

Keshav Rajpure

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183
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183
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L-index

#	Paper	IF	Citations
183	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
182	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
181	Structural, morphological, electrical and magnetic properties of Dy doped Ni _{0.5} substitutional spinel ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 329, 59-64	2.8	124
180	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
179	Structural, optical and electrical properties of chemically sprayed CdO thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 122, 67-71	3.1	118
178	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
177	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
176	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
175	Dielectric properties and complex impedance spectroscopy studies of mixed Ni _{0.5} ferrites. <i>Smart Materials and Structures</i> , 2009 , 18, 085014	3.4	102
174	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
173	Spray deposition of highly transparent fluorine doped cadmium oxide thin films. <i>Applied Surface Science</i> , 2008 , 254, 2187-2195	6.7	99
172	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
171	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
170	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
169	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
168	Chemical bath deposited ZnO thin film based UV photoconductive detector. <i>Journal of Alloys and Compounds</i> , 2016 , 664, 242-249	5.7	91
167	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

166	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
165	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
164	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
163	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
162	Physical properties of transparent and conducting sprayed fluorine doped zinc oxide thin films. <i>Solid State Sciences</i> , 2008 , 10, 1209-1214	3.4	80
161	Kinetic Analysis of Heterogeneous Photocatalysis: Role of Hydroxyl Radicals. <i>Catalysis Reviews - Science and Engineering</i> , 2013 , 55, 79-133	12.6	78
160	The effect of Mn substitution on the magnetic and dielectric properties of cobalt ferrite synthesized by an autocombustion route. <i>Smart Materials and Structures</i> , 2009 , 18, 115028	3.4	77
159	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
158	Gallium doping in transparent conductive ZnO thin films prepared by chemical spray pyrolysis. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 135404	3	75
157	Fabrication and performance of N-doped ZnO UV photoconductive detector. <i>Journal of Alloys and Compounds</i> , 2012 , 522, 118-122	5.7	74
156	Room temperature synthesis and characterization of CdO nanowires by chemical bath deposition (CBD) method. <i>Applied Surface Science</i> , 2008 , 254, 3269-3273	6.7	72
155	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
154	Electrical and dielectric properties of co-precipitated nanocrystalline tin oxide. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 743-749	5.7	68
153	Sb ₂ S ₃ semiconductor-septum rechargeable storage cell. <i>Materials Chemistry and Physics</i> , 2000 , 64, 70-74	4.4	67
152	Structural, morphological, dielectrical, magnetic and impedance properties of Co _{1-x} MnxFe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2013 , 555, 330-334	5.7	64
151	Synthesis and characterization of Sb doped ZnO thin films for photodetector application. <i>Optical Materials</i> , 2014 , 36, 833-838	3.3	61
150	Effect of the substrate temperature on the properties of spray deposited Sb ₂ Se ₃ thin films from non-aqueous medium. <i>Thin Solid Films</i> , 1997 , 311, 114-118	2.2	61
149	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

148	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
147	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
146	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
145	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
144	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
143	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
142	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
141	Fast response ultraviolet Ga-doped ZnO based photoconductive detector. <i>Materials Research Bulletin</i> , 2011 , 46, 1734-1737	5-1	54
140	Preparation and characterization of spray deposited photoactive Sb ₂ S ₃ and Sb ₂ Se ₃ thin films using aqueous and non-aqueous media. <i>Materials Chemistry and Physics</i> , 2002 , 73, 6-12	4-4	54
139	High-performance UV detector based on Ga-doped zinc oxide thin films. <i>Applied Surface Science</i> , 2011 , 257, 9595-9599	6-7	52
138	A comparative study of the properties of spray-deposited Sb ₂ Se ₃ thin films prepared from aqueous and nonaqueous media. <i>Materials Research Bulletin</i> , 1999 , 34, 1079-1087	5-1	52
137	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
136	ZnO based visible-blind UV photodetector by spray pyrolysis. <i>Superlattices and Microstructures</i> , 2014 , 76, 253-263	2.8	51
135	Nanostructured TiO ₂ thin film memristor using hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 267-270	5-7	51
134	Solvent-dependent growth of sprayed FTO thin films with mat-like morphology. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1439-1444	6.4	51
133	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
132	Visible light catalysis of methyl orange using nanostructured WO ₃ thin films. <i>Ceramics International</i> , 2016 , 42, 789-798	5-1	50
131	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

130	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
129	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
128	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
127	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
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	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
124	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
123	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
122	Effect of calcining temperature on electrical and dielectric properties of cadmium stannate. <i>Applied Surface Science</i> , 2009 , 255, 6675-6678	6.7	41
121	Physical properties of spray deposited CdTe thin films: PEC performance. <i>Journal of Semiconductors</i> , 2011 , 32, 033001	2.3	41
120	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
119	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
118	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
117	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
116	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
115	Physical properties of spray deposited Ni-doped zinc oxide thin films. <i>Ceramics International</i> , 2013 , 39, 3901-3907	5.1	38
114	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
113	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

112	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
111	Structural, compositional and electrical properties of co-precipitated zinc stannate. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7508-7514	5.7	37
110	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
109	Electrosynthesis and characterization of iron selenide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 560-565	6.4	36
108	(Photo)electrochemical investigations on spray deposited n-Sb ₂ S ₃ thin film/polyiodide/C photoelectrochemical solar cells. <i>Materials Chemistry and Physics</i> , 2000 , 63, 263-269	4.4	36
107	Preparation and characterization of electrodeposited Sb ₂ Se ₃ thin films. <i>Materials Chemistry and Physics</i> , 1999 , 61, 219-222	4.4	35
106	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
105	Photoelectrochemical investigations on electrochemically deposited CdSe and Fe-doped CdSe thin films. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 45-49	6.4	34
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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

94	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
93	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
92	Electrosynthesis and characterization of Fe doped CdSe thin films from ethylene glycol bath. <i>Applied Surface Science</i> , 2007 , 253, 7313-7317	6.7	28
91	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
90	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
89	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
88	Chemical synthesis of pinecone like ZnO films for UV photodetector applications. <i>Thin Solid Films</i> , 2017 , 642, 232-240	2.2	26
87	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
86	Photoelectrocatalytic oxidation of Rhodamine B with sprayed Fe ₂ O ₃ photocatalyst. <i>Materials Express</i> , 2013 , 3, 247-255	1.3	26
85	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
84	Determination of CdIn ₂ S ₄ semiconductor parameters by (photo)electrochemical technique. <i>Physica B: Condensed Matter</i> , 2007 , 393, 249-254	2.8	26
83	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
82	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
81	N-doped ZnO based fast response ultraviolet photoconductive detector. <i>Solid-State Electronics</i> , 2012 , 68, 22-26	1.7	24
80	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
79	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
78	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
77	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

76	Photoelectrochemical properties of spray deposited n-ZnIn ₂ Se ₄ thin films. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 453-456	6.4	23
75	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
74	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
73	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
72	Studies on magnetic, dielectric and magnetoelectric behavior of (x) NiFe _{1.9} Mn _{0.1} O ₄ and (1-x) BaZr _{0.08} Ti _{0.92} O ₃ magnetoelectric composites. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 310-315	5.7	22
71	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
70	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
69	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
68	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
67	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
66	Semiconducting properties of aluminum-doped ZnO thin films grown by spray pyrolysis technique. <i>Journal of Semiconductors</i> , 2015 , 36, 033002	2.3	19
65	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
64	Studies on dielectric and magnetoelectric behavior of 25% CMFO ferrite and 75% BZT ferroelectric multiferroic magnetoelectric composites. <i>Materials Letters</i> , 2010 , 64, 520-523	3.3	19
63	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
62	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
61	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
60	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
59	Photoelectrochemical performance of sprayed n-CdIn ₂ Se ₄ photoanodes. <i>Solar Energy</i> , 2011 , 85, 325-333	3.8	18

58	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
57	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
56	A comparative study of concentration effect of complexing agent on the properties of spray deposited Sb ₂ S ₃ thin films and precipitated powders. <i>Materials Chemistry and Physics</i> , 1997 , 51, 252-257	4.4	17
55	Photoelectrocatalytic degradation of benzoic acid using sprayed TiO ₂ thin films. <i>Ceramics International</i> , 2015 , 41, 2202-2208	5.1	16
54	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
53	Studies on NO ₂ gas sensing properties of sprayed Co _{1-x} MnxFe ₂ O ₄ (0 ≤ x ≤ 0.5) spinel ferrite thin films. <i>Ceramics International</i> , 2015 , 41, 7394-7401	5.1	16
52	The n-CdIn ₂ Se ₄ /p-CdTe heterojunction solar cells. <i>Solar Energy</i> , 2011 , 85, 1336-1342	6.8	16
51	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
50	Photoelectrochemical investigation on spray deposited n-CdIn ₂ S ₄ thin films. <i>Bulletin of Materials Science</i> , 1999 , 22, 927-931	1.7	16
49	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
48	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
47	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
46	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
45	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
44	Photoelectrocatalytic activity of ferric oxide nanocatalyst: A synergistic effect of thickness. <i>Ceramics International</i> , 2014 , 40, 9463-9471	5.1	14
43	Structural, Morphological, Optical and Photoluminescence Properties of Ag-Doped Zinc Oxide Thin Films. <i>Materials Express</i> , 2012 , 2, 64-70	1.3	14
42	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
41	Photoelectrochemical Studies on Electrodeposited CdBe ₂ Thin Films. <i>Physica Status Solidi A</i> , 1999 , 172, 415-423		14

40	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
39	Photoelectrocatalytic degradation of benzoic acid using immobilized tungsten trioxide photocatalyst. <i>Materials Chemistry and Physics</i> , 2016 , 183, 439-446	4-4	13
38	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
37	Structural, morphological, dielectrical and magnetic properties of Mn substituted cobalt ferrite. <i>Journal of Semiconductors</i> , 2013 , 34, 093002	2-3	13
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