

Keshav Rajpure

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structural, morphological, electrical and magnetic properties of Dy doped Ni ²⁺ Co substitutional spinel ferrite. Journal of Magnetism and Magnetic Materials, 2013, 329, 59-64.	1.0	185
2	Development of CZTS thin films solar cells by pulsed laser deposition: Influence of pulse repetition rate. Solar Energy, 2011, 85, 1354-1363.	2.9	161
3	Physical properties of hematite Fe_2O_3 thin films: application to photoelectrochemical solar cells. Journal of Semiconductors, 2011, 32, 013001.	2.0	158
4	Studies of compositional dependent CZTS thin film solar cells by pulsed laser deposition technique: An attempt to improve the efficiency. Journal of Alloys and Compounds, 2012, 544, 145-151.	2.8	137
5	High-performance metal-semiconductor-metal UV photodetector based on spray deposited ZnO thin films. Journal of Alloys and Compounds, 2014, 595, 55-59.	2.8	136
6	Structural, optical and electrical properties of chemically sprayed CdO thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 122, 67-71.	1.7	135
7	Effect of fluorine doping on highly transparent conductive spray deposited nanocrystalline tin oxide thin films. Applied Surface Science, 2009, 255, 9358-9364.	3.1	132
8	Chemical bath deposited ZnO thin film based UV photoconductive detector. Journal of Alloys and Compounds, 2016, 664, 242-249.	2.8	125
9	Sensing properties of sprayed antimony doped tin oxide thin films: Solution molarity. Journal of Alloys and Compounds, 2011, 509, 3108-3115.	2.8	123
10	Zinc oxide mediated heterogeneous photocatalytic degradation of organic species under solar radiation. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 425-433.	1.7	120
11	Spray deposition of highly transparent fluorine doped cadmium oxide thin films. Applied Surface Science, 2008, 254, 2187-2195.	3.1	119
12	Dielectric properties and complex impedance spectroscopy studies of mixed Ni ²⁺ Co ferrites. Smart Materials and Structures, 2009, 18, 085014.	1.8	117
13	Structural and optoelectronic properties of antimony incorporated tin oxide thin films. Journal of Alloys and Compounds, 2010, 505, 416-422.	2.8	116
14	Synthesis and characterization of Cu ₂ ZnSnS ₄ thin films grown by PLD: Solar cells. Journal of Alloys and Compounds, 2011, 509, 7439-7446.	2.8	115
15	Electrical, structural and optical properties of SnO ₂ :F thin films: Effect of the substrate temperature. Journal of Alloys and Compounds, 2009, 488, 350-355.	2.8	113
16	Structural, optoelectronic, luminescence and thermal properties of Ga-doped zinc oxide thin films. Applied Surface Science, 2012, 258, 9969-9976.	3.1	110
17	Structural and magnetic properties of Co _{1-x} MnxFe ₂ O ₄ (0 ≤ x ≤ 0.4) spinel ferrites synthesized by combustion route. Journal of Alloys and Compounds, 2010, 490, 568-571.	2.8	108
18	Synthesis of fast response, highly sensitive and selective Ni:ZnO based NO ₂ sensor. Chemical Engineering Journal, 2016, 286, 36-47.	6.6	106

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19	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.	1.8	102
20	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, 70-77.	1.7	102
21	Kinetic Analysis of Heterogeneous Photocatalysis: Role of Hydroxyl Radicals. <i>Catalysis Reviews - Science and Engineering</i> , 2013, 55, 79-133.	5.7	93
22	Effect of Sb doping on properties of conductive spray deposited SnO ₂ thin films. <i>Materials Chemistry and Physics</i> , 2000, 64, 184-188.	2.0	92
23	Physical properties of transparent and conducting sprayed fluorine doped zinc oxide thin films. <i>Solid State Sciences</i> , 2008, 10, 1209-1214.	1.5	92
24	Optoelectronic properties of sprayed transparent and conducting indium doped zinc oxide thin films. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 105109.	1.3	91
25	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, 90-98.	1.7	90
26	Gallium doping in transparent conductive ZnO thin films prepared by chemical spray pyrolysis. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 135404.	1.3	88
27	Electrical and dielectric properties of co-precipitated nanocrystalline tin oxide. <i>Journal of Alloys and Compounds</i> , 2010, 505, 743-749.	2.8	82
28	Room temperature synthesis and characterization of CdO nanowires by chemical bath deposition (CBD) method. <i>Applied Surface Science</i> , 2008, 254, 3269-3273.	3.1	81
29	Fabrication and performance of N-doped ZnO UV photoconductive detector. <i>Journal of Alloys and Compounds</i> , 2012, 522, 118-122.	2.8	81
30	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.	2.8	79
31	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.	2.8	79
32	Multifunctional zinc oxide thin films for high-performance UV photodetectors and nitrogen dioxide gas sensors. <i>RSC Advances</i> , 2016, 6, 25641-25650.	1.7	77
33	ZnO based visible-blind UV photodetector by spray pyrolysis. <i>Superlattices and Microstructures</i> , 2014, 76, 253-263.	1.4	75
34	Synthesis and characterization of Sb doped ZnO thin films for photodetector application. <i>Optical Materials</i> , 2014, 36, 833-838.	1.7	75
35	Sb ₂ S ₃ semiconductor-septum rechargeable storage cell. <i>Materials Chemistry and Physics</i> , 2000, 64, 70-74.	2.0	72
36	Effect of the substrate temperature on the properties of spray deposited Sb-Se thin films from non-aqueous medium. <i>Thin Solid Films</i> , 1997, 311, 114-118.	0.8	70

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37	Physical properties of sprayed antimony doped tin oxide thin films: The role of thickness. Journal of Semiconductors, 2011, 32, 053001.	2.0	70
38	Effect of solvent ratio on the properties of highly oriented sprayed fluorine-doped tin oxide thin films. Materials Letters, 2007, 61, 3030-3036.	1.3	69
39	Photo-corrosion inhibition and photoactivity enhancement with tailored zinc oxide thin films. Journal of Photochemistry and Photobiology B: Biology, 2012, 110, 15-21.	1.7	68
40	Preparation and characterization of spray deposited photoactive Sb ₂ S ₃ and Sb ₂ Se ₃ thin films using aqueous and non-aqueous media. Materials Chemistry and Physics, 2002, 73, 6-12.	2.0	66
41	Solar photoelectrocatalytic activities of rhodamine-B using sprayed WO ₃ photoelectrode. Journal of Alloys and Compounds, 2016, 655, 106-113.	2.8	66
42	Effect of concentration of SnCl ₄ on sprayed fluorine doped tin oxide thin films. Journal of Alloys and Compounds, 2008, 455, 440-446.	2.8	65
43	Structural, optical and electrical properties of chemically sprayed nanosized gallium doped CdO thin films. Journal of Alloys and Compounds, 2010, 496, 357-363.	2.8	65
44	Nanostructured TiO ₂ thin film memristor using hydrothermal process. Journal of Alloys and Compounds, 2014, 593, 267-270.	2.8	63
45	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. Journal of Analytical and Applied Pyrolysis, 2014, 107, 233-241.	2.6	63
46	Mössbauer, Raman, and Magnetoresistance Study of Aluminum-Based Iron Oxide Thin Films. Journal of Physical Chemistry C, 2011, 115, 3731-3736.	1.5	61
47	High-performance UV detector based on Ga-doped zinc oxide thin films. Applied Surface Science, 2011, 257, 9595-9599.	3.1	61
48	Distribution of cations in Co _{1-x} MnxFe ₂ O ₄ using XRD, magnetization and Mössbauer spectroscopy. Journal of Alloys and Compounds, 2015, 646, 550-556.	2.8	61
49	Fast response ultraviolet Ga-doped ZnO based photoconductive detector. Materials Research Bulletin, 2011, 46, 1734-1737.	2.7	60
50	Visible light catalysis of methyl orange using nanostructured WO ₃ thin films. Ceramics International, 2016, 42, 789-798.	2.3	60
51	Photoelectrocatalytic decolorization and degradation of textile effluent using ZnO thin films. Journal of Photochemistry and Photobiology B: Biology, 2012, 114, 102-107.	1.7	59
52	A comparative study of the properties of spray-deposited Sb ₂ Se ₃ thin films prepared from aqueous and nonaqueous media. Materials Research Bulletin, 1999, 34, 1079-1087.	2.7	58
53	Structural, dielectric and magnetic properties of Ni substituted zinc ferrite. Journal of Magnetism and Magnetic Materials, 2014, 363, 114-120.	1.0	58
54	Effect of precursor concentration on the properties of ITO thin films. Journal of Alloys and Compounds, 2008, 464, 387-392.	2.8	57

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55	Solvent-dependent growth of sprayed FTO thin films with mat-like morphology. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1439-1444.	3.0	56
56	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.	1.1	56
57	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.	1.9	55
58	Photoelectrocatalytic degradation of benzoic acid using Au doped TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 204-211.	1.7	55
59	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, 245-254.	5.0	52
60	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.	3.1	51
61	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.	1.2	51
62	Effect of calcining temperature on electrical and dielectric properties of cadmium stannate. <i>Applied Surface Science</i> , 2009, 255, 6675-6678.	3.1	50
63	Structural, compositional and electrical properties of co-precipitated zinc stannate. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7508-7514.	2.8	50
64	Photoelectrochemical properties of highly mobilized Li-doped ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 1-9.	1.7	50
65	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.	1.9	49
66	Physical properties of spray deposited CdTe thin films: PEC performance. <i>Journal of Semiconductors</i> , 2011, 32, 033001.	2.0	49
67	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.	5.0	48
68	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.	2.8	47
69	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.	2.6	47
70	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.	1.9	46
71	Physical properties of spray deposited Ni-doped zinc oxide thin films. <i>Ceramics International</i> , 2013, 39, 3901-3907.	2.3	46
72	Photoelectrocatalytic degradation of methyl blue using sprayed WO ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1629-1635.	1.1	45

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73	Nanocrystalline immobilised ZnO photocatalyst for degradation of benzoic acid and methyl blue dye. <i>Materials Research Bulletin</i> , 2018, 101, 324-333.	2.7	45
74	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.	7.1	44
75	Photocatalytic oxidation of Rhodamine B with ferric oxide thin films under solar illumination. <i>Materials Research Bulletin</i> , 2013, 48, 4058-4065.	2.7	42
76	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.	2.8	42
77	Influence of substrates on photoelectrochemical performance of sprayed n-CdIn ₂ S ₄ electrodes. <i>Solar Energy</i> , 2010, 84, 1208-1215.	2.9	41
78	Preparation and characterization of electrodeposited Sb ₂ Se ₃ thin films. <i>Materials Chemistry and Physics</i> , 1999, 61, 219-222.	2.0	40
79	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.	1.3	40
80	Electrosynthesis and characterization of iron selenide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 560-565.	3.0	39
81	Influences in high quality zinc oxide films and their photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2010, 503, 416-421.	2.8	39
82	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.	4.8	39
83	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method. <i>Electronic Materials Letters</i> , 2015, 11, 944-948.	1.0	39
84	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.	1.4	38
85	Photocatalytic activity of sea water using TiO ₂ catalyst under solar light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 103, 111-117.	1.7	37
86	Oxidative degradation of acid orange 7 using Ag-doped zinc oxide thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 262-268.	1.7	37
87	(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.	2.0	36
88	Photoelectrochemical investigations on electrochemically deposited CdSe and Fe-doped CdSe thin films. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 45-49.	3.0	35
89	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, 118-123.	1.7	35
90	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.	1.1	35

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91	Photoelectrocatalytic degradation of oxalic acid by spray deposited nanocrystalline zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2012, 538, 237-243.	2.8	34
92	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.	2.7	34
93	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.	2.8	34
94	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.	2.0	33
95	Determination of CdIn ₂ S ₄ semiconductor parameters by (photo)electrochemical technique. <i>Physica B: Condensed Matter</i> , 2007, 393, 249-254.	1.3	33
96	Effect of write voltage and frequency on the reliability aspects of memristor-based RRAM. <i>International Nano Letters</i> , 2017, 7, 209-216.	2.3	33
97	Structural and optical properties of spray-deposited CdIn ₂ Se ₄ thin films. <i>Materials Chemistry and Physics</i> , 2003, 78, 363-366.	2.0	31
98	Hydroxyl radical's role in the remediation of wastewater. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 116, 66-74.	1.7	31
99	Photoelectrocatalytic oxidation of Rhodamine B with sprayed Fe ₂ O ₃ /TiO ₂ /ZnO photocatalyst. <i>Materials Express</i> , 2013, 3, 247-255.	0.2	31
100	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.	1.1	31
101	Electrosynthesis and characterization of Fe doped CdSe thin films from ethylene glycol bath. <i>Applied Surface Science</i> , 2007, 253, 7313-7317.	3.1	29
102	Structural, morphological, luminescent and electronic properties of sprayed aluminium incorporated iron oxide thin films. <i>Surface and Coatings Technology</i> , 2011, 205, 3567-3577.	2.2	29
103	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.	1.7	29
104	Chemical synthesis of pinecone like ZnO films for UV photodetector applications. <i>Thin Solid Films</i> , 2017, 642, 232-240.	0.8	28
105	Photoelectrochemical properties of spray deposited n-ZnIn ₂ Se ₄ thin films. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 453-456.	3.0	27
106	Electron-phonon interaction and size effect study in catalyst based zinc oxide thin films. <i>Journal of Molecular Structure</i> , 2010, 984, 186-193.	1.8	27
107	X-ray photoelectron spectroscopic study of catalyst based zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4603-4607.	2.8	27
108	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.	2.0	26

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109	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. Journal of Alloys and Compounds, 2010, 489, 310-315.	2.8	26
110	Photodegradation of organic pollutants using N-titanium oxide catalyst. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 186-191.	1.7	26
111	Mimicking the Synaptic Weights and Human Forgetting Curve Using Hydrothermally Grown Nanostructured CuO Memristor Device. Journal of Nanoscience and Nanotechnology, 2018, 18, 984-991.	0.9	26
112	Investigation of structural, optical and luminescent properties of sprayed N-doped zinc oxide thin films. Journal of Analytical and Applied Pyrolysis, 2012, 97, 181-188.	2.6	25
113	Photoelectrocatalytic activity of spray deposited Fe ₂ O ₃ /ZnO photoelectrode for degradation of salicylic acid and methyl orange dye under solar radiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 248, 114386.	1.7	25
114	N-doped ZnO based fast response ultraviolet photoconductive detector. Solid-State Electronics, 2012, 68, 22-26.	0.8	24
115	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. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 357, 72-80.	2.0	24
116	Bipolar resistive switching with coexistence of mem-elements in the spray deposited CoFe ₂ O ₄ thin film. Journal of Materials Science: Materials in Electronics, 2018, 29, 3231-3238.	1.1	24
117	Room temperature electrocrystallization of CdSe thin films from ethylene glycol bath. Journal of Alloys and Compounds, 2008, 459, 515-520.	2.8	23
118	Structural and optoelectronic properties of sprayed Sb:SnO ₂ thin films: Effects of substrate temperature and nozzle-to-substrate distance. Journal of Semiconductors, 2011, 32, 102001.	2.0	23
119	Structural, optical, electrical and thermal properties of zinc oxide thin films by chemical spray pyrolysis. Journal of Molecular Structure, 2012, 1021, 123-129.	1.8	23
120	Effect of Co doping on structural, morphological and LPG sensing properties of nanocrystalline ZnO thin films. Sensors and Actuators A: Physical, 2014, 216, 328-334.	2.0	23
121	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. Ceramics International, 2015, 41, 7394-7401.	2.3	22
122	Studies on structural and electrical properties of Li _{0.5-0.5x} Co _{1-0.5x} Fe _{2.5-0.5x} O ₄ (0 ≤ x ≤ 0.6) spinel ferrite. Physica B: Condensed Matter, 2015, 474, 47-52.	1.3	22
123	The effect of Co substitution on the structural and magnetic properties of lithium ferrite synthesized by an autocombustion method. Journal of Magnetism and Magnetic Materials, 2015, 382, 152-157.	1.0	21
124	Effect of intermittent time on structural, optoelectronic, luminescence properties of sprayed antimony doped tin oxide thin films. Journal of Analytical and Applied Pyrolysis, 2015, 112, 214-220.	2.6	21
125	Nanocrystalline Bi ₂ Te ₃ thin films synthesized by electrodeposition method for photoelectrochemical application. Materials Science in Semiconductor Processing, 2018, 79, 119-126.	1.9	21
126	Structural, morphological, dielectrical and magnetic properties of Mn substituted cobalt ferrite. Journal of Semiconductors, 2013, 34, 093002.	2.0	20

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127	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.	1.0	20
128	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.	1.7	20
129	Exploring structural and magnetic properties of nanocrystalline iron oxide synthesized by autocombustion method. <i>Superlattices and Microstructures</i> , 2015, 77, 181-195.	1.4	20
130	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.	2.0	19
131	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.	1.3	19
132	Photoelectrochemical performance of sprayed n-CdIn ₂ Se ₄ photoanodes. <i>Solar Energy</i> , 2011, 85, 325-333.	2.9	19
133	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.	0.8	19
134	Semiconducting properties of aluminum-doped ZnO thin films grown by spray pyrolysis technique. <i>Journal of Semiconductors</i> , 2015, 36, 033002.	2.0	19
135	Photoelectrocatalytic degradation of benzoic acid using sprayed TiO ₂ thin films. <i>Ceramics International</i> , 2015, 41, 2202-2208.	2.3	19
136	Compositional variation of structural, electrical and magnetic properties of Dy substituted Ni ²⁺ Co spinel ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10484-10496.	1.1	19
137	Photoelectrochemical investigation on spray deposited n-CdIn ₂ S ₄ thin films. <i>Bulletin of Materials Science</i> , 1999, 22, 927-931.	0.8	18
138	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, 315-324.	1.7	18
139	Physicochemical Properties of Spray-Deposited CoFe ₂ O ₄ Thin Films. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2787-2794.	1.2	18
140	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.	0.4	18
141	Photoelectrochemical Studies on Electrodeposited Cd ²⁺ Fe ²⁺ Se Thin Films. <i>Physica Status Solidi A</i> , 1999, 172, 415-423.	1.7	17
142	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.	1.9	17
143	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.	2.8	17
144	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.	3.1	17

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145	Studies on morphological and electrical properties of Al incorporated combusted iron oxide. Journal of Alloys and Compounds, 2011, 509, 3943-3951.	2.8	17
146	The n-CdIn ₂ Se ₄ /p-CdTe heterojunction solar cells. Solar Energy, 2011, 85, 1336-1342.	2.9	17
147	Size dependent electron-phonon coupling in N, Li, In, Ga, F and Ag doped ZnO thin films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 453-456.	2.0	17
148	Synthesis and Characterization of Spray Deposited Nickel-Zinc Ferrite Thin Films. Energy Procedia, 2014, 54, 599-605.	1.8	17
149	Structural, Morphological, Optical and Photoluminescence Properties of Ag-Doped Zinc Oxide Thin Films. Materials Express, 2012, 2, 64-70.	0.2	16
150	Photoelectrocatalytic degradation of benzoic acid using immobilized tungsten trioxide photocatalyst. Materials Chemistry and Physics, 2016, 183, 439-446.	2.0	16
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