

Keshav Rajpure

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.

183
papers

6,849
citations

50
h-index

69
g-index

183
ext. papers

7,501
ext. citations

4.4
avg, IF

6.15
L-index

#	Paper	IF	Citations
183	The influence of nickel substitution on the structural and gas sensing properties of sprayed ZnFe ₂ O ₄ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 6273	2.1	0
182	Recent Advancements in Doped Titanium Dioxide (TiO ₂) Nanostructures for Photocatalytic Dye Degradation. <i>Nanobiotechnology Reports</i> , 2022 , 17, 39-58		0
181	Chemiresistive Gas Sensing Properties of Copper Substituted Zinc Ferrite Thin Films Deposited by Spray Pyrolysis. <i>Journal of Electronic Materials</i> , 2021 , 50, 2460-2465	1.9	5
180	Enhanced Photoelectrocatalytic Degradation Activity of Titanium Dioxide Photoelectrode: Effect of Film Thickness. <i>Colloid Journal</i> , 2021 , 83, 107-115	1.1	4
179	Hydrothermally-Grown TiO ₂ Thin Film-Based Metal Semiconductor/Metal UV Photodetector. <i>Journal of Electronic Materials</i> , 2020 , 49, 499-509	1.9	8
178	Photoelectrocatalytic activity of spray deposited Fe ₂ O ₃ /ZnO photoelectrode for degradation of salicylic acid and methyl orange dye under solar radiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 248, 114386	3.1	19
177	Electrochemical and surface deformation studies on electrodeposited nanostructured Bi ₂ Te ₃ thin films. <i>Optics and Laser Technology</i> , 2019 , 113, 384-393	4.2	4
176	Spray deposited Fe ₂ O ₃ and stratified Fe ₂ O ₃ /ZnO novel photoelectrode for photoelectrocatalytic degradation of benzoic acid under solar light illumination. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 357, 72-80	4.7	17
175	Nanocrystalline Bi ₂ Te ₃ thin films synthesized by electrodeposition method for photoelectrochemical application. <i>Materials Science in Semiconductor Processing</i> , 2018 , 79, 119-126	4.3	11
174	Nanocrystalline immobilised ZnO photocatalyst for degradation of benzoic acid and methyl blue dye. <i>Materials Research Bulletin</i> , 2018 , 101, 324-333	5.1	30
173	Mimicking the Synaptic Weights and Human Forgetting Curve Using Hydrothermally Grown Nanostructured CuO Memristor Device. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 984-991	1.3	20
172	Photoelectrocatalytic activity of immobilized Fe ₂ O ₃ photoelectrode for degradation of salicylic acid and methyl orange dye under visible light illumination. <i>Ionics</i> , 2018 , 24, 1841-1853	2.7	8
171	Bipolar resistive switching with coexistence of mem-elements in the spray deposited CoFe ₂ O ₄ thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3231-3238	2.1	16
170	Spray deposited Fe ₂ O ₃ photoelectrode for degradation of benzoic acid and methyl blue dye under solar radiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20875-20884	2.1	7
169	ZnO nanorod based highly selective visible blind ultra-violet photodetector and highly sensitive NO ₂ gas sensor. <i>Superlattices and Microstructures</i> , 2018 , 120, 170-186	2.8	25
168	Photoelectrocatalytic activity of immobilized Yb doped WO ₃ photocatalyst for degradation of methyl orange dye. <i>Journal of Energy Chemistry</i> , 2017 , 26, 440-447	12	30
167	Assessment of structural, morphological, magnetic and gas sensing properties of CoFe(2)O(4) thin films. <i>Journal of Colloid and Interface Science</i> , 2017 , 497, 181-192	9.3	32

166	Photoelectrochemical performance and photoelectrocatalytic degradation of organic compounds using Ga:WO ₃ thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 344, 56-63	4.7	13
165	Enhanced magnetoelectric effect in Metglas/K _{0.5} Na _{0.5} NbO ₃ /metglas lead-free ME laminates. <i>Functional Materials Letters</i> , 2017 , 10, 1650076	1.2	2
164	Chemical synthesis of pinecone like ZnO films for UV photodetector applications. <i>Thin Solid Films</i> , 2017 , 642, 232-240	2.2	26
163	Effect of write voltage and frequency on the reliability aspects of memristor-based RRAM. <i>International Nano Letters</i> , 2017 , 7, 209-216	5.7	23
162	Bio-mimicking the synaptic weights, analog memory, and forgetting effect using spray deposited WO ₃ memristor device. <i>Microelectronic Engineering</i> , 2017 , 183-184, 12-18	2.5	22
161	Photoelectrochemical and photocatalytic activities of bilayered TiO ₂ /Ga:WO ₃ photoelectrode by spray pyrolysis technique. <i>Materials Research Bulletin</i> , 2017 , 95, 491-496	5.1	3
160	Development of CoFe ₂ O ₄ thin films for nitrogen dioxide sensing at moderate operating temperature. <i>Journal of Alloys and Compounds</i> , 2016 , 657, 414-421	5.7	22
159	Photoelectrocatalytic degradation of benzoic acid using immobilized tungsten trioxide photocatalyst. <i>Materials Chemistry and Physics</i> , 2016 , 183, 439-446	4.4	13
158	Synthesis and characterization of zinc stannate thin films prepared by spray pyrolysis technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 12323-12328	2.1	2
157	Compositional variation of structural, electrical and magnetic properties of Dy substituted NiCo spinel ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10484-10496	2.1	13
156	Fabrication of Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ BaTiO ₃ bilayered thin films obtained by spray pyrolysis method for magnetoelectric (ME) effect measurement. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 3799-3811	2.1	8
155	Multifunctional zinc oxide thin films for high-performance UV photodetectors and nitrogen dioxide gas sensors. <i>RSC Advances</i> , 2016 , 6, 25641-25650	3.7	54
154	Chemical bath deposited ZnO thin film based UV photoconductive detector. <i>Journal of Alloys and Compounds</i> , 2016 , 664, 242-249	5.7	91
153	Photoelectrocatalytic degradation of methyl blue using sprayed WO ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1629-1635	2.1	40
152	Solar photoelectrocatalytic activities of rhodamine-B using sprayed WO ₃ photoelectrode. <i>Journal of Alloys and Compounds</i> , 2016 , 655, 106-113	5.7	56
151	Visible light catalysis of methyl orange using nanostructured WO ₃ thin films. <i>Ceramics International</i> , 2016 , 42, 789-798	5.1	50
150	Synthesis of fast response, highly sensitive and selective Ni:ZnO based NO ₂ sensor. <i>Chemical Engineering Journal</i> , 2016 , 286, 36-47	14.7	85
149	Investigating the Temperature Effects on ZnO, TiO ₂ , WO ₃ and HfO ₂ Based Resistive Random Access Memory (RRAM) Devices. <i>Journal of Nano- and Electronic Physics</i> , 2016 , 8, 04030-1-04030-4	1.5	9

148	Effect of Ni content on the structural, morphological and magnetic properties of spray deposited Ni ₂ Zn ferrite thin films. <i>Materials Research Bulletin</i> , 2015 , 67, 47-54	5.1	29
147	Effect of Substrate Temperature on the Properties of Sprayed WO ₃ Thin Films Using Peroxotungstic Acid and Ammonium Tungstate: A Comparative Study. <i>Journal of Electronic Materials</i> , 2015 , 44, 874-885	1.9	8
146	Oxidative degradation of salicylic acid by sprayed WO ₃ photocatalyst. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 200, 78-83	3.1	24
145	Distribution of cations in Co _{1-x} MnxFe ₂ O ₄ using XRD, magnetization and Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 550-556	5.7	50
144	Effect of intermittent time on structural, optoelectronic, luminescence properties of sprayed antimony doped tin oxide thin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 112, 214-220	6	18
143	Nitrogen dioxide sensing properties of sprayed tungsten oxide thin film sensor: Effect of film thickness. <i>Journal of Colloid and Interface Science</i> , 2015 , 451, 245-54	9.3	42
142	Photoelectrocatalytic degradation of methyl red using sprayed WO ₃ thin films under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8404-8412	2.1	46
141	Physicochemical properties of sprayed V ₂ O ₅ thin films: Effect of substrate temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 115, 57-65	6	40
140	Studies on structural and electrical properties of Li _{0.5} Co _x Fe _{2.5-0.5x} O ₄ (0 ≤ x ≤ 0.6) spinel ferrite. <i>Physica B: Condensed Matter</i> , 2015 , 474, 47-52	2.8	18
139	Fabrication of ZnFe ₂ O ₄ films and its application in photoelectrocatalytic degradation of salicylic acid. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 142, 118-23	6.7	29
138	Photoelectrocatalytic degradation of benzoic acid using Au doped TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 142, 204-11	6.7	48
137	Enhanced photocatalytic activity of sprayed Au doped ferric oxide thin films for salicylic acid degradation in aqueous medium. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 142, 43-50	6.7	15
136	Exploring structural and magnetic properties of nanocrystalline iron oxide synthesized by autocombustion method. <i>Superlattices and Microstructures</i> , 2015 , 77, 181-195	2.8	20
135	Effect of solution concentration on physicochemical and gas sensing properties of sprayed WO ₃ thin films. <i>Current Applied Physics</i> , 2015 , 15, 84-93	2.6	27
134	Photoelectrocatalytic degradation of benzoic acid using sprayed TiO ₂ thin films. <i>Ceramics International</i> , 2015 , 41, 2202-2208	5.1	16
133	Structural and electrical properties of barium titanate (BaTiO ₃) thin films obtained by spray pyrolysis method. <i>Materials Science-Poland</i> , 2015 , 33, 852-861	0.6	13
132	Effect of the buffer layer on the metal-semiconductor-metal UV photodetector based on Al-doped and undoped ZnO thin films with different device structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 1704-1712	1.6	16
131	Semiconducting properties of aluminum-doped ZnO thin films grown by spray pyrolysis technique. <i>Journal of Semiconductors</i> , 2015 , 36, 033002	2.3	19

130	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method. <i>Electronic Materials Letters</i> , 2015 , 11, 944-948	2.9	28
129	Studies on NO ₂ gas sensing properties of sprayed Co _{1-x} Mn _x Fe ₂ O ₄ (0 ≤ x ≤ 0.5) spinel ferrite thin films. <i>Ceramics International</i> , 2015 , 41, 7394-7401	5.1	16
128	The effect of Co substitution on the structural and magnetic properties of lithium ferrite synthesized by an autocombustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 382, 152-157	2.8	19
127	Structural, Optical, Electrical, and Dielectric Properties of the Spray-Deposited WO ₃ Thin Films. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 1204-1213	1.6	30
126	Structural, dielectric and magnetic properties of Ni substituted zinc ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 363, 114-120	2.8	47
125	Development of Zn ₂ SnO ₄ thin films deposited by spray pyrolysis method and their utility for NO ₂ gas sensors at moderate operating temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 107, 233-241	6	51
124	Photodegradation of organic pollutants using N-titanium oxide catalyst. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 186-91	6.7	22
123	Remediation of wastewater: role of hydroxyl radicals. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 210-6	6.7	6
122	ZnO based visible-blind UV photodetector by spray pyrolysis. <i>Superlattices and Microstructures</i> , 2014 , 76, 253-263	2.8	51
121	IR absorption spectroscopic study of mixed cobalt substituted lithium ferrites. <i>Physica B: Condensed Matter</i> , 2014 , 451, 39-42	2.8	10
120	Synthesis and Characterization of Spray Deposited Nickel-Zinc Ferrite Thin Films. <i>Energy Procedia</i> , 2014 , 54, 599-605	2.3	12
119	Effect of Co doping on structural, morphological and LPG sensing properties of nanocrystalline ZnO thin films. <i>Sensors and Actuators A: Physical</i> , 2014 , 216, 328-334	3.9	21
118	Physicochemical Properties of Spray-Deposited CoFe ₂ O ₄ Thin Films. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 2787-2794	1.6	15
117	High-performance metal-semiconductor-metal UV photodetector based on spray deposited ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2014 , 595, 55-59	5.7	122
116	Studies on the synthesis and characterization of co-precipitated nanocrystalline Zn _{1-x} Bi _x O. <i>Journal of Molecular Structure</i> , 2014 , 1064, 130-134	3.4	2
115	Photoelectrocatalytic activity of ferric oxide nanocatalyst: A synergistic effect of thickness. <i>Ceramics International</i> , 2014 , 40, 9463-9471	5.1	14
114	Synthesis and characterization of Sb doped ZnO thin films for photodetector application. <i>Optical Materials</i> , 2014 , 36, 833-838	3.3	61
113	UV assisted photoelectrocatalytic oxidation of phthalic acid using spray deposited Al doped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2014 , 611, 446-451	5.7	39

112	Oxidative degradation of industrial wastewater using spray deposited TiO ₂ /Au:Fe ₂ O ₃ bilayered thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 315-24	6.7	18
111	Nanostructured TiO ₂ thin film memristor using hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 267-270	5.7	51
110	Visible light catalysis of rhodamine B using nanostructured Fe ₂ O ₃ , TiO ₂ and TiO ₂ /Fe ₂ O ₃ thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 133, 90-8	6.7	76
109	Photocatalytic oxidation of Rhodamine B with ferric oxide thin films under solar illumination. <i>Materials Research Bulletin</i> , 2013 , 48, 4058-4065	5.1	39
108	Structural, morphological, dielectrical and magnetic properties of Mn substituted cobalt ferrite. <i>Journal of Semiconductors</i> , 2013 , 34, 093002	2.3	13
107	Kinetic Analysis of Heterogeneous Photocatalysis: Role of Hydroxyl Radicals. <i>Catalysis Reviews - Science and Engineering</i> , 2013 , 55, 79-133	12.6	78
106	Structural, morphological, electrical and magnetic properties of Dy doped Ni _{1-x} substitutional spinel ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 329, 59-64	2.8	124
105	Influence of tin doping onto structural, morphological, optoelectronic and impedance properties of sprayed ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 688-693	5.7	69
104	Physical properties of spray deposited Ni-doped zinc oxide thin films. <i>Ceramics International</i> , 2013 , 39, 3901-3907	5.1	38
103	Structural, morphological, dielectrical, magnetic and impedance properties of Co _{1-x} Mn _x Fe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2013 , 555, 330-334	5.7	64
102	Photoelectrochemical properties of highly mobilized Li-doped ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013 , 120, 1-9	6.7	41
101	Photoelectrocatalytic hydrolysis of starch by using sprayed ZnO thin films. <i>Journal of Semiconductors</i> , 2013 , 34, 053001	2.3	10
100	Photoelectrocatalytic oxidation of Rhodamine B with sprayed Fe ₂ O ₃ photocatalyst. <i>Materials Express</i> , 2013 , 3, 247-255	1.3	26
99	Solar light assisted photocatalysis of water using a zinc oxide semiconductor. <i>Journal of Semiconductors</i> , 2013 , 34, 043002	2.3	5
98	Photo-corrosion inhibition and photoactivity enhancement with tailored zinc oxide thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 110, 15-21	6.7	56
97	N-doped ZnO based fast response ultraviolet photoconductive detector. <i>Solid-State Electronics</i> , 2012 , 68, 22-26	1.7	24
96	Studies of compositional dependent CZTS thin film solar cells by pulsed laser deposition technique: An attempt to improve the efficiency. <i>Journal of Alloys and Compounds</i> , 2012 , 544, 145-151	5.7	113
95	Photoelectrocatalytic decolorization and degradation of textile effluent using ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 114, 102-7	6.7	48

94	Hydroxyl radical's role in the remediation of wastewater. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 116, 66-74	6.7	31
93	Oxidative degradation of acid orange 7 using Ag-doped zinc oxide thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 117, 262-8	6.7	30
92	Structural, optoelectronic, luminescence and thermal properties of Ga-doped zinc oxide thin films. <i>Applied Surface Science</i> , 2012 , 258, 9969-9976	6.7	91
91	Structural, optical, electrical and thermal properties of zinc oxide thin films by chemical spray pyrolysis. <i>Journal of Molecular Structure</i> , 2012 , 1021, 123-129	3.4	18
90	Fabrication and performance of N-doped ZnO UV photoconductive detector. <i>Journal of Alloys and Compounds</i> , 2012 , 522, 118-122	5.7	74
89	Photoelectrocatalytic degradation of oxalic acid by spray deposited nanocrystalline zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2012 , 538, 237-243	5.7	26
88	Photocatalytic degradation of toluene using sprayed N-doped ZnO thin films in aqueous suspension. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 113, 70-7	6.7	84
87	Investigation of structural, optical and luminescent properties of sprayed N-doped zinc oxide thin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 97, 181-188	6	23
86	Size dependent electron-phonon coupling in N, Li, In, Ga, F and Ag doped ZnO thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 98, 453-6	4.4	15
85	Photoelectrocatalytic activity of spray deposited ZnO thin films against E. coli Davis. <i>Materials Research Innovations</i> , 2012 , 16, 417-424	1.9	1
84	Structural, Morphological, Optical and Photoluminescence Properties of Ag-Doped Zinc Oxide Thin Films. <i>Materials Express</i> , 2012 , 2, 64-70	1.3	14
83	Mössbauer, Raman, and Magnetoresistance Study of Aluminum-Based Iron Oxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3731-3736	3.8	49
82	Physical properties of hematite (Fe ₂ O ₃) thin films: application to photoelectrochemical solar cells. <i>Journal of Semiconductors</i> , 2011 , 32, 013001	2.3	127
81	Semiconductor-septum solar rechargeable storage cells. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1305-1309	5.7	5
80	Physical properties of chemical vapour deposited nanostructured carbon thin films. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1418-1423	5.7	12
79	Sensing properties of sprayed antimony doped tin oxide thin films: Solution molarity. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3108-3115	5.7	92
78	Structural, morphological and electrical properties of spray deposited CdIn ₂ Se ₄ thin films. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3116-3121	5.7	9
77	Studies on morphological and electrical properties of Al incorporated combusted iron oxide. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3943-3951	5.7	15

76	X-ray photoelectron spectroscopic study of catalyst based zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4603-4607	5-7	24
75	Synthesis and characterization of Cu ₂ ZnSnS ₄ thin films grown by PLD: Solar cells. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7439-7446	5-7	98
74	Structural, compositional and electrical properties of co-precipitated zinc stannate. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7508-7514	5-7	37
73	Physical properties of sprayed antimony doped tin oxide thin films: The role of thickness. <i>Journal of Semiconductors</i> , 2011 , 32, 053001	2-3	59
72	High-performance UV detector based on Ga-doped zinc oxide thin films. <i>Applied Surface Science</i> , 2011 , 257, 9595-9599	6-7	52
71	Photocatalytic oxidation of salicylic acid and 4-chlorophenol in aqueous solutions mediated by modified AlFe ₂ O ₃ catalyst under sunlight. <i>Journal of Molecular Catalysis A</i> , 2011 , 347, 65-72		37
70	Fast response ultraviolet Ga-doped ZnO based photoconductive detector. <i>Materials Research Bulletin</i> , 2011 , 46, 1734-1737	5-1	54
69	Photocatalytic activity of sea water using TiO ₂ catalyst under solar light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 103, 111-7	6-7	29
68	Zinc oxide mediated heterogeneous photocatalytic degradation of organic species under solar radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 425-33	6-7	100
67	Photoelectrochemical performance of sprayed n-CdIn ₂ Se ₄ photoanodes. <i>Solar Energy</i> , 2011 , 85, 325-333	6.8	18
66	The n-CdIn ₂ Se ₄ /p-CdTe heterojunction solar cells. <i>Solar Energy</i> , 2011 , 85, 1336-1342	6.8	16
65	Development of CZTS thin films solar cells by pulsed laser deposition: Influence of pulse repetition rate. <i>Solar Energy</i> , 2011 , 85, 1354-1363	6.8	138
64	Structural, morphological, luminescent and electronic properties of sprayed aluminium incorporated iron oxide thin films. <i>Surface and Coatings Technology</i> , 2011 , 205, 3567-3577	4-4	27
63	Physical properties of spray deposited CdTe thin films: PEC performance. <i>Journal of Semiconductors</i> , 2011 , 32, 033001	2-3	41
62	Structural and optoelectronic properties of sprayed Sb:SnO ₂ thin films: Effects of substrate temperature and nozzle-to-substrate distance. <i>Journal of Semiconductors</i> , 2011 , 32, 102001	2-3	13
61	Studies on the Dielectric and the Magnetic Properties of Co-Mn Ferrite and BZT Ferroelectric Particulate Magnetolectric Composites. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 3385-3390	0.6	8
60	Studies on magnetic, dielectric and magnetolectric behavior of (x) NiFe _{1.9} Mn _{0.1} O ₄ and (1-x) BaZr _{0.08} Ti _{0.92} O ₃ magnetolectric composites. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 310-315	5-7	22
59	Structural and magnetic properties of Co _{1-x} Mn _x Fe ₂ O ₄ (0 ≤ x ≤ 0.4) spinel ferrites synthesized by combustion route. <i>Journal of Alloys and Compounds</i> , 2010 , 490, 568-571	5-7	92

58	Structural, optical and electrical properties of chemically sprayed nanosized gallium doped CdO thin films. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 357-363	5-7	56
57	Influences in high quality zinc oxide films and their photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2010 , 503, 416-421	5-7	38
56	Structural and optoelectronic properties of antimony incorporated tin oxide thin films. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 416-422	5-7	93
55	Electrical and dielectric properties of co-precipitated nanocrystalline tin oxide. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 743-749	5-7	68
54	Studies on Structural and Dielectric Properties of CMFO Ferrite and BZT Ferroelectric Magnetolectric Composites. <i>Integrated Ferroelectrics</i> , 2010 , 121, 1-12	0.8	13
53	(Photo) electrochemical investigations on spray deposited n-CdIn ₂ Se ₄ thin film/polysulphide/c photoelectrochemical solar cell ¹ . <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2010 , 46, 194-201	1.3	
52	Temperature dependent structural, luminescent and XPS studies of CdO:Ga thin films deposited by spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 794-799	5-7	40
51	Electron-phonon interaction and size effect study in catalyst based zinc oxide thin films. <i>Journal of Molecular Structure</i> , 2010 , 984, 186-193	3-4	26
50	Temperature-Dependent Properties of Spray-Deposited ITO Thin Films. <i>Journal of Thermal Spray Technology</i> , 2010 , 19, 531-540	2-5	7
49	Studies on dielectric and magnetolectric behavior of 25% CMFO ferrite and 75% BZT ferroelectric multiferroic magnetolectric composites. <i>Materials Letters</i> , 2010 , 64, 520-523	3-3	19
48	Investigation of structural, morphological, luminescent and thermal properties of combusted aluminium-based iron oxide. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2886-2894	3-3	13
47	Influence of substrates on photoelectrochemical performance of sprayed n-CdIn ₂ S ₄ electrodes. <i>Solar Energy</i> , 2010 , 84, 1208-1215	6.8	34
46	Studies on the effect of nozzle-to-substrate distance on the structural, electrical and optical properties of spray deposited CdIn ₂ O ₄ thin films. <i>Applied Surface Science</i> , 2010 , 256, 3522-3530	6.7	14
45	Influence of deposition temperature on morphological, optical, electrical and opto-electrical properties of highly textured nano-crystalline spray deposited CdO:Ga thin films. <i>Applied Surface Science</i> , 2010 , 257, 93-101	6.7	50
44	Fabrication of Fe: CdSe solar rechargeable (semiconductor-liquid) storage cells. <i>Current Applied Physics</i> , 2009 , 9, 1122-1124	2.6	7
43	Effect of quantity of spraying solution on the properties of spray deposited fluorine doped tin oxide thin films. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1874-1877	2.8	31
42	Effect of calcining temperature on electrical and dielectric properties of cadmium stannate. <i>Applied Surface Science</i> , 2009 , 255, 6675-6678	6.7	41
41	Effect of fluorine doping on highly transparent conductive spray deposited nanocrystalline tin oxide thin films. <i>Applied Surface Science</i> , 2009 , 255, 9358-9364	6.7	115

40	Synthesis and characterization of CdIn ₂ O ₄ thin films by spray pyrolysis technique. <i>Journal of Alloys and Compounds</i> , 2009 , 473, L20-L24	5-7	17
39	Electrical, structural and optical properties of SnO ₂ :F thin films: Effect of the substrate temperature. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 350-355	5-7	106
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34	Effect of concentration of SnCl ₄ on sprayed fluorine doped tin oxide thin films. <i>Journal of Alloys and Compounds</i> , 2008 , 455, 440-446	5-7	58
33	Room temperature electrocrystallization of CdSe thin films from ethylene glycol bath. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 515-520	5-7	22
32	Effect of precursor concentration on the properties of ITO thin films. <i>Journal of Alloys and Compounds</i> , 2008 , 464, 387-392	5-7	56
31	Optoelectronic properties of sprayed transparent and conducting indium doped zinc oxide thin films. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 105109	3	81
30	Reply to Comments on Optoelectronic properties of sprayed transparent and conducting indium doped zinc oxide thin films. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 228002	3	3
29	Preparation and properties of spray-deposited ZnIn ₂ Se ₄ nanocrystalline thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1747-1752	3-9	16
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23	Electrosynthesis and characterization of iron selenide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 560-565	6-4	36

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20	Properties of highly oriented spray-deposited fluorine-doped tin oxide thin films on glass substrates of different thickness. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 1981-1988	3.9	38
19	Effect of solvent ratio on the properties of highly oriented sprayed fluorine-doped tin oxide thin films. <i>Materials Letters</i> , 2007 , 61, 3030-3036	3.3	60
18	Electrosynthesis and characterization of CdSe thin films: Optimization of preparative parameters by photoelectrochemical technique. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 2386-2391	3.9	38
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16	Structural and optical properties of spray-deposited CdIn ₂ Se ₄ thin films. <i>Materials Chemistry and Physics</i> , 2003 , 78, 363-366	4.4	30
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14	Effect of composition on the structural, optical and electrical properties of sprayed Sb ₂ S ₃ thin films prepared from non-aqueous medium. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 561-568	3.9	49
13	Effect of Se source on properties of spray deposited Sb ₂ Se ₃ thin films. <i>Materials Chemistry and Physics</i> , 2000 , 62, 169-174	4.4	28
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11	A study of substrate variation effects on the properties of n-Sb ₂ S ₃ thin film/polyiodide/C photoelectrochemical solar cells. <i>Materials Chemistry and Physics</i> , 2000 , 64, 14-19	4.4	24
10	Sb ₂ S ₃ semiconductor-septum rechargeable storage cell. <i>Materials Chemistry and Physics</i> , 2000 , 64, 70-74	4.4	67
9	Effect of Sb doping on properties of conductive spray deposited SnO ₂ thin films. <i>Materials Chemistry and Physics</i> , 2000 , 64, 184-188	4.4	83
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3	Effect of relative amount of complexing agents on the properties of Sb ₂ S ₃ precipitated powders. <i>Materials Chemistry and Physics</i> , 1998 , 56, 177-183	4.4	8
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