>Electrochimica Acta</i> , 2017, 255, 358-368.	2.6	39
38	Electrochromic performance of RF sputtered WO ₃ thin films by Li ion intercalation and de-intercalation. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5
39	Effect of solution molarity on optical dispersion energy parameters and electrochromic performance of Co ₃ O ₄ films. <i>Optical Materials</i> , 2017, 72, 717-729.	1.7	52
40	Novel report on single phase BiFeO ₃ nanorod layer synthesised rapidly by novel hot-wall spray pyrolysis system: evidence of high magnetization due to surface spins. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3217-3225.	1.1	6
41	Effect of sputtering power on properties and photovoltaic performance of CIGS thin film solar cells. <i>Materials Research Innovations</i> , 2017, 21, 286-293.	1.0	21
42	Tuning electro-optical properties of pulsed dc magnetron sputtered indium tin oxide thin films: effects of pulsing frequency and annealing. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1409-1418.	1.1	7
43	CuInS ₂ Layer Deposition Through Nebulizer Spray Technique for Solar Cell Fabrication. <i>Springer Proceedings in Physics</i> , 2017, , 451-464.	0.1	3
44	Characterization of ZnO:SnO ₂ (50:50) thin film deposited by RF magnetron sputtering technique. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
45	Studies on the properties of Al ₂ O ₃ :Cr ₂ O ₃ (50:50) thin film. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	2
46	Mixed Nb ₂ O ₅ :MoO ₃ (95:5 and 85:15) thin films and their properties for electrochromic device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7809-7821.	1.1	4
47	Fast electrochromic response of porous-structured cobalt oxide (Co ₃ O ₄) thin films by novel nebulizer spray pyrolysis technique. <i>Ionics</i> , 2016, 22, 1911-1926.	1.2	27
48	Evolution of structural disorder in amorphous GeSeS thin films by thickness variation. <i>Journal of Non-Crystalline Solids</i> , 2016, 450, 135-140.	1.5	9
49	Improved electrochromic performance of a radio frequency magnetron sputtered NiO thin film with high optical switching speed. <i>RSC Advances</i> , 2016, 6, 79668-79680.	1.7	78
50	Effect of substrate temperature on nebulized spray pyrolysed In ₂ S ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4437-4446.	1.1	17
51	Studies on Electrochromic Properties of RF Sputtered Vanadium Oxide: Tungsten Oxide Thin Films. <i>Materials Today: Proceedings</i> , 2016, 3, S30-S39.	0.9	27
52	Tunable morphology with selective faceted growth of visible light active TiO ₂ thin films by facile hydrothermal method: structural, optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5020-5032.	1.1	19
53	Influence of substrate temperature on structural and optical properties of ZnO thin films prepared by cost-effective chemical spray pyrolysis technique. <i>Superlattices and Microstructures</i> , 2016, 90, 313-320.	1.4	32
54	Studies on the structural, optical, and electrical properties of jet-nebulized spray pyrolysis ITO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2531-2537.	1.1	16

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55	Effect of nitrogen doped titanium dioxide (N-TiO ₂) thin films by jet nebulizer spray technique suitable for photoconductive study. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3573-3582.	1.1	34
56	Analysis of P(VdCl-co-AN-co-MMA)-LiClO ₄ -EC triblock copolymer electrolytes. <i>Bulletin of Materials Science</i> , 2015, 38, 183-190.	0.8	8
57	Effect of substrate temperature on the properties of Nb ₂ O ₅ :MoO ₃ (90:10) thin films prepared by rf magnetron sputtering technique. <i>Journal of Alloys and Compounds</i> , 2015, 649, 112-121.	2.8	18
58	Tuning the morphology of metastable MnS films by simple chemical bath deposition technique. <i>Applied Surface Science</i> , 2015, 353, 449-458.	3.1	46
59	Visible light driven photocatalytic degradation of Rhodamine B and Direct Red using cobalt oxide nanoparticles. <i>Ceramics International</i> , 2015, 41, 9301-9313.	2.3	117
60	Influence of pH and fuels on the combustion synthesis, structural, morphological, electrical and magnetic properties of CoFe ₂ O ₄ nanoparticles. <i>Materials Research Bulletin</i> , 2015, 71, 122-132.	2.7	20
61	MnS thin films prepared by a simple and novel nebulizer technique: report on the structural, optical, and dispersion energy parameters. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3670-3684.	1.1	16
62	Assessment of CuO thin films for its suitability as window absorbing layer in solar cell fabrications. <i>Materials Research Bulletin</i> , 2015, 68, 1-8.	2.7	82
63	Effect of carbon coating on the electrochemical properties of Bi ₂ WO ₆ nanoparticles by PVP-assisted sonochemical method. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 473-485.	1.5	11
64	Influence of post-deposition heat treatment on optical properties derived from UV-vis of cadmium telluride (CdTe) thin films deposited on amorphous substrate. <i>Applied Surface Science</i> , 2015, 344, 89-100.	3.1	76
65	Physical properties of rf magnetron sputter deposited NiO:WO ₃ thin films. <i>Materials Research Express</i> , 2015, 2, 016401.	0.8	7
66	Effect of substrate temperature on structural and optical properties of nickel tungsten oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1033-1044.	1.1	8
67	Facile synthesis of nanostructured monoclinic bismuth vanadate by a co-precipitation method: Structural, optical and photocatalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 343-351.	1.9	58
68	Preparation and characterization of PVA complexed with amino acid, proline. <i>Ionics</i> , 2015, 21, 387-399.	1.2	29
69	Optoelectronic properties of R-F magnetron sputtered Cadmium Tin Oxide (Cd ₂ SnO ₄) thin films for CdS/CdTe thin film solar cell applications. <i>Journal of Alloys and Compounds</i> , 2015, 620, 185-191.	2.8	29
70	Electrochromic properties of radio frequency magnetron sputter deposited mixed Nb ₂ O ₅ :MoO ₃ (95:5) thin films cycled in H ⁺ and Li ⁺ ions. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 31-40.	1.9	28
71	Influence of metals on the structural, vibrational, and electrical properties of lithium nickel phosphate. <i>Ionics</i> , 2015, 21, 345-357.	1.2	11
72	Microwave-Assisted Combustion Synthesis of Nanocrystalline ZnO Powders Using Zinc Nitrate and Various Amount of Organic Fuels as Reactants: Influence of Reactant Parameters - A Status Review. <i>Nano Hybrids</i> , 2014, 6, 75-110.	0.3	3

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73	Preparation of Cu-doped nickel oxide thin films and their properties. AIP Conference Proceedings, 2014, , .	0.3	2
74	Studies on nickel-tungsten oxide thin films. AIP Conference Proceedings, 2014, , .	0.3	3
75	A simple approach to deposit MnS thin films. , 2014, , .		0
76	Characterization on RF magnetron sputtered niobium pentoxide thin films. , 2014, , .		0
77	Physical properties of electron beam evaporated CdTe and CdTe:Cu thin films. Journal of Applied Physics, 2014, 116, .	1.1	49
78	Pulsing frequency induced change in optical constants and dispersion energy parameters of WO ₃ films grown by pulsed direct current magnetron sputtering. Journal of Applied Physics, 2014, 115, .	1.1	16
79	Enhanced Colouration Efficiency of Pulsed DC Magnetron Sputtered WO ₃ Films Cycled in H ₂ SO ₄ Electrolyte Solution. Smart Materials Research, 2014, 2014, 1-9.	0.5	4
80	AC impedance studies on proton-conducting PAN $\hat{\text{a}}\text{\%}:\hat{\text{a}}\text{\%}\text{NH}_4\text{SCN}$ polymer electrolytes. Ionics, 2014, 20, 1391-1398.	1.2	29
81	A study on polymer blend electrolyte based on PVA/PVP with proton salt. Polymer Bulletin, 2014, 71, 1061-1080.	1.7	97
82	Synthesis and characterization of In ₂ O ₃ nanoparticles. Journal of the Korean Physical Society, 2014, 64, 254-262.	0.3	12
83	Morphology control of ZnO nanostructures by catalyst-free and seed-mediated simple aqueous solution growth method. Materials Letters, 2014, 121, 141-144.	1.3	7
84	Optical, photo-acoustic and electrical switching studies of amorphous GeS ₂ thin films. Applied Physics A: Materials Science and Processing, 2014, 115, 1151-1158.	1.1	8
85	Properties of V $\hat{\text{a}}\text{\%}$ Ce mixed-oxide thin films deposited by RF magnetron sputtering. Materials Science in Semiconductor Processing, 2014, 19, 40-49.	1.9	2
86	Surfactant assisted sonochemical synthesis of Bi ₂ WO ₆ nanoparticles and their improved electrochemical properties for use in pseudocapacitors. RSC Advances, 2014, 4, 4343-4352.	1.7	22
87	Preparation of rod shaped nickel oxide thin films by a novel and cost effective nebulizer technique. Materials Science in Semiconductor Processing, 2014, 27, 1042-1049.	1.9	24
88	Enhancement in threshold voltage with thickness in memory switch fabricated using GeSe 1.5 S 0.5 thin films. Journal of Alloys and Compounds, 2014, 615, 629-635.	2.8	15
89	Evolution of structural disorder using Raman spectra and Urbach energy in GeSe 0.5 S 1.5 thin films. Journal of Non-Crystalline Solids, 2014, 405, 21-26.	1.5	18
90	Structural and optical studies on nickel oxide thin film prepared by nebulizer spray technique. Physica B: Condensed Matter, 2014, 452, 1-6.	1.3	49

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91	Size dependent electrical and magnetic properties of ZnFe ₂ O ₄ nanoparticles synthesized by the combustion method: Comparison between aspartic acid and glycine as fuels. Journal of Magnetism and Magnetic Materials, 2014, 354, 363-371.	1.0	53
92	Physicochemical properties of V ⁵⁺ doped LiCoPO ₄ as cathode materials for Li-ion batteries. Journal of Sol-Gel Science and Technology, 2013, 65, 399-410.	1.1	27
93	Synthesis and physico-chemical property evaluation of PANI@NiFe ₂ O ₄ nanocomposite as electrodes for supercapacitors. Journal of Alloys and Compounds, 2013, 553, 350-357.	2.8	106
94	Synthesis and impedance analysis of proton-conducting polymer electrolyte PVA:NH ₄ F. Ionics, 2013, 19, 1437-1447.	1.2	69
95	Structural, vibrational, thermal, and electrical properties of PVA/PVP biodegradable polymer blend electrolyte with CH ₃ COONH ₄ . Ionics, 2013, 19, 1105-1113.	1.2	79
96	Lithium ion conducting solid polymer blend electrolyte based on bio-degradable polymers. Bulletin of Materials Science, 2013, 36, 333-339.	0.8	60
97	Structural, electrical and electrochemical studies of LiCoVO ₄ cathode material for lithium rechargeable batteries. Powder Technology, 2013, 235, 454-459.	2.1	15
98	High Performance Solid-State Electric Double Layer Capacitor from Redox Mediated Gel Polymer Electrolyte and Renewable Tamarind Fruit Shell Derived Porous Carbon. ACS Applied Materials & Interfaces, 2013, 5, 10541-10550.	4.0	162
99	Optical constants and dispersion energy parameters of NiO thin films prepared by radio frequency magnetron sputtering technique. Journal of Applied Physics, 2013, 114, .	1.1	172
100	Synthesis of Bi ₂ WO ₆ nanoparticles and its electrochemical properties in different electrolytes for pseudocapacitor electrodes. Electrochimica Acta, 2013, 109, 720-731.	2.6	156
101	Effect of RF power on electrochromic V ⁵⁺ /Ce mixed oxide thin films. Electrochimica Acta, 2013, 104, 162-169.	2.6	8
102	Synthesis and structure refinement studies of LiNiVO ₄ electrode material for lithium rechargeable batteries. Ionics, 2013, 19, 17-23.	1.2	24
103	Study of NiFe ₂ O ₄ nanoparticles using Mössbauer spectroscopy with a high velocity resolution. Hyperfine Interactions, 2013, 219, 7-12.	0.2	17
104	Optical, electrical and sensing properties of In ₂ O ₃ nanoparticles. Materials Science in Semiconductor Processing, 2013, 16, 686-695.	1.9	72
105	Microwave-assisted solution combustion synthesis of nanostructured Zn ₂ SnO ₄ . , 2013, , .		1
106	Structural and electrochemical studies of LiNi _{0.2} Co _{0.8} VO ₄ cathode material for lithium batteries. , 2013, , .		0
107	Preparation and characterization of RF sputtered Ce-V mixed oxide thin films. , 2012, , .		1
108	Lithium Ion Conducting Polymer Electrolyte Based on Poly (Vinyl Alcohol) @ Poly (Vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Polymeric Biomaterials, 2012, 61, 1164-1175.	1.8	27

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109	Optical studies on electron beam evaporated Lithium Triborate films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 805-808.	2.0	1
110	Effect of reaction time on the synthesis and electrochemical properties of Mn ₃ O ₄ nanoparticles by microwave assisted reflux method. Applied Surface Science, 2012, 259, 624-630.	3.1	45
111	Low temperature photoluminescence studies on semiorganic tris thiourea copper (I) chloride single crystal. Crystal Research and Technology, 2012, 47, 145-150.	0.6	10
112	Combustion synthesis and characterization of spherical \pm -MnMoO ₄ nanoparticles. Powder Technology, 2012, 215-216, 98-103.	2.1	34
113	Rapid synthesis of nanocrystalline ZnO by a microwave-assisted combustion method. Powder Technology, 2012, 226, 29-33.	2.1	67
114	Microwave assisted combustion synthesis of CdFe ₂ O ₄ : Magnetic and electrical properties. Journal of Magnetism and Magnetic Materials, 2012, 324, 2100-2107.	1.0	79
115	Structural and electrical studies of LiMnVO ₄ cathode material for rechargeable lithium batteries. Ionics, 2012, 18, 31-37.	1.2	12
116	Review on Magnesium Indium Oxide Thin Films: Material Properties and Preparation Techniques. Materials Science Forum, 2011, 699, 39-66.	0.3	0
117	Review of material properties of (Mo/W)Se ₂ -layered compound semiconductors useful for photoelectrochemical solar cells. Crystallography Reviews, 2011, 17, 281-301.	0.4	29
118	Preparation of activated carbon from sorghum pith and its structural and electrochemical properties. Materials Research Bulletin, 2011, 46, 413-419.	2.7	82
119	Structural, optical and electrical properties of ZnTe _{1-x} Se _x thin films. Journal of Materials Science: Materials in Electronics, 2011, 22, 607-613.	1.1	1
120	Characterization of Tin disulphide thin films prepared at different substrate temperature using spray pyrolysis technique. Journal of Materials Science: Materials in Electronics, 2011, 22, 929-935.	1.1	21
121	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO ₄ cathode materials. Ionics, 2011, 17, 201-207.	1.2	60
122	Synthesis and Characterization of LiMVO ₄ Cathode Material Produced by Sol-gel Method. , 2011, ,		0
123	Ultrasonic, Metallographic and Photo Acoustic Studies on Zircaloy-2. Materials Science Forum, 2011, 699, 123-130.	0.3	1
124	Automation of Photoacoustic Spectrometer for NDE Applications. Materials Science Forum, 2011, 699, 185-204.	0.3	0
125	Thermal and optical properties of Cd ₂ SnO ₄ thin films using photoacoustic spectroscopy. Applied Physics A: Materials Science and Processing, 2010, 98, 919-925.	1.1	25
126	XRD and XPS characterization of mixed valence Mn ₃ O ₄ hausmannite thin films prepared by chemical spray pyrolysis technique. Applied Surface Science, 2010, 256, 2920-2926.	3.1	299

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127	Automation of photoacoustic spectrometer using VEE Pro software. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1336-1344.	2.5	8
128	Influence of thickness on the microstructural, optoelectronic and morphological properties of nanocrystalline ZnSe thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 171, 93-98.	1.7	26
129	Structural, optical, electrical and morphological properties of ZnTe films deposited by electron beam evaporation. Journal of Materials Science: Materials in Electronics, 2010, 21, 1229-1234.	1.1	10
130	Structural and electrical studies of nano structured $\text{Sn}_{1-x}\text{Sb}_x\text{O}_2$ ($x=0.0, 1, 2.5, 4.5$ and 7 at%) prepared by co-precipitation method. Journal of Materials Science: Materials in Electronics, 2010, 21, 343-348.	1.1	66
131	Role of substrate temperature on the structural, optoelectronic and morphological properties of (400) oriented indium tin oxide thin films deposited using RF sputtering technique. Journal of Materials Science: Materials in Electronics, 2010, 21, 1299-1307.	1.1	7
132	Low temperature TiO_2 rutile phase thin film synthesis by chemical spray pyrolysis (CSP) of titanyl acetylacetonate. Materials Science in Semiconductor Processing, 2010, 13, 389-394.	1.9	29
133	Influence of substrate temperature on the properties of electron beam evaporated ZnSe films. Crystal Research and Technology, 2010, 45, 421-426.	0.6	14
134	Structural, optical, and electrical properties of electron beam evaporated CdSe thin films. Crystal Research and Technology, 2010, 45, 387-392.	0.6	14
135	Physical properties of ZnO thin films deposited at various substrate temperatures using spray pyrolysis. Physica B: Condensed Matter, 2010, 405, 2226-2231.	1.3	155
136	Growth of ZnSe thin layers on different substrates and their structural consequences with bath temperature. Physica B: Condensed Matter, 2010, 405, 2485-2491.	1.3	32
137	Spray deposition and property analysis of anatase phase titania (TiO_2) nanostructures. Thin Solid Films, 2010, 519, 129-135.	0.8	41
138	Conductivity and dielectric studies on LiCeO_2 . Journal of Rare Earths, 2010, 28, 435-438.	2.5	18
139	Synthesis and Characterization of SnO_2 Nanopowder Prepared by Precipitation Method. Journal of Dispersion Science and Technology, 2010, 31, 1178-1181.	1.3	26
140	Effects of annealing temperature on structural, optical, and electrical properties of antimony-doped tin oxide thin films. Philosophical Magazine Letters, 2010, 90, 337-347.	0.5	26
141	Defect engineering and opto electronic property modifications by 1.5 MeV Li-implantation on nano crystalline MgIn_2O_4 thin films. Radiation Effects and Defects in Solids, 2010, 165, 265-276.	0.4	0
142	Molybdenum oxide (MoO_3) thin film based electrochromic cell characterisation in 0.1M LiClO_4 . PC electrolyte. Surface Engineering, 2009, 25, 548-554.	1.1	13
143	Optimized deposition and characterization of nanocrystalline magnesium indium oxide thin films for opto-electronic applications. Materials Research Bulletin, 2009, 44, 1051-1057.	2.7	9
144	Structural, optoelectronic and electrochemical properties of nickel oxide films. Journal of Materials Science: Materials in Electronics, 2009, 20, 953-957.	1.1	24

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145	Single step synthesis of poly(3-octylthiophene)/multi-walled carbon nanotube composites and their characterizations. <i>Polymers for Advanced Technologies</i> , 2009, 20, 736-741.	1.6	7
146	Effect of embedded lithium nanoclusters on structural, optical and electrical characteristics of MgO thin films. <i>Radiation Physics and Chemistry</i> , 2009, 78, 914-921.	1.4	9
147	Amorphous to crystalline transition and optoelectronic properties of nanocrystalline indium tin oxide (ITO) films sputtered with high rf power at room temperature. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1508-1516.	1.5	31
148	Characterization of electrosynthesized iron diselenide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 1086-1091.	1.1	22
149	Growth aspects of barium oxalate monohydrate single crystals in gel medium. <i>Crystal Research and Technology</i> , 2008, 43, 1307-1313.	0.6	10
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