

# Orlando Zelaya-Angel

## List of Publications by Citations

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205 papers	3,297 citations	28 h-index	45 g-index
206 ext. papers	3,532 ext. citations	3 avg, IF	4.77 L-index

#	Paper	IF	Citations
205	Band-gap shift in CdS semiconductor by photoacoustic spectroscopy: Evidence of a cubic to hexagonal lattice transition. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 291-293	3.4	176
204	Characterization of defect levels in chemically deposited CdS films in the cubic-to-hexagonal phase transition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1997</b> , 15, 2282-2286 <sup>2.9</sup>	2.9	116
203	Dependence of electrical and optical properties of sol-gel prepared undoped cadmium oxide thin films on annealing temperature. <i>Thin Solid Films</i> , <b>2005</b> , 493, 83-87	2.2	106
202	Low resistivity cubic phase CdS films by chemical bath deposition technique. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 1278-1280	3.4	88
201	Optical and electrical characterization of fluorine doped cadmium oxide thin films prepared by the sol-gel method. <i>Thin Solid Films</i> , <b>2007</b> , 515, 5381-5385	2.2	75
200	Raman studies in CdS thin films in the evolution from cubic to hexagonal phase. <i>Solid State Communications</i> , <b>1997</b> , 104, 161-166	1.6	73
199	Influence of thermal annealings in different atmospheres on the band-gap shift and resistivity of CdS thin films. <i>Journal of Applied Physics</i> , <b>1995</b> , 78, 2204-2207	2.5	65
198	Influence of NH <sub>3</sub> concentration and annealing in the properties of chemical bath deposited ZnS films. <i>Materials Chemistry and Physics</i> , <b>1999</b> , 61, 139-142	4.4	60
197	Structural, morphological, optical and photocatalytic characterization of ZnO/Bi <sub>2</sub> O <sub>3</sub> thin films prepared by the sol-gel technique. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 235, 49-55	4.7	59
196	Electron diffusion and electrochromism in MoO <sub>3</sub> amorphous films. <i>Journal of Applied Physics</i> , <b>1980</b> , 51, 6022-6026	2.5	58
195	Photoluminescence in cubic and hexagonal CdS films. <i>Applied Surface Science</i> , <b>2001</b> , 175-176, 562-566	6.7	56
194	Influence of magnetic field and type of substrate on the growth of ZnS films by chemical bath. <i>Thin Solid Films</i> , <b>2002</b> , 419, 118-123	2.2	54
193	Band-gap shift in CdS: phase transition from cubic to hexagonal on thermal annealing. <i>Vacuum</i> , <b>1995</b> , 46, 1083-1085	3.7	54
192	Photoluminescence analysis of CdS thin films under phase transition. <i>Thin Solid Films</i> , <b>1996</b> , 281-282, 386-389	2.2	53
191	Sphalerite-wurtzite phase transformation in CdS. <i>Physical Review B</i> , <b>2000</b> , 62, 13064-13069	3.3	50
190	Structural transition of chemically deposited CdS films on thermal annealing. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 10051-10058	1.8	43
189	On the yellow-band emission in CdS films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2001</b> , 73, 61-65	2.6	41

188	Photoacoustic measurements of transparent liquid samples: thermal effusivity. <i>Measurement Science and Technology</i> , <b>1995</b> , 6, 1163-1168	2	41
187	Influence of the annealing temperature on the properties of undoped indium oxide thin films obtained by the sol-gel method. <i>Thin Solid Films</i> , <b>2008</b> , 517, 681-685	2.2	40
186	Band gap coupling in photocatalytic activity in ZnO/TiO <sub>2</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 108, 291-297	2.6	39
185	Quantum confinement effects in CdTe nanostructured films prepared by the RF sputtering technique. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 511-518	3.9	34
184	Photoluminescence effects associated with thermally induced crystalline structure changes in CdS films. <i>Solid State Communications</i> , <b>1995</b> , 94, 81-85	1.6	34
183	Effect of ZnSe doping on the photochromic and thermochromic properties of MoO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>2009</b> , 518, 1332-1336	2.2	33
182	CdS thin films doped with metal-organic salts using chemical bath deposition. <i>Thin Solid Films</i> , <b>2010</b> , 518, 1791-1795	2.2	33
181	Properties of CdS thin films chemically deposited in the presence of a magnetic field. <i>Thin Solid Films</i> , <b>1998</b> , 322, 329-333	2.2	33
180	Influence of low temperature thermal annealing on the dark resistivity of chemical bath deposited CdS films. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 70, 100-102	4.4	32
179	Electro-Optical Characterization of Sulfur-Annealed Chemical-Bath Deposited CdS Films. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 3238-3241	3.9	29
178	Electrical properties of Er-doped CdS thin films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 013712	2.5	28
177	Temperature dependence of the band gap of Cd <sub>1-x</sub> Zn <sub>x</sub> Te alloys of low zinc concentrations. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 7713-7717	2.5	28
176	Au/Ti/p-CdTe/n-TiO <sub>2</sub> /glass-type solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 2272-2279	6.4	27
175	Phase transformation on CdSe thin films under annealing in Ar+Se <sub>2</sub> atmosphere. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 1751-1754	3.9	27
174	CdTe nanostructures prepared by thermal annealing. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 5461-5463	2.5	26
173	Low-temperature photoluminescence spectra of CdO/Ti <sub>2</sub> O <sub>3</sub> thin films prepared by sol-gel. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 2500-2504	3.8	25
172	Effect of the sintering temperature on the photocatalytic activity of ZnO+Zn <sub>2</sub> TiO <sub>4</sub> thin films. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1454-1457	6.4	25
171	On the bowing parameter in Cd <sub>1-x</sub> Zn <sub>x</sub> Te. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6284-6288	2.5	25

170	Effect of precursor solution and annealing temperature on the physical properties of Sol-gel-deposited ZnO thin films. <i>Results in Physics</i> , <b>2013</b> , 3, 248-253	3.7	24
169	Study of the morphological, structural, thermal, and pasting corn transformation during the traditional nixtamalization process: From corn to tortilla. <i>Journal of Food Engineering</i> , <b>2017</b> , 212, 242-251	6	24
168	Changes of the structural and optical properties of cubic CdS films on annealing in H <sub>2</sub> and air atmospheres. <i>Semiconductor Science and Technology</i> , <b>2000</b> , 15, 259-262	1.8	24
167	The influence of slaked lime content on the processing conditions of cooked maize tortillas: changes of thermal, structural and rheological properties. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , <b>1995</b> , 201, 236-240		24
166	Cuprous oxide thin films obtained by spray-pyrolysis technique. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 851-857	2.1	23
165	CdS thin-films deposited by a modified chemical-bath deposition method. <i>Journal of Crystal Growth</i> , <b>1998</b> , 187, 380-386	1.6	23
164	Cd self-doping of CdTe polycrystalline films by co-sputtering of CdTe and targets. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 760-763	2.5	23
163	Influence of Te inclusions and precipitates on the crystalline and thermal properties of CdTe single crystals. <i>Journal of Crystal Growth</i> , <b>2000</b> , 213, 259-266	1.6	23
162	Influence of the growth parameters of p-CdTe thin films on the performance of Au/p-CdTe/n-CdO type solar cells. <i>Solar Energy</i> , <b>2006</b> , 80, 142-147	6.8	22
161	CdTiO <sub>3</sub> thin films prepared by sol-gel method using a simpler route. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 3567-3572	4.4	22
160	Quantum Confinement and Crystalline Structure of CdSe Nanocrystalline Films. <i>Physica Status Solidi A</i> , <b>2001</b> , 188, 1059-1064		22
159	Cubic to hexagonal phase transition in CdTe polycrystalline thin films by oxygen incorporation. <i>Solid State Communications</i> , <b>1997</b> , 101, 39-43	1.6	21
158	Photoluminescence Studies of Semiconducting Polycrystalline CdTe Films. <i>Japanese Journal of Applied Physics</i> , <b>1994</b> , 33, 37-41	1.4	21
157	Properties of CdSe Polycrystalline Thin Films Grown by Chemical Bath. <i>Journal of the Electrochemical Society</i> , <b>1999</b> , 146, 2546-2548	3.9	20
156	Photoacoustic characterization of the thermal properties of a semiconductor-glass two-layer system. <i>Physical Review B</i> , <b>1994</b> , 50, 14627-14630	3.3	20
155	Raman spectroscopy of oxygenated amorphous CdTe films. <i>Journal of Raman Spectroscopy</i> , <b>1994</b> , 25, 203-207	2.3	20
154	Variable Energy Gap in Oxygenated Amorphous Cadmium Telluride. <i>Japanese Journal of Applied Physics</i> , <b>1991</b> , 30, L1715-L1717	1.4	20
153	Red shifts of the Eg(1) Raman mode of nanocrystalline TiO <sub>2</sub> :Er monoliths grown by sol-gel process. <i>Optical Materials</i> , <b>2015</b> , 46, 345-349	3.3	19

152	Optical and structural properties of ZnO + Zn <sub>2</sub> TiO <sub>4</sub> thin films prepared by the sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2007</b> , 18, 1127-1130	2.1	19
151	Structural and optical properties of CdTe-nanocrystals thin films grown by chemical synthesis. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 35, 144-148	4.3	18
150	Enhancement of photoluminescence due to erbium-doped in CdS thin films. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 479-485	4.3	18
149	Effects of Cd vacancies on the electrical properties of polycrystalline CdTe sputtered films. <i>Journal of Physics and Chemistry of Solids</i> , <b>2001</b> , 62, 1081-1085	3.9	18
148	Effect of a CdS interlayer in thermochromism and photochromism of MoO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>1999</b> , 343-344, 202-205	2.2	18
147	Undoped tin oxide thin films obtained by the sol gel technique, starting from a simple precursor solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2011</b> , 22, 684-689	2.1	17
146	On the thermal properties of a two-layer system. <i>Physica Status Solidi A</i> , <b>1995</b> , 150, 695-704		17
145	Structural and optical studies in a-CdTe:O annealed films. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 7682-7687	2.5	17
144	Influence of Thermal Annealings in Argon on the Structural and Thermochromic Properties of (mathrm{MoO}_{3}) Thin Films. <i>International Journal of Thermophysics</i> , <b>2017</b> , 38, 1	2.1	16
143	Kinetics of water diffusion in corn grain during the alkaline cooking at different temperatures and calcium hydroxide concentration. <i>Journal of Food Engineering</i> , <b>2011</b> , 106, 60-64	6	16
142	Size-dependent local conductance properties of CdSe nanocrystal ensembles. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	16
141	Meyer-Neldel-like manifestation of the quantum confinement effect in solid ensembles of semiconductor quantum dots. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	16
140	DX centers and persistent photoconductivity in CdTe thin films. <i>Solid State Communications</i> , <b>2000</b> , 113, 621-625	1.6	16
139	Optical phonons in Zn <sub>x</sub> Cd <sub>1-x</sub> Se thin films. <i>Solid State Communications</i> , <b>1996</b> , 100, 33-36	1.6	16
138	Photodegradation of gaseous C <sub>6</sub> H <sub>6</sub> using CdO+CdTiO <sub>3</sub> and TiO <sub>2</sub> thin films obtained by sol-gel technique. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 310, 52-59	4.7	15
137	CHARACTERIZATION OF CUBIC CdS THIN FILMS ANNEALED IN VACUUM. <i>Journal of Physics and Chemistry of Solids</i> , <b>1998</b> , 59, 1393-1398	3.9	15
136	Growth of CdS:Cu Nanocrystals by Chemical Synthesis. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G926	3.9	15
135	CdO+CdTiO <sub>3</sub> thin films prepared by sol-gel. <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 2280-2288	6.4	15

134	Effects of annealing on the lattice parameter of polycrystalline CdS thin films. <i>Crystal Research and Technology</i> , <b>2004</b> , 39, 1115-1119	1.3	15
133	Growth and characterization of Cd <sub>1-x</sub> Zn <sub>x</sub> Te crystals with high Zn concentrations. <i>Journal of Crystal Growth</i> , <b>2000</b> , 209, 701-708	1.6	15
132	Thermal properties of CdTe. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 7217-7220	2.5	15
131	Photoluminescent and electrical properties of novel Nd <sup>3+</sup> doped ZnV <sub>2</sub> O <sub>6</sub> and Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Ceramics International</i> , <b>2016</b> , 42, 8425-8430	5.1	14
130	Effect of the sulfur and fluorine concentration on physical properties of CdS films grown by chemical bath deposition. <i>Results in Physics</i> , <b>2017</b> , 7, 1971-1975	3.7	14
129	Effect of calcium content in the corn flour on RVA profiles. <i>Journal of Food Engineering</i> , <b>2011</b> , 102, 100-103		14
128	Donor-acceptor pair photoluminescence spectra analysis in CdTe:Ag. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 2284-2288	2.5	14
127	Photoacoustic Monitoring of Processing Conditions in Cooked Tortillas: Measurement of Thermal Diffusivity. <i>Journal of Food Science</i> , <b>1995</b> , 60, 438-442	3.4	14
126	Photoacoustic thermal characterization of a semiconductor (CdTe)-glass two layer system. <i>Vacuum</i> , <b>1995</b> , 46, 883-886	3.7	14
125	Photoluminescence in undoped (CdO) <sub>1-x</sub> (InO <sub>3</sub> /2) <sub>x</sub> thin films at room temperature, 0-1. <i>Journal of Luminescence</i> , <b>2013</b> , 135, 133-138	3.8	13
124	Cd(S(1-x) + CO <sub>3</sub> (x)) thin films by chemical synthesis. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 4489-4492	4.3	13
123	Modification of the properties of chemically deposited CdS thin films grown under magnetic field and variable growing parameters. <i>Materials Research Bulletin</i> , <b>2001</b> , 36, 521-530	5.1	13
122	Theoretical basis for zincblende to wurtzite CdS-phase transition. <i>Phase Transitions</i> , <b>1999</b> , 70, 11-17	1.3	13
121	Photoacoustic measurements of thermal diffusivity and correlation with viscosity of instant corn dry masa flour. <i>Analyst, The</i> , <b>1995</b> , 120, 1953-1958	5	13
120	Thermal, structural and optical properties of {CdS} <sub>0.86</sub> X composites. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 2651-2657		13
119	Cu <sub>2</sub> O thin films obtained from sol-gel cuo films using a simple argon/dry-air microwave plasma. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 74, 203-209	4.3	13
118	Structural, electrical and optical properties of tin doped cadmium oxide thin films obtained by sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 70, 500-505	2.3	12
117	Nanocrystalline-CdS thin films grown on flexible PET-substrates by chemical bath deposition. <i>Materials Research Express</i> , <b>2017</b> , 4, 075904	1.7	12

116	Optical characterization of CdS semiconductor nanoparticles capped with starch. <i>Applied Surface Science</i> , <b>2010</b> , 257, 581-584	6.7	12
115	Cubic CdS thin films studied by spectroscopic ellipsometry. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1997</b> , 8, 399-403	2.1	12
114	CdSe band-splitting on thermal annealed films. <i>Optical Materials</i> , <b>2002</b> , 18, 383-389	3.3	12
113	Refractive index of colored films of molybdenum trioxide. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 223-226	2.5	12
112	Interstitial Cd doping CdTe films by co-sputtering. <i>Vacuum</i> , <b>1999</b> , 52, 99-102	3.7	12
111	Very sharp zinc blende-wurtzite phase transition of CdS nanoparticles. <i>Superlattices and Microstructures</i> , <b>2017</b> , 102, 442-450	2.8	11
110	Optical and structural properties of CdO+CdTiO <sub>3</sub> thin films prepared by sol-gel. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 530-535	4.4	11
109	Crystallization from amorphous structure to hexagonal quantum dots induced by an electron beam on CdTe thin films. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 1245-1249	1.6	11
108	Indium doping of CdTe polycrystalline films prepared by co-sputtering of CdTe <sub>0.9</sub> In <sub>0.1</sub> targets. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 452-454	3.4	11
107	Atmospheric ethene concentrations in Mexico City: Indications of strong diurnal and seasonal dependences. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 5219-5225	5.3	11
106	Gaseous benzene degradation by photocatalysis using ZnO + Zn <sub>2</sub> TiO <sub>4</sub> thin films obtained by sol-gel process. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 13191-9	5.1	11
105	Cd <sub>2</sub> SnO <sub>4</sub> /CdS/Cu <sub>2</sub> O/Ag solar cell obtained by chemical techniques. <i>Materials Research Bulletin</i> , <b>2020</b> , 122, 110669	5.1	11
104	Influence of plasma parameters and substrate temperature on the structural and optical properties of CdTe thin films deposited on glass by laser ablation. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 125304	2.5	10
103	Quantum confinement in nanostructured CdNiTe composite thin films. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 708-711	2.5	10
102	Characterization of CdTe-In co-sputtered films. <i>Journal of Physics and Chemistry of Solids</i> , <b>1997</b> , 58, 807-814	3.4	10
101	Electrical Characterization of Chemically Deposited CdS Thin Films under Magnetic Field Application. <i>Physica Status Solidi A</i> , <b>1998</b> , 167, 143-150		10
100	Photoluminescence of Rhodamine 6G-doped amorphous TiO <sub>2</sub> thin films grown by sol-gel. <i>Vacuum</i> , <b>2007</b> , 81, 1480-1483	3.7	10
99	Improved electrical, optical, and structural properties of undoped ZnO thin films grown by water-mist-assisted spray pyrolysis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 2411-2417	1.6	10



98	Extra Raman modes in CdS during cubic to hexagonal structural transformation. <i>Journal of Raman Spectroscopy</i> , <b>2002</b> , 33, 460-465	2.3	10
97	Composition dependence of the crystalline-to-amorphous phase transformation of vanadate compounds in the CdO-V <sub>2</sub> O <sub>5</sub> binary system. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 408, 26-31	3.9	9
96	Synthesis of CdSe nanoparticles immersed in an organic matrix of amylopectin by means of rf sputtering. <i>Journal of Crystal Growth</i> , <b>2012</b> , 338, 251-255	1.6	9
95	Effect of Er-doping on the structural and optical properties of Cd <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 2281-2285	1.6	9
94	Photoluminescence properties of the ZnO-CdO-TeO <sub>2</sub> system doped with the Tb <sup>3+</sup> and Yb <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 213-216	3.8	9
93	Influence of crystalline quality on the thermal, optical and structural properties of Cd <sub>1-x</sub> Zn <sub>x</sub> Te for low zinc concentration. <i>Journal of Crystal Growth</i> , <b>2001</b> , 233, 275-281	1.6	9
92	Phase stability during molecular beam epitaxial growth of CdTe on InSb(111) substrates. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2000</b> , 18, 1716		9
91	Chemical CdS Thin-Film Deposition Influenced by External Electric and Magnetic Fields. <i>Crystal Research and Technology</i> , <b>1999</b> , 34, 949-958	1.3	9
90	Optical characterization of novel matrix glasses based on a CdO:ZnO:V <sub>2</sub> O <sub>5</sub> ternary system. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 374-377	3.9	8
89	Oxygen desorption process in CdS thin films studied by thermally stimulated current measurements. <i>Materials Letters</i> , <b>1996</b> , 29, 107-110	3.3	8
88	Analysis of the photocatalytic activity of CdS+ZnTiO <sub>3</sub> nanocomposite films prepared by sputtering process. <i>Superlattices and Microstructures</i> , <b>2016</b> , 100, 148-157	2.8	8
87	Luminescent Properties of (004) Highly Oriented Cubic Zinc Blende ZnO Thin Films. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
86	Studies of phase formation from the ZnO-CdO-V <sub>2</sub> O <sub>5</sub> ternary system. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 386, 39-45	3.9	7
85	A novel solvothermal route for obtaining strontium titanate nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	7
84	Effect of a ZnSe Layer on the Thermochromic Properties of MoO <sub>3</sub> Thin Films. <i>International Journal of Thermophysics</i> , <b>2012</b> , 33, 2035-2040	2.1	7
83	Photoluminescence of epoxy/clay nanocomposites. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 1808-1814	4.3	7
82	Electrical and optical properties of Cr <sub>2-x</sub> Ti <sub>x</sub> O <sub>3</sub> thin films. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 205407	3	7
81	Structural, optical and electrical properties characterization of CdSbTe thin films grown by radiofrequency sputtering. <i>Journal of Physics and Chemistry of Solids</i> , <b>1995</b> , 56, 117-122	3.9	7



80	The temperature-dependence of the energy band gap of CSVT-grown CdTe films determined by photoluminescence. <i>Journal Physics D: Applied Physics</i> , <b>1995</b> , 28, 1517-1520	3	7
79	Incorporation of Er <sup>3+</sup> ions into an amorphous matrix of Cd <sub>2</sub> V <sub>2</sub> O <sub>7</sub> containing crystalline CdO nanoparticles. <i>Materials Research Bulletin</i> , <b>2015</b> , 68, 267-270	5.1	6
78	Nanometric structures of highly oriented zinc blende ZnO thin films. <i>Materials Letters</i> , <b>2015</b> , 139, 63-65	3.3	6
77	Burstein Moss effect in CdO/V <sub>2</sub> O <sub>5</sub> /P <sub>2</sub> O <sub>5</sub> : Er <sup>3+</sup> glasses, and the Yb <sup>3+</sup> concentration effect on up conversion and downshifting emissions. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 154966	5.7	6
76	Physical properties of Bi-doped CdTe thin films deposited by cosputtering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 768-775	1.6	6
75	Refraction index and oscillator strength in MoO <sub>3</sub> photocolored films. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 271, 369-373	2.8	6
74	Optical properties of CdTe thin films studied by photothermal deflection spectroscopy. <i>Thin Solid Films</i> , <b>1983</b> , 102, 259-263	2.2	6
73	Structural properties of Sn-doped CdTe thin films grown by pulsed laser deposition using powder as target. <i>Journal of Laser Applications</i> , <b>2016</b> , 28, 032012	2.1	6
72	Influence of vacuum and Ar/CdS atmospheres-rapid thermal annealing (RTA) on the properties of Cd <sub>2</sub> SnO <sub>4</sub> thin films obtained by sol-gel technique. <i>Materials Science in Semiconductor Processing</i> , <b>2016</b> , 56, 302-306	4.3	6
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54	Photochromism and thermochromism of MoO <sub>3</sub> thin films doped with ZnSe <b>2012</b> ,		4
53	High conductivity a-C:N thin films prepared by electron gun evaporation. <i>Materials Characterization</i> , <b>2007</b> , 58, 809-816	3.9	4
52	Quantum confinement effects in variable band-gap GaN <sub>x</sub> As <sub>1-x</sub> thin films studied by photoacoustic spectroscopy. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 854-856	1.7	4
51	Atmospheric pollution profiles in Mexico City in two different seasons. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 500-502	1.7	4
50	Physical properties of CdTe/Sb thin films. <i>Thin Solid Films</i> , <b>1996</b> , 290-291, 395-400	2.2	4
49	Photocatalytic activity of ZnO + CuO thin films deposited by dip coating: coupling effect between oxides. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 93, 517-526	2.3	4
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36	Airy pattern on narrow photoluminescence spectrum of band to band recombination in CdTe:Te thin films. <i>Journal of Luminescence</i> , <b>2018</b> , 194, 565-568	3.8	2
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