

Luis Mnp Pereira

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.

207
papers

7,981
citations

47
h-index

85
g-index

221
ext. papers

8,659
ext. citations

4.2
avg. IF

5.61
L-index

#	Paper	IF	Citations
207	UV-Assisted Annealing Effect on the Performance of an Electrolyte-Gated Transistor Based on Inkjet Printed ZnO Nanoparticles Blended With Zinc Nitrate. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-7	2.9	0
206	Smart IoT enabled interactive self-powered security tag designed with functionalized paper. <i>Nano Energy</i> , 2022 , 95, 107021	17.1	1
205	Influence of paper surface characteristics on fully inkjet printed PEDOT:PSS-based electrochemical transistors. <i>Semiconductor Science and Technology</i> , 2021 , 36, 125005	1.8	2
204	Porous PDMS conformable coating for high power output carbon fibers/ZnO nanorod-based triboelectric energy harvesters. <i>Nano Energy</i> , 2021 , 90, 106582	17.1	2
203	Particle Characteristics Influence on FLASH Sintering of Potassium Sodium Niobate: A Relationship with Conduction Mechanisms. <i>Materials</i> , 2021 , 14,	3.5	1
202	Ionic Conductive Cellulose Mats by Solution Blow Spinning as Substrate and a Dielectric Interstrate Layer for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26237-26246	9.5	6
201	UV-Responsive Screen-Printed Porous ZnO Nanostructures on Office Paper for Sustainable and Foldable Electronics. <i>Chemosensors</i> , 2021 , 9, 192	4	2
200	Tuning the Electrical Properties of Cellulose Nanocrystals through Laser-Induced Graphitization for UV Photodetectors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8262-8272	5.6	6
199	43.1: Invited Paper: Functional Oxides to serve the Electronics Challenges of the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 537-538	0.5	
198	Combining Soft with Hard Condensed Matter for Circular Polarized Light Sensing and Logic Operations. <i>Advanced Optical Materials</i> , 2021 , 9, 2001731	8.1	0
197	Fast and Low-Cost Synthesis of MoS ₂ Nanostructures on Paper Substrates for Near-Infrared Photodetectors. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1234	2.6	4
196	Reusable and highly sensitive SERS immunoassay utilizing gold nanostars and a cellulose hydrogel-based platform. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7516-7529	7.3	5
195	Healable Cellulose Iontronic Hydrogel Stickers for Sustainable Electronics on Paper. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001166	6.4	6
194	Flexible, scalable, and efficient thermoelectric touch detector based on PDMS and graphite flakes. <i>Flexible and Printed Electronics</i> , 2021 , 6, 045018	3.1	0
193	Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3730-3739	7.1	10
192	Ionically Modified Cellulose Nanocrystal Self-Assembled Films with a Mesoporous Twisted Superstructure: Polarizability and Application in Ion-Gated Transistors. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 426-436	4	7
191	Touch-Interactive Flexible Sustainable Energy Harvester and Self-Powered Smart Card. <i>Advanced Functional Materials</i> , 2020 , 30, 1908994	15.6	12

190	Modelling the particle contact influence on the Joule heating and temperature distribution during FLASH sintering. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1205-1211	6	9
189	The Role of Particle Contact in Densification of FLASH Sintered Potassium Sodium Niobate. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3720-3728	2.3	2
188	Cellulose-Based Solid Electrolyte Membranes Through Microwave Assisted Regeneration and Application in Electrochromic Displays. <i>Frontiers in Materials</i> , 2020 , 7,	4	3
187	Sustainable Fully Printed UV Sensors on Cork Using Zinc Oxide/Ethylcellulose Inks. <i>Micromachines</i> , 2019 , 10,	3.3	12
186	Role of Structure and Composition on the Performances of P-Type Tin Oxide Thin-Film Transistors Processed at Low-Temperatures. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
185	Fully Printed Zinc Oxide Electrolyte-Gated Transistors on Paper. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
184	Influence of Post-UV/Ozone Treatment of Ultrasonic-Sprayed Zirconium Oxide Dielectric Films for a Low-Temperature Oxide Thin Film Transistor. <i>Materials</i> , 2019 , 13,	3.5	7
183	Mechanism of densification in low-temperature FLASH sintered lead free potassium sodium niobate (KNN) piezoelectrics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14334-14341	7.1	15
182	Structural, optical, and electronic properties of metal oxide nanostructures 2019 , 59-102		4
181	Oxide nanoparticle hybrid materials and applications 2019 , 235-281		
180	Chromogenic applications 2019 , 103-147		2
179	Electronic applications of oxide nanostructures 2019 , 149-197		
178	Oxide materials for energy applications 2019 , 199-234		1
177	Conclusions and future perspectives 2019 , 283-295		
176	Synthesis, design, and morphology of metal oxide nanostructures 2019 , 21-57		21
175	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1805279	15.6	26
174	Influence of magnetron sputtering conditions on the chemical bonding, structural, morphological and optical behavior of Ta _{1-x} O _x coatings. <i>Surface and Coatings Technology</i> , 2018 , 334, 105-115	4.4	5
173	Dual-Gate Field Effect Transistors: Planar Dual-Gate Paper/Oxide Field Effect Transistors as Universal Logic Gates (Adv. Electron. Mater. 12/2018). <i>Advanced Electronic Materials</i> , 2018 , 4, 1870059	6.4	1

172	Planar Dual-Gate Paper/Oxide Field Effect Transistors as Universal Logic Gates. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800423	6.4	17
171	Papertronics: Multigate paper transistor for multifunction applications. <i>Applied Materials Today</i> , 2018 , 12, 402-414	6.6	48
170	High mobility hydrogenated zinc oxide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 163, 255-262		83
169	Printable cellulose-based electroconductive composites for sensing elements in paper electronics. <i>Flexible and Printed Electronics</i> , 2017 , 2, 014006	3.1	52
168	Handwritten Oxide Electronics on Paper. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700009	6.8	22
167	Reusable Cellulose-Based Hydrogel Sticker Film Applied as Gate Dielectric in Paper Electrolyte-Gated Transistors. <i>Advanced Functional Materials</i> , 2017 , 27, 1606755	15.6	66
166	Optoelectronics and Bio Devices on Paper Powered by Solar Cells 2017 ,		5
165	Flexible thin film solar cells on cellulose substrates with improved light management. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700070	1.6	16
164	Synthesis of WO ₃ nanoparticles for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 186-194	8.5	47
163	Photocatalytic behavior of TiO ₂ films synthesized by microwave irradiation. <i>Catalysis Today</i> , 2016 , 278, 262-270	5.3	30
162	Smart optically active VO ₂ nanostructured layers applied in roof-type ceramic tiles for energy efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 150, 1-9	6.4	42
161	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications 2016 , 783-818		
160	Optoelectronic Devices from Bacterial NanoCellulose 2016 , 179-197		14
159	Interpreting anomalies observed in oxide semiconductor TFTs under negative and positive bias stress. <i>AIP Advances</i> , 2016 , 6, 085321	1.5	16
158	Electrochemical Transistor Based on Tungsten Oxide with Optoelectronic Properties. <i>IFIP Advances in Information and Communication Technology</i> , 2016 , 542-550	0.5	
157	Solid State Electrochemical WO ₃ Transistors with High Current Modulation. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500414	6.4	17
156	Flexible and Transparent WO ₃ Transistor with Electrical and Optical Modulation. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500030	6.4	27
155	Thin Film Silicon Photovoltaic Cells on Paper for Flexible Indoor Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 3592-3598	15.6	86

154	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications 2015 , 1-29		
153	Tailoring nanoscale properties of tungsten oxide for inkjet printed electrochromic devices. <i>Nanoscale</i> , 2015 , 7, 1696-708	7.7	36
152	Engineered cellulose fibers as dielectric for oxide field effect transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 1421-1426		4
151	Solvothermal synthesis of gallium-indium-zinc-oxide nanoparticles for electrolyte-gated transistors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 638-46	9.5	28
150	Structure and Morphologic Influence of WO ₃ Nanoparticles on the Electrochromic Performance of Dual-Phase a-WO ₃ /WO ₃ Inkjet Printed Films. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400002	6.4	41
149	Towards environmental friendly solution-based ZTO/AlO _x TFTs. <i>Semiconductor Science and Technology</i> , 2015 , 30, 024007	1.8	39
148	Statistical mixture design and multivariate analysis of inkjet printed a-WO ₃ /TiO ₂ /WO _x electrochromic films. <i>ACS Combinatorial Science</i> , 2014 , 16, 5-16	3.9	21
147	Aqueous combustion synthesis of aluminum oxide thin films and application as gate dielectric in GZTO solution-based TFTs. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19592-9	9.5	99
146	The influence of fibril composition and dimension on the performance of paper gated oxide transistors. <i>Nanotechnology</i> , 2014 , 25, 094007	3.4	50
145	Electronic structure of amorphous ZnO films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1476-1480		16
144	WO ₃ nanoparticle-based conformable pH sensor. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12226-34	9.4	105
143	Electrochromic behavior of NiO thin films deposited by e-beam evaporation at room temperature. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 120, 109-115	6.4	88
142	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , 2014 , 25, 094008	3.4	180
141	The Future Is Paper Based. <i>Information Display</i> , 2014 , 30, 20-24	0.8	2
140	Preparation and characterization of cellulose nanocomposite hydrogels as functional electrolytes. <i>Solid State Ionics</i> , 2013 , 242, 26-32	3.3	16
139	29.4: Invited Paper: Paper Electronics: A Challenge for the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 365-367	0.5	2
138	Recyclable, Flexible, Low-Power Oxide Electronics. <i>Advanced Functional Materials</i> , 2013 , 23, 2153-2161	15.6	112
137	Study and Characterization of a Novel Polymer Electrolyte Based on Agar Doped with Magnesium Triflate. <i>Molecular Crystals and Liquid Crystals</i> , 2013 , 570, 1-11	0.5	20

136	Current transport mechanism at metal-semiconductor nanoscale interfaces based on ultrahigh density arrays of p-type NiO nano-pillars. <i>Nanoscale</i> , 2013 , 5, 11699-709	7-7	21
135	Gelatin/Zn(CF ₃ SO ₃) ₂ Polymer Electrolytes for Electrochromic Devices. <i>Electroanalysis</i> , 2013 , 25, 1483-1490		18
134	. <i>Journal of Display Technology</i> , 2013 , 9, 723-728		7
133	. <i>Journal of Display Technology</i> , 2013 , 9, 825-831		6
132	N-Type Transparent Semiconducting Oxides 2012 , 9-61		
131	P-Type Transparent Conductors and Semiconductors 2012 , 63-100		
130	P-type oxide-based thin film transistors produced at low temperatures 2012 ,		10
129	Multicomponent dielectrics for oxide TFT 2012 ,		1
128	Gate Dielectrics in Oxide Electronics 2012 , 101-153		
127	The (R)evolution of Thin-Film Transistors (TFTs) 2012 , 155-209		0
126	Electronics with and on Paper 2012 , 211-266		2
125	A Glance at Current and Upcoming Applications 2012 , 267-286		1
124	Microstructure control of dual-phase inkjet-printed a-WO ₃ /TiO ₂ /WO _x films for high-performance electrochromic applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13268		51
123	2012 ,		83
122	The effect of dopants on the morphology, microstructure and electrical properties of transparent zinc oxide films prepared by the sol-gel method. <i>Thin Solid Films</i> , 2011 , 520, 1174-1177	2-2	4
121	Role of Room Temperature Sputtered High Conductive and High Transparent Indium Zinc Oxide Film Contacts on the Performance of Orange, Green, and Blue Organic Light Emitting Diodes. <i>Plasma Processes and Polymers</i> , 2011 , 8, 340-345	3-4	24
120	Complementary metal oxide semiconductor technology with and on paper. <i>Advanced Materials</i> , 2011 , 23, 4491-6	24	201
119	The characterisation of aerosol assisted CVD conducting, photocatalytic indium doped zinc oxide films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 219, 10-15	4-7	33

118	Away from silicon era: the paper electronics 2011 ,		5
117	High Mobility a-IGO Films Produced at Room Temperature and Their Application in TFTs. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, H20		41
116	Insight on the SU-8 resist as passivation layer for transparent Ga ₂ O ₃ /In ₂ O ₃ /ZnO thin-film transistors. <i>Journal of Applied Physics</i> , 2010 , 108, 064505	2.5	76
115	Floating gate memory paper transistor 2010 ,		1
114	Nanostructured silicon based thin film transistors processed in the plasma dark region. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2938-43	1.3	
113	Oxide Semiconductors: From Materials to Devices 2010 , 141-183		2
112	Zinc oxide thin films: Characterization and potential applications. <i>Thin Solid Films</i> , 2010 , 518, 4515-4519	2.2	57
111	Texture development, microstructure and phase transformation characteristics of sputtered Ni/Ti Shape Memory Alloy films grown on TiN. <i>Thin Solid Films</i> , 2010 , 519, 122-128	2.2	19
110	Performance and Stability of Low Temperature Transparent Thin-Film Transistors Using Amorphous Multicomponent Dielectrics. <i>Journal of the Electrochemical Society</i> , 2009 , 156, H824	3.9	60
109	Room-Temperature Cosputtered HfO ₂ /Al ₂ O ₃ Multicomponent Gate Dielectrics. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, G65		21
108	Self-sustained n-type memory transistor devices based on natural cellulose paper fibers. <i>Journal of Information Display</i> , 2009 , 10, 149-157	4.1	4
107	Paper field effect transistor 2009 ,		3
106	Gate-bias stress in amorphous oxide semiconductors thin-film transistors. <i>Applied Physics Letters</i> , 2009 , 95, 063502	3.4	196
105	Nanostructured silicon and its application to solar cells, position sensors and thin film transistors. <i>Philosophical Magazine</i> , 2009 , 89, 2699-2721	1.6	49
104	Oxide semiconductors: Order within the disorder. <i>Philosophical Magazine</i> , 2009 , 89, 2741-2758	1.6	24
103	Texture Development and Phase Transformation Behavior of Sputtered Ni-Ti Films. <i>Journal of Materials Engineering and Performance</i> , 2009 , 18, 543-547	1.6	6
102	Zinc oxide, a multifunctional material: from material to device applications. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 197-205	2.6	130
101	Sputtered multicomponent amorphous dielectrics for transparent electronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2149-2154	1.6	16

100	Selective floating gate non-volatile paper memory transistor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 308-310	2.5	33
99	Toward High-Performance Amorphous GIZO TFTs. <i>Journal of the Electrochemical Society</i> , 2009 , 156, H1613-9	3.9	216
98	Polymer light-emitting diodes with amorphous indium-zinc oxide anodes deposited at room temperature. <i>Synthetic Metals</i> , 2009 , 159, 1112-1115	3.6	12
97	. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 954-960	2.9	169
96	High-Performance Flexible Hybrid Field-Effect Transistors Based on Cellulose Fiber Paper. <i>IEEE Electron Device Letters</i> , 2008 , 29, 988-990	4.4	219
95	Metal contamination detection in nickel induced crystallized silicon by spectroscopic ellipsometry. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2319-2323	3.9	1
94	Low temperature high k dielectric on poly-Si TFTs. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2534-2537	3.9	9
93	The Effect of Deposition Conditions and Annealing on the Performance of High-Mobility GIZO TFTs. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, H248		95
92	High mobility indium free amorphous oxide thin film transistors. <i>Applied Physics Letters</i> , 2008 , 92, 222103-4	3.4	193
91	Write-erase and read paper memory transistor. <i>Applied Physics Letters</i> , 2008 , 93, 203501	3.4	112
90	Optical and Microstructural Investigations of Porous Silicon Coated with a-Si:H Using PECVD Technique. <i>Materials Science Forum</i> , 2008 , 587-588, 308-312	0.4	
89	New Amorphous Oxide Semiconductor for Thin Film Transistors (TFTs). <i>Materials Science Forum</i> , 2008 , 587-588, 348-352	0.4	1
88	Characterization of Ni-Ti (Shape Memory Alloy) Thin Film by In Situ XRD and Complementary Ex Situ Techniques. <i>Materials Science Forum</i> , 2008 , 587-588, 672-676	0.4	
87	Crystallization of amorphous indium zinc oxide thin films produced by radio-frequency magnetron sputtering. <i>Thin Solid Films</i> , 2008 , 516, 1374-1376	2.2	41
86	Study of graded Ni-Ti shape memory alloy film growth on Si(100) substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 291-299	2.6	18
85	Study of environmental degradation of silver surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 1215-1218		10
84	Spectroscopic ellipsometry study of Co-doped TiO ₂ films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 880-883	1.6	10
83	The role of source and drain material in the performance of GIZO based thin-film transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1905-1909	1.6	29

82	Effect of post-annealing on the properties of copper oxide thin films obtained from the oxidation of evaporated metallic copper. <i>Applied Surface Science</i> , 2008 , 254, 3949-3954	6.7	187
81	Highly stable transparent and conducting gallium-doped zinc oxide thin films for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1605-1610	6.4	139
80	High mobility and low threshold voltage transparent thin film transistors based on amorphous indium zinc oxide semiconductors. <i>Solid-State Electronics</i> , 2008 , 52, 443-448	1.7	72
79	High k dielectrics for low temperature electronics. <i>Thin Solid Films</i> , 2008 , 516, 1544-1548	2.2	53
78	Electron transport in single and multicomponent n-type oxide semiconductors. <i>Thin Solid Films</i> , 2008 , 516, 1322-1325	2.2	23
77	Influence of post-annealing temperature on the properties exhibited by ITO, IZO and GZO thin films. <i>Thin Solid Films</i> , 2007 , 515, 8562-8566	2.2	122
76	Amorphous IZO TFTs with saturation mobilities exceeding 100 cm ² /Vs. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007 , 1, R34-R36	2.5	155
75	Role of order and disorder in covalent semiconductors and ionic oxides used to produce thin film transistors. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 37-42	2.6	40
74	In-situ study of Ni ₃ Si thin film growth on a TiN intermediate layer by X-ray diffraction. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 332-337	8.5	9
73	3 dimensional polymorphous silicon based metal-insulator-semiconductor position sensitive detectors. <i>Thin Solid Films</i> , 2007 , 515, 7530-7533	2.2	3
72	Effect of annealing temperature on the properties of IZO films and IZO based transparent TFTs. <i>Thin Solid Films</i> , 2007 , 515, 8450-8454	2.2	85
71	Role of order and disorder on the electronic performances of oxide semiconductor thin film transistors. <i>Journal of Applied Physics</i> , 2007 , 101, 044505	2.5	185
70	Influence of time, light and temperature on the electrical properties of zinc oxide TFTs. <i>Superlattices and Microstructures</i> , 2006 , 39, 319-327	2.8	29
69	Nickel-assisted metal-induced crystallization of silicon: Effect of native silicon oxide layer. <i>Thin Solid Films</i> , 2006 , 511-512, 275-279	2.2	8
68	Nanostructure characterization of high k materials by spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2006 , 253, 339-343	6.7	13
67	A Study on the Electrical Properties of ZnO Based Transparent TFTs. <i>Materials Science Forum</i> , 2006 , 514-516, 68-72	0.4	4
66	Poly-Si Thin Film Transistors: Effect of Metal Thickness on Silicon Crystallization. <i>Materials Science Forum</i> , 2006 , 514-516, 28-32	0.4	
65	Electrical Performances of Low Temperature Annealed Hafnium Oxide Deposited at Room Temperature. <i>Materials Science Forum</i> , 2006 , 514-516, 58-62	0.4	1

64	Characterization of Nickel Induced Crystallized Silicon by Spectroscopic Ellipsometry. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 6		
63	Multifunctional Thin Film Zinc Oxide Semiconductors: Application to Electronic Devices. <i>Materials Science Forum</i> , 2006 , 514-516, 3-7	0.4	6
62	Investigation of a-Si:H 1D MIS position sensitive detectors for application in 3D sensors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1787-1791	3.9	4
61	Impedance study of the electrical properties of poly-Si thin film transistors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1737-1740	3.9	3
60	Influence of the semiconductor thickness on the electrical properties of transparent TFTs based on indium zinc oxide. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1749-1752	3.9	183
59	Effect of UV and visible light radiation on the electrical performances of transparent TFTs based on amorphous indium zinc oxide. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1756-1760	3.9	76
58	Electron transport and optical characteristics in amorphous indium zinc oxide films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1471-1474	3.9	70
57	Study of nanostructured silicon by hydrogen evolution and its application in p ⁺ solar cells. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1945-1948	3.9	11
56	Spectroscopic ellipsometry study of nickel induced crystallization of a-Si. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1204-1208	3.9	7
55	Characterization of nanocrystalline silicon carbide films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1410-1415	3.9	15
54	Low temperature processed hafnium oxide: Structural and electrical properties. <i>Materials Science in Semiconductor Processing</i> , 2006 , 9, 1125-1132	4.3	26
53	The influence of a poly-Si intermediate layer on the crystallization behaviour of Ni-Ti SMA magnetron sputtered thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 83, 139-145	2.6	11
52	Flexible a-Si:H Position-Sensitive Detectors. <i>Proceedings of the IEEE</i> , 2005 , 93, 1281-1286	14.3	27
51	Super linear position sensitive detectors using MIS structures. <i>Optical Materials</i> , 2005 , 27, 1088-1092	3.3	10
50	Influence of the oxygen/argon ratio on the properties of sputtered hafnium oxide. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 118, 210-213	3.1	47
49	Influence of metal induced crystallization parameters on the performance of polycrystalline silicon thin film transistors. <i>Thin Solid Films</i> , 2005 , 487, 102-106	2.2	13
48	Recent advances in ZnO transparent thin film transistors. <i>Thin Solid Films</i> , 2005 , 487, 205-211	2.2	301
47	Polycrystalline intrinsic zinc oxide to be used in transparent electronic devices. <i>Thin Solid Films</i> , 2005 , 487, 212-215	2.2	43

46	Fully Transparent ZnO Thin-Film Transistor Produced at Room Temperature. <i>Advanced Materials</i> , 2005 , 17, 590-594	24	744
45	Linearity and sensitivity of MIS position sensitive detectors. <i>Journal of Materials Science</i> , 2005 , 40, 1377-1381	4.3	13
44	Metal induced crystallization: Gold versus aluminium. <i>Journal of Materials Science</i> , 2005 , 40, 1387-1391	4.3	9
43	Transport in high mobility amorphous wide band gap indium zinc oxide films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, R95-R97	1.6	103
42	Optimization of the metal/silicon ratio on nickel assisted crystallization of amorphous silicon. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 869, 251		3
41	Role of Substrate on the Growth Process of Polycrystalline Silicon Thin Films by Low-Pressure Chemical Vapour Deposition. <i>Materials Science Forum</i> , 2004 , 455-456, 112-115	0.4	
40	ZnO:Ga Thin Films Produced by RF Sputtering at Room Temperature: Effect of the Power Density. <i>Materials Science Forum</i> , 2004 , 455-456, 12-15	0.4	6
39	Effect of Annealing on Gold Rectifying Contacts in Amorphous Silicon. <i>Materials Science Forum</i> , 2004 , 455-456, 96-99	0.4	2
38	Sputtering Preparation of Silicon Nitride Thin Films for Gate Dielectric Applications. <i>Materials Science Forum</i> , 2004 , 455-456, 69-72	0.4	
37	Growth of Polymorphous/Nanocrystalline Silicon Films Deposited by PECVD at 13.56 MHz. <i>Materials Science Forum</i> , 2004 , 455-456, 532-535	0.4	1
36	Batch Processing Method to Deposit a-Si:H Films by PECVD. <i>Materials Science Forum</i> , 2004 , 455-456, 104-107	0.4	1
35	In-Situ GIXRD Characterization of the Crystallization of Ni-Ti Sputtered Thin Films. <i>Materials Science Forum</i> , 2004 , 455-456, 342-345	0.4	3
34	MIS Photodiodes of Polymorphous Silicon Deposited at Higher Growth Rates by 27.12 MHz PECVD Discharge. <i>Materials Science Forum</i> , 2004 , 455-456, 73-76	0.4	
33	Silicon Etching in CF ₄ /O ₂ and SF ₆ Atmospheres. <i>Materials Science Forum</i> , 2004 , 455-456, 120-123	0.4	
32	Polycrystalline silicon obtained by metal induced crystallization using different metals. <i>Thin Solid Films</i> , 2004 , 451-452, 334-339	2.2	32
31	High quality conductive gallium-doped zinc oxide films deposited at room temperature. <i>Thin Solid Films</i> , 2004 , 451-452, 443-447	2.2	92
30	Effect of the discharge frequency and impedance on the structural properties of polymorphous silicon. <i>Thin Solid Films</i> , 2004 , 451-452, 264-268	2.2	6
29	Influence of the deposition conditions on the properties of titanium oxide produced by r.f. magnetron sputtering. <i>Materials Science in Semiconductor Processing</i> , 2004 , 7, 243-247	4.3	10

28	New developments in gallium doped zinc oxide deposited on polymeric substrates by RF magnetron sputtering. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 20-25	4.4	51
27	Flexible position sensitive photodetectors based on a-Si:H heterostructures. <i>Sensors and Actuators A: Physical</i> , 2004 , 116, 119-124	3.9	3
26	Performances of hafnium oxide produced by radio frequency sputtering for gate dielectric application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 89-93	3.1	34
25	Polycrystalline silicon obtained by gold metal induced crystallization. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 178-182	3.9	18
24	Role of the rf frequency on the structure and composition of polymorphous silicon films. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 183-187	3.9	1
23	Characterization of the density of states of polymorphous silicon films produced at 13.56 and 27.12 MHz using CPM and SCLC techniques. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 206-210	3.9	9
22	Characterization of silicon carbide thin films prepared by VHF-PECVD technology. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 530-533	3.9	18
21	High field-effect mobility zinc oxide thin film transistors produced at room temperature. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 806-809	3.9	112
20	Effect of an interfacial oxide layer in the annealing behaviour of Au/a-Si:H MIS photodiodes. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 810-813	3.9	2
19	Wide-bandgap high-mobility ZnO thin-film transistors produced at room temperature. <i>Applied Physics Letters</i> , 2004 , 85, 2541-2543	3.4	455
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16	Growth of ZnO:Ga thin films at room temperature on polymeric substrates: thickness dependence. <i>Thin Solid Films</i> , 2003 , 442, 121-126	2.2	93
15	Potencial da técnica in vitro semi-automática de produção de gases para avaliação de silagens de sorgo (<i>Sorghum bicolor</i> (L.) Moench). <i>Revista Brasileira De Zootecnia</i> , 2003 , 32, 1013-1020	1.2	11
14	Correlation Between the Tunnelling Oxide and I-V Curves of MIS Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 762, 18161		
13	High quality a-Si:H films for MIS device applications. <i>Thin Solid Films</i> , 2002 , 403-404, 26-29	2.2	8
12	Dependence of the Strains and Residual Mechanical Stresses on the Performances Presented by a-Si:H Thin Film Position Sensors. <i>Advanced Engineering Materials</i> , 2002 , 4, 612-616	3.5	6
11	Role of the Density of States in the Colour Selection of the Collection Spectrum of Amorphous Silicon-Based Schottky Photodiodes. <i>Key Engineering Materials</i> , 2002 , 230-232, 559-562	0.4	

10	Role of the i-Layer Thickness in the Performance of a-Si:H Schottky Barrier Photodiodes. <i>Key Engineering Materials</i> , 2002 , 230-232, 587-590	0.4	
9	New insights on large area flexible position sensitive detectors. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1272-1276	3.9	25
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7	a-Si:H interface optimisation for thin film position sensitive detectors produced on polymeric substrates. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1289-1294	3.9	14
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