

# Rodrigo Martins

## List of Publications by Year in descending order

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654  
papers

25,155  
citations

8159

76  
h-index

12558

132  
g-index

670  
all docs

670  
docs citations

670  
times ranked

18846  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-enhanced Raman scattering paper-based analytical devices. , 2022, , 117-167.		1
2	UV-Assisted Annealing Effect on the Performance of an Electrolyte-Gated Transistor Based on Inkjet Printed ZnO Nanoparticles Blended With Zinc Nitrate. IEEE Transactions on Electron Devices, 2022, 69, 1538-1544.	1.6	5
3	Printed zinc tin oxide diodes: from combustion synthesis to large-scale manufacturing. Flexible and Printed Electronics, 2022, 7, 014005.	1.5	5
4	Emergent solution based IGZO memristor towards neuromorphic applications. Journal of Materials Chemistry C, 2022, 10, 1991-1998.	2.7	15
5	Tailoring the synaptic properties of a-IGZO memristors for artificial deep neural networks. APL Materials, 2022, 10, .	2.2	26
6	Green economy and waste management: An inevitable plan for materials science. Progress in Natural Science: Materials International, 2022, 32, 1-9.	1.8	59
7	Smart textile lighting/display system with multifunctional fibre devices for large scale smart home and IoT applications. Nature Communications, 2022, 13, 814.	5.8	80
8	Smart IoT enabled interactive self-powered security tag designed with functionalized paper. Nano Energy, 2022, 95, 107021.	8.2	10
9	Flexible nanostructured TiO <sub>2</sub> -based gas and UV sensors: a review. Discover Materials, 2022, 2, .	1.0	11
10	Visible Photoluminescent Zinc Oxide Nanorods for Label-Free Nonenzymatic Glucose Detection. ACS Applied Nano Materials, 2022, 5, 4386-4396.	2.4	7
11	Enhanced Fe-TiO <sub>2</sub> Solar Photocatalysts on Porous Platforms for Water Purification. Nanomaterials, 2022, 12, 1005.	1.9	13
12	Digital Microfluidics-Powered Real-Time Monitoring of Isothermal DNA Amplification of Cancer Biomarker. Biosensors, 2022, 12, 201.	2.3	9
13	Tailoring the Interface in High Performance Planar Perovskite Solar Cell by ZnOS Thin Film. ACS Applied Energy Materials, 2022, 5, 5680-5690.	2.5	9
14	Composites Based on PDMS and Graphite Flakes for Thermoelectric Sensing Applications. , 2022, 8, .		0
15	Solution Combustion Synthesis of Hafnium-Doped Indium Oxide Thin Films for Transparent Conductors. Nanomaterials, 2022, 12, 2167.	1.9	3
16	Microwave-Assisted Synthesis of Zn <sub>2</sub> SnO <sub>4</sub> Nanostructures for Photodegradation of Rhodamine B under UV and Sunlight. Nanomaterials, 2022, 12, 2119.	1.9	5
17	Photonic-Structured Perovskite Solar Cells: Detailed Optoelectronic Analysis. ACS Photonics, 2022, 9, 2408-2421.	3.2	9
18	Recent Progress in Solution-Based Metal Oxide Resistive Switching Devices. Advanced Materials, 2021, 33, e2004328.	11.1	99

#	ARTICLE	IF	CITATIONS
19	Discover Materials: the pathway to explore materials as activators of the challenges of the future. Discover Materials, 2021, 1, 1.	1.0	2
20	Paper Microfluidics and Tailored Gold Nanoparticles for Nonenzymatic, Colorimetric Multiplex Biomarker Detection. ACS Applied Materials & Interfaces, 2021, 13, 3576-3590.	4.0	56
21	High-performance wide bandgap perovskite solar cells fabricated in ambient high-humidity conditions. Materials Advances, 2021, 2, 6344-6355.	2.6	15
22	Optimization of ZnO Nanorods Concentration in a Micro-Structured Polymeric Composite for Nanogenerators. Chemosensors, 2021, 9, 27.	1.8	10
23	Shape Effect of Zinc-Tin Oxide Nanostructures on Photodegradation of Methylene Blue and Rhodamine B under UV and Visible Light. ACS Applied Nano Materials, 2021, 4, 1149-1161.	2.4	25
24	Laser-Induced Graphene from Paper for Mechanical Sensing. ACS Applied Materials & Interfaces, 2021, 13, 10210-10221.	4.0	115
25	Enhanced solar photocatalysis of TiO <sub>2</sub> nanoparticles and nanostructured thin films grown on paper. Nano Express, 2021, 2, 040002.	1.2	8
26	Cellulose: A Contribution for the Zero eWaste Challenge. Advanced Materials Technologies, 2021, 6, .	3.0	56
27	Towards Sustainable Crossbar Artificial Synapses with Zinc-Tin Oxide. Electronic Materials, 2021, 2, 105-115.	0.9	7
28	Metal Oxide-Based Photocatalytic Paper: A Green Alternative for Environmental Remediation. Catalysts, 2021, 11, 504.	1.6	43
29	Ionic Conductive Cellulose Mats by Solution Blow Spinning as Substrate and a Dielectric Interstrate Layer for Flexible Electronics. ACS Applied Materials & Interfaces, 2021, 13, 26237-26246.	4.0	16
30	Transparent and Flexible Electrocardiography Electrode Arrays Based on Silver Nanowire Networks for Neural Recordings. ACS Applied Nano Materials, 2021, 4, 5737-5747.	2.4	14
31	High UV and Sunlight Photocatalytic Performance of Porous ZnO Nanostructures Synthesized by a Facile and Fast Microwave Hydrothermal Method. Materials, 2021, 14, 2385.	1.3	41
32	Colloidal Lithography for Photovoltaics: An Attractive Route for Light Management. Nanomaterials, 2021, 11, 1665.	1.9	21
33	Microwave-Assisted Hydrothermal Synthesis of Zn <sub>2</sub> SnO <sub>4</sub> Nanostructures for Photocatalytic Dye Degradation. Materials Proceedings, 2021, 4, 92.	0.2	0
34	Ultrafast Microwave Synthesis of WO <sub>3</sub> Nanostructured Films for Solar Photocatalysis. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100196.	1.2	12
35	UV-Responsive Screen-Printed Porous ZnO Nanostructures on Office Paper for Sustainable and Foldable Electronics. Chemosensors, 2021, 9, 192.	1.8	8
36	Tuning the Electrical Properties of Cellulose Nanocrystals through Laser-Induced Graphitization for UV Photodetectors. ACS Applied Nano Materials, 2021, 4, 8262-8272.	2.4	23

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37	43.1: Invited Paper: Functional Oxides to serve the Electronics Challenges of the Future. Digest of Technical Papers SID International Symposium, 2021, 52, 537-538.	0.1	0
38	Handwritten and Sustainable Electronic Logic Circuits with Fully Printed Paper Transistors. Advanced Materials Technologies, 2021, 6, 2100633.	3.0	10
39	Combining Soft with Hard Condensed Matter for Circular Polarized Light Sensing and Logic Operations. Advanced Optical Materials, 2021, 9, 2001731.	3.6	4
40	New strategies toward high-performance and low-temperature processing of solution-based metal oxide TFTs. , 2021, , 585-621.		4
41	Fast and Low-Cost Synthesis of MoS <sub>2</sub> Nanostructures on Paper Substrates for Near-Infrared Photodetectors. Applied Sciences (Switzerland), 2021, 11, 1234.	1.3	19
42	Reusable and highly sensitive SERS immunoassay utilizing gold nanostars and a cellulose hydrogel-based platform. Journal of Materials Chemistry B, 2021, 9, 7516-7529.	2.9	18
43	Healable Cellulose Iontronic Hydrogel Stickers for Sustainable Electronics on Paper. Advanced Electronic Materials, 2021, 7, 2001166.	2.6	14
44	Design and synthesis of low temperature printed metal oxide memristors. Journal of Materials Chemistry C, 2021, 9, 3911-3918.	2.7	17
45	E-skin Piezoresistive Pressure Sensor Combining Laser Engraving and Shrinking Polymeric Films for Health Monitoring Applications. Advanced Materials Interfaces, 2021, 8, 2100877.	1.9	3
46	Influence of paper surface characteristics on fully inkjet printed PEDOT:PSS-based electrochemical transistors. Semiconductor Science and Technology, 2021, 36, 125005.	1.0	11
47	Laser-Induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. Advanced Materials Interfaces, 2021, 8, 2101502.	1.9	48
48	Soft-Microstructured Transparent Electrodes for Photonic-Enhanced Flexible Solar Cells. Micro, 2021, 1, 215-227.	0.9	6
49	Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. ACS Omega, 2021, 6, 29268-29290.	1.6	40
50	Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> Multicomponent Dielectrics for Amorphous Oxide TFTs. Electronic Materials, 2021, 2, 1-16.	0.9	6
51	Materials as activator of future global science and technology challenges. Progress in Natural Science: Materials International, 2021, 31, 785-791.	1.8	9
52	Flexible, scalable, and efficient thermoelectric touch detector based on PDMS and graphite flakes. Flexible and Printed Electronics, 2021, 6, 045018.	1.5	4
53	Wave-optical front structures on silicon and perovskite thin-film solar cells. , 2020, , 315-354.		7
54	Ionically Modified Cellulose Nanocrystal Self-Assembled Films with a Mesoporous Twisted Superstructure: Polarizability and Application in Ion-Gated Transistors. ACS Applied Electronic Materials, 2020, 2, 426-436.	2.0	13

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55	Touch-Interactive Flexible Sustainable Energy Harvester and Self-Powered Smart Card. <i>Advanced Functional Materials</i> , 2020, 30, 1908994.	7.8	16
56	2D Resistive Switching Based on Amorphous Zinc-Tin Oxide Schottky Diodes. <i>Advanced Electronic Materials</i> , 2020, 6, 1900958.	2.6	15
57	Photonic-structured TCO front contacts yielding optical and electrically enhanced thin-film solar cells. <i>Solar Energy</i> , 2020, 196, 92-98.	2.9	17
58	Enhanced electrical and photocatalytic properties of porous TiO <sub>2</sub> thin films decorated with Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20753-20773.	1.1	14
59	Paper-Based In-Situ Gold Nanoparticle Synthesis for Colorimetric, Non-Enzymatic Glucose Level Determination. <i>Nanomaterials</i> , 2020, 10, 2027.	1.9	28
60	Toward Stable Solution-Processed High-Mobility p-Type Thin Film Transistors Based on Halide Perovskites. <i>ACS Nano</i> , 2020, 14, 14790-14797.	7.3	42
61	Transduction Mechanisms, Micro-Structuring Techniques, and Applications of Electronic Skin Pressure Sensors: A Review of Recent Advances. <i>Sensors</i> , 2020, 20, 4407.	2.1	35
62	Noble-Metal-Free Memristive Devices Based on IGZO for Neuromorphic Applications. <i>Advanced Electronic Materials</i> , 2020, 6, 2000242.	2.6	35
63	Frontispiece: Solution Combustion Synthesis: Towards a Sustainable Approach for Metal Oxides. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	3
64	Solar Cells: Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene-C (Adv. Mater.) Tj ETQq0,0 0 rgBT <sub>2</sub> /Overlock	1.9	2
65	Cellulose-Based Solid Electrolyte Membranes Through Microwave Assisted Regeneration and Application in Electrochromic Displays. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	7
66	Solution Combustion Synthesis of Transparent Conducting Thin Films for Sustainable Photovoltaic Applications. <i>Sustainability</i> , 2020, 12, 10423.	1.6	12
67	Laser-Induced Graphene Piezoresistive Sensors Synthesized Directly on Cork Insoles for Gait Analysis. <i>Advanced Materials Technologies</i> , 2020, 5, 2000630.	3.0	53
68	Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for Î <sup>2</sup> -Amyloid. <i>ACS Omega</i> , 2020, 5, 12057-12066.	1.6	27
69	Design of wave-optical structured substrates for ultra-thin perovskite solar cells. <i>Applied Materials Today</i> , 2020, 20, 100720.	2.3	34
70	Non-enzymatic lab-on-paper devices for biosensing applications. <i>Comprehensive Analytical Chemistry</i> , 2020, , 189-237.	0.7	8
71	Low-Voltage High-Speed Ring Oscillator With a-InGaZnO TFTs. <i>IEEE Journal of the Electron Devices Society</i> , 2020, 8, 584-588.	1.2	11
72	Industrial Waste Residue Converted into Value-Added ZnO for Optoelectronic Applications. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1960-1969.	2.0	12

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73	Fast Prototyping Microfluidics: Integrating Droplet Digital Lamp for Absolute Quantification of Cancer Biomarkers. <i>Sensors</i> , 2020, 20, 1624.	2.1	19
74	Laser-Induced Graphene-Based Platforms for Dual Biorecognition of Molecules. <i>ACS Applied Nano Materials</i> , 2020, 3, 2795-2803.	2.4	43
75	Solution Combustion Synthesis: Towards a Sustainable Approach for Metal Oxides. <i>Chemistry - A European Journal</i> , 2020, 26, 9099-9125.	1.7	115
76	Piezoelectricity Enhancement of Nanogenerators Based on PDMS and ZnSnO <sub>3</sub> Nanowires through Microstructuration. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18421-18430.	4.0	63
77	TiO <sub>2</sub> Nanostructured Films for Electrochromic Paper Based-Devices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1200.	1.3	21
78	Rail-to-Rail Timing Signals Generation Using InGaZnO TFTs For Flexible X-Ray Detector. <i>IEEE Journal of the Electron Devices Society</i> , 2020, 8, 157-162.	1.2	17
79	ZnO nanostructures grown on ITO coated glass substrate by hybrid microwave-assisted hydrothermal method. <i>Optik</i> , 2020, 208, 164372.	1.4	14
80	Control of Eu Oxidation State in Y <sub>2</sub> O <sub>3</sub> :xSx:Eu Thin-Film Phosphors Prepared by Atomic Layer Deposition: A Structural and Photoluminescence Study. <i>Materials</i> , 2020, 13, 93.	1.3	5
81	Printed, Highly Stable Metal Oxide Thin-Film Transistors with Ultra-Thin High- $\epsilon_r$ Oxide Dielectric. <i>Advanced Electronic Materials</i> , 2020, 6, 1901071.	2.6	57
82	Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000264.	1.9	19
83	Laser induced ultrafast combustion synthesis of solution-based AlO <sub>x</sub> for thin film transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6176-6184.	2.7	22
84	Orientation dependence of electrical properties of polycrystalline Cu <sub>2</sub> O thin films. <i>Semiconductor Science and Technology</i> , 2020, 35, 075016.	1.0	3
85	Light trapping in solar cells: simple design rules to maximize absorption. <i>Optica</i> , 2020, 7, 1377.	4.8	51
86	Growth Mechanism of Seed-Layer Free ZnSnO <sub>3</sub> Nanowires: Effect of Physical Parameters. <i>Nanomaterials</i> , 2019, 9, 1002.	1.9	18
87	Label-Free Nanosensing Platform for Breast Cancer Exosome Profiling. <i>ACS Sensors</i> , 2019, 4, 2073-2083.	4.0	57
88	Mapping the space charge carrier dynamics in plasmon-based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19811-19819.	5.2	24
89	Hybrid (Ag)ZnO/Cs/PMMA nanocomposite thin films. <i>Journal of Alloys and Compounds</i> , 2019, 803, 922-933.	2.8	24
90	Design and Simple Assembly of Gold Nanostar Bioconjugates for Surface-Enhanced Raman Spectroscopy Immunoassays. <i>Nanomaterials</i> , 2019, 9, 1561.	1.9	19

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91	25.3: <i>Invited Paper:</i> Designing the Future with Sustainable Multifunctional Paper Platforms. Digest of Technical Papers SID International Symposium, 2019, 50, 253-254.	0.1	0
92	Editorial for the Special Issue "Characterization of Nanomaterials: Selected Papers from 6th Dresden Nanoanalysis Symposium". Nanomaterials, 2019, 9, 1527.	1.9	0
93	Tailoring IGZO Composition for Enhanced Fully Solution-Based Thin Film Transistors. Nanomaterials, 2019, 9, 1273.	1.9	46
94	Sustainable Fully Printed UV Sensors on Cork Using Zinc Oxide/Ethylcellulose Inks. Micromachines, 2019, 10, 601.	1.4	16
95	Sol-Gel Processed p-Type CuAlO <sub>2</sub> Semiconductor Thin Films and the Integration in Transistors. IEEE Transactions on Electron Devices, 2019, 66, 1458-1463.	1.6	26
96	Biowaste-derived carbon black applied to polyaniline-based high-performance supercapacitor microelectrodes: Sustainable materials for renewable energy applications. Electrochimica Acta, 2019, 316, 202-218.	2.6	45
97	All-Thin-Film Perovskite/CaSi Four-Terminal Tandems: Interlayer and Intermediate Contacts Optimization. ACS Applied Energy Materials, 2019, 2, 3979-3985.	2.5	18
98	Lightwave trapping in thin film solar cells with improved photonic-structured front contacts. Journal of Materials Chemistry C, 2019, 7, 6456-6464.	2.7	26
99	Oxide TFT Rectifiers on Flexible Substrates Operating at NFC Frequency Range. IEEE Journal of the Electron Devices Society, 2019, 7, 329-334.	1.2	20
100	Colloidal-structured metallic micro-grids: High performance transparent electrodes in the red and infrared range. Solar Energy Materials and Solar Cells, 2019, 197, 7-12.	3.0	15
101	Role of Structure and Composition on the Performances of P-Type Tin Oxide Thin-Film Transistors Processed at Low-Temperatures. Nanomaterials, 2019, 9, 320.	1.9	28
102	Optimum Luminescent Down-Shifting Properties for High Efficiency and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2930-2938.	2.5	41
103	E-Skin Bimodal Sensors for Robotics and Prosthesis Using PDMS Molds Engraved by Laser. Sensors, 2019, 19, 899.	2.1	26
104	Paper-Based Nanoplatfoms for Multifunctional Applications. Journal of Nanomaterials, 2019, 2019, 1-16.	1.5	18
105	Human-motion interactive energy harvester based on polyaniline functionalized textile fibers following metal/polymer mechano-responsive charge transfer mechanism. Nano Energy, 2019, 60, 794-801.	8.2	19
106	Photonic-structured TiO <sub>2</sub> for high-efficiency, flexible and stable Perovskite solar cells. Nano Energy, 2019, 59, 91-101.	8.2	100
107	Fully Printed Zinc Oxide Electrolyte-Gated Transistors on Paper. Nanomaterials, 2019, 9, 169.	1.9	33
108	Multi-Level Cell Properties of a Bilayer Cu <sub>2</sub> O/Al <sub>2</sub> O <sub>3</sub> Resistive Switching Device. Nanomaterials, 2019, 9, 289.	1.9	22

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109	Ultrafast Low-Temperature Crystallization of Solar Cell Graded Formamidinium-Cesium Mixed-Cation Lead Mixed-Halide Perovskites Using a Reproducible Microwave-Based Process. ACS Applied Energy Materials, 2019, 2, 1844-1853.	2.5	20
110	Tailoring Upconversion and Morphology of Yb/Eu Doped Y2O3 Nanostructures by Acid Composition Mediation. Nanomaterials, 2019, 9, 234.	1.9	24
111	STEM materials: a new frontier for an intelligent sustainable world. BMC Materials, 2019, 1, .	6.8	2
112	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. Scientific Reports, 2019, 9, 17922.	1.6	38
113	Structural, optical, and electronic properties of metal oxide nanostructures. , 2019, , 59-102.		6
114	Oxide nanoparticle hybrid materials and applications. , 2019, , 235-281.		1
115	Chromogenic applications. , 2019, , 103-147.		3
116	Electronic applications of oxide nanostructures. , 2019, , 149-197.		0
117	Oxide materials for energy applications. , 2019, , 199-234.		1
118	Conclusions and future perspectives. , 2019, , 283-295.		0
119	Synthesis, design, and morphology of metal oxide nanostructures. , 2019, , 21-57.		32
120	Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. Biosensors and Bioelectronics, 2019, 124-125, 167-175.	5.3	135
121	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. Advanced Functional Materials, 2019, 29, 1805279.	7.8	48
122	Photovoltaics: Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer (Adv. Mater. Interfaces 2/2018). Advanced Materials Interfaces, 2018, 5, 1870007.	1.9	2
123	Multifunctional cellulose-paper for light harvesting and smart sensing applications. Journal of Materials Chemistry C, 2018, 6, 3143-3181.	2.7	147
124	Nontoxic, Eco-friendly Fully Water-Induced Ternary Zr-Gd-O Dielectric for High-Performance Transistors and Unipolar Inverters. Advanced Electronic Materials, 2018, 4, 1800100.	2.6	62
125	Multifunctional microfluidic chip for optical nanoprobe based RNA detection – application to Chronic Myeloid Leukemia. Scientific Reports, 2018, 8, 381.	1.6	21
126	Light-induced current mapping in oxide based solar cells with nanoscale resolution. Solar Energy Materials and Solar Cells, 2018, 176, 310-317.	3.0	5



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127	Green Nanotechnology: Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection (Adv. Sustainable Syst. 1/2018). Advanced Sustainable Systems, 2018, 2, 1870002.	2.7	1
128	Optimal-Enhanced Solar Cell Ultra-thinning with Broadband Nanophotonic Light Capture. IScience, 2018, 3, 238-254.	1.9	35
129	Draw Spinning of Waferâ€“Scale Oxide Fibers for Electronic Devices. Advanced Electronic Materials, 2018, 4, 1700644.	2.6	13
130	Efficient coverage of ZnO nanoparticles on cotton fibres for antibacterial finishing using a rapid and low cost <i>in situ</i> synthesis. New Journal of Chemistry, 2018, 42, 1052-1060.	1.4	78
131	Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection. Advanced Sustainable Systems, 2018, 2, 1700137.	2.7	4
132	Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer. Advanced Materials Interfaces, 2018, 5, 1701101.	1.9	50
133	Laserâ€“Induced Graphene Strain Sensors Produced by Ultraviolet Irradiation of Polyimide. Advanced Functional Materials, 2018, 28, 1805271.	7.8	228
134	Ultra-fast plasmonic back reflectors production for light trapping in thin Si solar cells. Solar Energy, 2018, 174, 786-792.	2.9	26
135	Laser-induced electrodes towards low-cost flexible UV ZnO sensors. Flexible and Printed Electronics, 2018, 3, 044002.	1.5	37
136	Planar Dualâ€“Gate Paper/Oxide Field Effect Transistors as Universal Logic Gates. Advanced Electronic Materials, 2018, 4, 1800423.	2.6	25
137	High performance electronic devices based on nanofibers <i>via</i> a crosslinking welding process. Nanoscale, 2018, 10, 19427-19434.	2.8	15
138	Visualization of nanocrystalline CuO in the grain boundaries of Cu <sub>2</sub> O thin films and effect on band bending and film resistivity. APL Materials, 2018, 6, .	2.2	36
139	Papertronics: Multigate paper transistor for multifunction applications. Applied Materials Today, 2018, 12, 402-414.	2.3	68
140	A Sustainable Approach to Flexible Electronics with Zincâ€“Tin Oxide Thinâ€“Film Transistors. Advanced Electronic Materials, 2018, 4, 1800032.	2.6	76
141	Passive radiofrequency x-ray dosimeter tag based on flexible radiation-sensitive oxide field-effect transistor. Science Advances, 2018, 4, eaat1825.	4.7	30
142	Boosting highly transparent and conducting indium zinc oxide thin films through solution combustion synthesis: influence of rapid thermal annealing. Semiconductor Science and Technology, 2018, 33, 105004.	1.0	10
143	High-Gain Transimpedance Amplifier for Flexible Radiation Dosimetry Using InGaZnO TFTs. IEEE Journal of the Electron Devices Society, 2018, 6, 760-765.	1.2	31
144	Seed-Layer Free Zinc Tin Oxide Tailored Nanostructures for Nanoelectronic Applications: Effect of Chemical Parameters. ACS Applied Nano Materials, 2018, 1, 3986-3997.	2.4	22

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145	Electronic Devices Based on Oxide Thin Films Fabricated by Fiber-to-Film Process. ACS Applied Materials & Interfaces, 2018, 10, 18057-18065.	4.0	14
146	Fully solution-induced high performance indium oxide thin film transistors with ZrO <sub>x</sub> high-k gate dielectrics. RSC Advances, 2018, 8, 16788-16799.	1.7	49
147	Paper electronics: a sustainable multifunctional platform. , 2018, , .		0
148	Critical role of a double-layer configuration in solution-based unipolar resistive switching memories. Nanotechnology, 2018, 29, 345206.	1.3	21
149	Piezoresistive E-skin Sensors Produced with Laser Engraved Molds. Advanced Electronic Materials, 2018, 4, 1800182.	2.6	56
150	Solution based zinc tin oxide TFTs: the dual role of the organic solvent. Journal Physics D: Applied Physics, 2017, 50, 065106.	1.3	28
151	Syngas production by electrochemical CO <sub>2</sub> reduction in an ionic liquid based-electrolyte. Journal of CO <sub>2</sub> Utilization, 2017, 18, 62-72.	3.3	52
152	Redox Chloride Elimination Reaction: Facile Solution Route for Indium-Free, Low-Voltage, and High-Performance Transistors. Advanced Electronic Materials, 2017, 3, 1600513.	2.6	66
153	A statistics modeling approach for the optimization of thin film photovoltaic devices. Solar Energy, 2017, 144, 232-243.	2.9	13
154	Quantitative real-time monitoring of RCA amplification of cancer biomarkers mediated by a flexible ion sensitive platform. Biosensors and Bioelectronics, 2017, 91, 788-795.	5.3	12
155	In situ one-step synthesis of p-type copper oxide for low-temperature, solution-processed thin-film transistors. Journal of Materials Chemistry C, 2017, 5, 2524-2530.	2.7	70
156	Energy band alignment at the nanoscale. Applied Physics Letters, 2017, 110, 051603.	1.5	3
157	Handwritten Oxide Electronics on Paper. Advanced Materials Technologies, 2017, 2, 1700009.	3.0	24
158	Office paper decorated with silver nanostars - an alternative cost effective platform for trace analyte detection by SERS. Scientific Reports, 2017, 7, 2480.	1.6	86
159	Direct growth of plasmonic nanorod forests on paper substrates for low-cost flexible 3D SERS platforms. Flexible and Printed Electronics, 2017, 2, 014001.	1.5	46
160	Energy-dependent relaxation time in quaternary amorphous oxide semiconductors probed by gated Hall effect measurements. Physical Review B, 2017, 95, .	1.1	10
161	Reusable Cellulose-Based Hydrogel Sticker Film Applied as Gate Dielectric in Paper Electrolyte-Gated Transistors. Advanced Functional Materials, 2017, 27, 1606755.	7.8	90
162	Oxide-Based Solar Cell: Impact of Layer Thicknesses on the Device Performance. ACS Combinatorial Science, 2017, 19, 113-120.	3.8	21

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163	“Electrotyping” on a Carbon Nanoparticles-Filled Polymeric Film using Conducting Atomic Force Microscopy. <i>Advanced Materials</i> , 2017, 29, 1703079.	11.1	11
164	Boosting Electrical Performance of High- $\kappa$ Nanomultilayer Dielectrics and Electronic Devices by Combining Solution Combustion Synthesis and UV Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40428-40437.	4.0	53
165	Imaging the Anomalous Charge Distribution Inside CsPbBr <sub>3</sub> Perovskite Quantum Dots Sensitized Solar Cells. <i>ACS Nano</i> , 2017, 11, 10214-10221.	7.3	103
166	Low-temperature spray-coating of high-performing ZnO:Al films for transparent electronics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 127, 299-308.	2.6	26
167	Solution Combustion Synthesis: Low-Temperature Processing for p-Type Cu:NiO Thin Films for Transparent Electronics. <i>Advanced Materials</i> , 2017, 29, 1701599.	11.1	145
168	Memristors Using Solution-Based IGZO Nanoparticles. <i>ACS Omega</i> , 2017, 2, 8366-8372.	1.6	38
169	Colloidal-lithographed TiO <sub>2</sub> photonic nanostructures for solar cell light trapping. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6852-6861.	2.7	41
170	Ultra-Fast Microwave Synthesis of ZnO Nanorods on Cellulose Substrates for UV Sensor Applications. <i>Materials</i> , 2017, 10, 1308.	1.3	65
171	Photocatalytic TiO <sub>2</sub> Nanorod Spheres and Arrays Compatible with Flexible Applications. <i>Catalysts</i> , 2017, 7, 60.	1.6	58
172	Bias Stress and Temperature Impact on InGaZnO TFTs and Circuits. <i>Materials</i> , 2017, 10, 680.	1.3	23
173	3D ZnO/Ag Surface-Enhanced Raman Scattering on Disposable and Flexible Cardboard Platforms. <i>Materials</i> , 2017, 10, 1351.	1.3	40
174	Digital Microfluidics for Nucleic Acid Amplification. <i>Sensors</i> , 2017, 17, 1495.	2.1	47
175	A Digital Microfluidics Platform for Loop-Mediated Isothermal Amplification Detection. <i>Sensors</i> , 2017, 17, 2616.	2.1	34
176	Solution Combustion Synthesis: Applications in Oxide Electronics. , 2016, , .		1
177	Microwave Synthesized ZnO Nanorod Arrays for UV Sensors: A Seed Layer Annealing Temperature Study. <i>Materials</i> , 2016, 9, 299.	1.3	83
178	Hybrid Microfluidic Platform for Multifactorial Analysis Based on Electrical Impedance, Refractometry, Optical Absorption and Fluorescence. <i>Micromachines</i> , 2016, 7, 181.	1.4	6
179	Optoelectronic Devices from Bacterial NanoCellulose. , 2016, , 179-197.		17
180	Transistors: Solid State Electrochemical WO <sub>3</sub> Transistors with High Current Modulation ( <i>Adv. Electron. Mater.</i> 9/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	2.6	1

#	ARTICLE	IF	CITATIONS
181	Basic analog and digital circuits with a-IGZO TFTs. , 2016, , .		5
182	Stress Induced Mechano-electrical Writing-Reading of Polymer Film Powered by Contact Electrification Mechanism. Scientific Reports, 2016, 6, 19514.	1.6	20
183	Hole mobility modulation of solution-processed nickel oxide thin-film transistor based on high-k dielectric. Applied Physics Letters, 2016, 108, .	1.5	122
184	Highly conductive grain boundaries in copper oxide thin films. Journal of Applied Physics, 2016, 119, .	1.1	20
185	Solution-processed high-k magnesium oxide dielectrics for low-voltage oxide thin-film transistors. Applied Physics Letters, 2016, 109, .	1.5	53
186	Interpreting anomalies observed in oxide semiconductor TFTs under negative and positive bias stress. AIP Advances, 2016, 6, .	0.6	21
187	Improving positive and negative bias illumination stress stability in parylene passivated IGZO transistors. Applied Physics Letters, 2016, 109, .	1.5	58
188	Eco-friendly, solution-processed In-W-O thin films and their applications in low-voltage, high-performance transistors. Journal of Materials Chemistry C, 2016, 4, 4478-4484.	2.7	45
189	Mapping the Electrical Properties of ZnO-Based Transparent Conductive Oxides Grown at Room Temperature and Improved by Controlled Postdeposition Annealing. Advanced Electronic Materials, 2016, 2, 1500287.	2.6	64
190	Electrochemical Transistor Based on Tungsten Oxide with Optoelectronic Properties. IFIP Advances in Information and Communication Technology, 2016, , 542-550.	0.5	0
191	Design of optimized wave-optical spheroidal nanostructures for photonic-enhanced solar cells. Nano Energy, 2016, 26, 286-296.	8.2	60
192	Influence of Channel Length Scaling on InGaZnO TFTs Characteristics: Unity Current-Gain Cutoff Frequency, Intrinsic Voltage-Gain, and On-Resistance. Journal of Display Technology, 2016, 12, 515-518.	1.3	34
193	Substrate reactivity as the origin of Fermi level pinning at the Cu <sub>2</sub> O/ALD-Al <sub>2</sub> O <sub>3</sub> interface. Materials Research Express, 2016, 3, 046404.	0.8	8
194	High-mobility p-type NiO <sub>x</sub> thin-film transistors processed at low temperatures with Al <sub>2</sub> O <sub>3</sub> high-k dielectric. Journal of Materials Chemistry C, 2016, 4, 9438-9444.	2.7	82
195	A compact model and direct parameters extraction techniques For amorphous gallium-indium-zinc-oxide thin film transistors. Solid-State Electronics, 2016, 126, 81-86.	0.8	24
196	A path to renewable Mg reduction from MgO by a continuous-wave Cr:Nd:YAG ceramic solar laser. Solar Energy Materials and Solar Cells, 2016, 155, 430-435.	3.0	21
197	Influence of post-deposition annealing on electrical and optical properties of ZnO-based TCOs deposited at room temperature. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2317-2328.	0.8	26
198	Solid State Electrochemical WO <sub>3</sub> Transistors with High Current Modulation. Advanced Electronic Materials, 2016, 2, 1500414.	2.6	24

#	ARTICLE	IF	CITATIONS
199	Influence of the Substrate on the Morphology of Self-Assembled Silver Nanoparticles by Rapid Thermal Annealing. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18235-18242.	1.5	47
200	Solution-Processed Alkaline Lithium Oxide Dielectrics for Applications in n- and p-Type Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1600140.	2.6	45
201	Low-temperature, nontoxic water-induced high-k zirconium oxide dielectrics for low-voltage, high-performance oxide thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10715-10721.	2.7	87
202	Novel linear analog-adder using a-IGZO TFTs. , 2016, , .		0
203	UV-Mediated Photochemical Treatment for Low-Temperature Oxide-Based Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31100-31108.	4.0	61
204	Radiation-Tolerant Flexible Large-Area Electronics Based on Oxide Semiconductors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500489.	2.6	41
205	Observation of Space Charge Dynamics Inside an All Oxide Based Solar Cell. <i>ACS Nano</i> , 2016, 10, 6139-6146.	7.3	16
206	InGaZnO TFT behavioral model for IC design. <i>Analog Integrated Circuits and Signal Processing</i> , 2016, 87, 73-80.	0.9	20
207	Effect of Mg doping on Cu <sub>2</sub> O thin films and their behavior on the TiO <sub>2</sub> /Cu <sub>2</sub> O heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 147, 27-36.	3.0	73
208	InGaZnO Thin-Film-Transistor-Based Four-Quadrant High-Gain Analog Multiplier on Glass. <i>IEEE Electron Device Letters</i> , 2016, 37, 419-421.	2.2	12
209	Synthesis of WO <sub>3</sub> nanoparticles for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 186-194.	4.0	71
210	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications. , 2016, , 783-818.		0
211	Operational stability of solution based zinc tin oxide/SiO <sub>2</sub> thin film transistors under gate bias stress. <i>APL Materials</i> , 2015, 3, 062804.	2.2	10
212	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.	0.8	7
213	Water-Induced Scandium Oxide Dielectric for Low-Operating Voltage n- and p-Type Metal-Oxide Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2015, 25, 7180-7188.	7.8	147
214	Simulated and Real Sheet-of-Light 3D Object Scanning Using a-Si:H Thin Film PSD Arrays. <i>Sensors</i> , 2015, 15, 29938-29949.	2.1	2
215	Effect of solvents on ZnO nanostructures synthesized by solvothermal method assisted by microwave radiation: a photocatalytic study. <i>Journal of Materials Science</i> , 2015, 50, 5777-5787.	1.7	105
216	Analog Circuits With High-Gain Topologies Using a-GIZO TFTs on Glass. <i>Journal of Display Technology</i> , 2015, 11, 547-553.	1.3	34

#	ARTICLE	IF	CITATIONS
217	A combination of solution synthesis & solution combustion synthesis for highly conducting and transparent Aluminum Zinc Oxide thin films. , 2015, , .		1
218	a-GZO TFT neural modeling, circuit simulation and validation. Solid-State Electronics, 2015, 105, 30-36.	0.8	11
219	Solvothermal Synthesis of Gallium-Indium-Zinc-Oxide Nanoparticles for Electrolyte-Gated Transistors. ACS Applied Materials & Interfaces, 2015, 7, 638-646.	4.0	35
220	One-step synthesis of ZnO decorated CNT buckypaper composites and their optical and electrical properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 195, 38-44.	1.7	23
221	Structure and Morphologic Influence of WO <sub>3</sub> Nanoparticles on the Electrochromic Performance of Dual-Phase WO <sub>3</sub> /WO <sub>3</sub> Inkjet Printed Films. Advanced Electronic Materials, 2015, 1, 1400002.	2.6	55
222	Towards environmental friendly solution-based ZTO/AIO <sub>x</sub> TFTs. Semiconductor Science and Technology, 2015, 30, 024007.	1.0	46
223	Broadband light trapping in thin film solar cells with self-organized plasmonic nano-colloids. Nanotechnology, 2015, 26, 135202.	1.3	51
224	Corrosion resistance analysis of aluminium-doped zinc oxide layers deposited by pulsed magnetron sputtering. Thin Solid Films, 2015, 594, 256-260.	0.8	7
225	Solar cells for self-sustainable intelligent packaging. Journal of Materials Chemistry A, 2015, 3, 13226-13236.	5.2	27
226	A water-induced high-k yttrium oxide dielectric for fully-solution-processed oxide thin-film transistors. Current Applied Physics, 2015, 15, S75-S81.	1.1	47
227	Flexible and Transparent WO <sub>3</sub> Transistor with Electrical and Optical Modulation. Advanced Electronic Materials, 2015, 1, 1500030.	2.6	31
228	Thin Film Silicon Photovoltaic Cells on Paper for Flexible Indoor Applications. Advanced Functional Materials, 2015, 25, 3592-3598.	7.8	101
229	Single nucleotide polymorphism detection using gold nanopores and bio-microfluidic platform with embedded microlenses. Biotechnology and Bioengineering, 2015, 112, 1210-1219.	1.7	9
230	Nanocrystalline thin film silicon solar cells: A deeper look into p/i interface formation. Thin Solid Films, 2015, 591, 25-31.	0.8	15
231	Low-Temperature, Nontoxic Water-Induced Metal-Oxide Thin Films and Their Application in Thin-Film Transistors. Advanced Functional Materials, 2015, 25, 2564-2572.	7.8	161
232	Eco-friendly water-induced aluminum oxide dielectrics and their application in a hybrid metal oxide/polymer TFT. RSC Advances, 2015, 5, 86606-86613.	1.7	65
233	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications. , 2015, , 1-29.		0
234	Design of a robust general-purpose low-offset comparator based on IGZO thin-film transistors. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
235	Gravure printed sol-gel derived AlOOH hybrid nanocomposite thin films for printed electronics. Journal of Materials Chemistry C, 2015, 3, 1776-1786.	2.7	9
236	Down conversion photoluminescence on PVP/Ag-nanoparticles electrospun composite fibers. Optical Materials, 2015, 39, 278-281.	1.7	14
237	Efficient Field Emission from Vertically Aligned Cu <sub>2</sub> O<sub>1</sub>(111) Nanostructure Influenced by Oxygen Vacancy. Advanced Functional Materials, 2015, 25, 947-956.	7.8	42
238	Low-Voltage High-Stability InZnO Thin-Film Transistor Using Ultra-Thin Solution-Processed ZrO <sub>x</sub> Dielectric. Journal of Display Technology, 2015, 11, 541-546.	1.3	19
239	Room Temperature Synthesis of Cu <sub>2</sub> O Nanospheres: Optical Properties and Thermal Behavior. Microscopy and Microanalysis, 2015, 21, 108-119.	0.2	13
240	TiO <sub>2</sub> /Cu <sub>2</sub> O all-oxide heterojunction solar cells produced by spray pyrolysis. Solar Energy Materials and Solar Cells, 2015, 132, 549-556.	3.0	155
241	Tailoring nanoscale properties of tungsten oxide for inkjet printed electrochromic devices. Nanoscale, 2015, 7, 1696-1708.	2.8	41
242	The Future Is Paper Based. Information Display, 2014, 30, 20-24.	0.1	2
243	Evaluation of the optoelectronic properties and corrosion behavior of Al <sub>2</sub> O <sub>3</sub> -doped ZnO films prepared by dc pulsed magnetron sputtering. Journal Physics D: Applied Physics, 2014, 47, 485501.	1.3	3
244	Transparent Current Mirrors Using a-GIZO TFTs: Simulation with RBF Models and Fabrication. , 2014, , .		2
245	Contact Effects in Amorphous InGaZnO Thin Film Transistors. Journal of Display Technology, 2014, 10, 956-961.	1.3	25
246	Broadband photocurrent enhancement in a-Si:H solar cells with plasmonic back reflectors. Optics Express, 2014, 22, A1059.	1.7	60
247	High-performance fully amorphous bilayer metal-oxide thin film transistors using ultra-thin solution-processed ZrOx dielectric. Applied Physics Letters, 2014, 105, 113509.	1.5	98
248	Highly efficient nanoplasmonic SERS on cardboard packaging substrates. Nanotechnology, 2014, 25, 415202.	1.3	54
249	Ion sensing (EIS) real-time quantitative monitorization of isothermal DNA amplification. Biosensors and Bioelectronics, 2014, 52, 50-55.	5.3	37
250	Transparent aluminium zinc oxide thin films with enhanced thermoelectric properties. Journal of Materials Chemistry A, 2014, 2, 6649-6655.	5.2	97
251	Al-doped ZnO nanostructured powders by emulsion detonation synthesis - Improving materials for high quality sputtering targets manufacturing. Journal of the European Ceramic Society, 2014, 34, 2325-2338.	2.8	21
252	Ag and Sn Nanoparticles to Enhance the Near-Infrared Absorbance of a-Si:H Thin Films. Plasmonics, 2014, 9, 1015-1023.	1.8	18

#	ARTICLE	IF	CITATIONS
253	A low cost, safe, disposable, rapid and self-sustainable paper-based platform for diagnostic testing: lab-on-paper. <i>Nanotechnology</i> , 2014, 25, 094006.	1.3	193
254	Color sensing ability of an amorphous silicon position sensitive detector array system. <i>Sensors and Actuators A: Physical</i> , 2014, 205, 26-37.	2.0	3
255	Statistical Mixture Design and Multivariate Analysis of Inkjet Printed $\text{WO}_3/\text{TiO}_2/\text{WO}_3$ Electrochromic Films. <i>ACS Combinatorial Science</i> , 2014, 16, 5-16.	3.8	24
256	Aqueous Combustion Synthesis of Aluminum Oxide Thin Films and Application as Gate Dielectric in GZTO Solution-Based TFTs. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19592-19599.	4.0	107
257	The influence of fibril composition and dimension on the performance of paper gated oxide transistors. <i>Nanotechnology</i> , 2014, 25, 094007.	1.3	58
258	Fully Solution-Processed Low-Voltage Aqueous $\text{In}_2\text{O}_3$ Thin-Film Transistors Using an Ultrathin $\text{ZrO}_2$ Dielectric. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17364-17369.	4.0	166
259	Experimental optimization of a passive planar rhombic micromixer with obstacles for effective mixing in a short channel length. <i>RSC Advances</i> , 2014, 4, 56013-56025.	1.7	14
260	Nanostructured p-type $\text{CrV}_2\text{O}_5$ thin films with boosted thermoelectric properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6456-6462.	5.2	23
261	$\text{Cu}_2\text{O}$ polyhedral nanowires produced by microwave irradiation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6097.	2.7	39
262	Electronic structure of amorphous ZnO films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1476-1480.	0.8	17
263	$\text{WO}_3$ Nanoparticle-Based Conformable pH Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12226-12234.	4.0	140
264	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.	3.0	111
265	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , 2014, 25, 094008.	1.3	218
266	Synthesis of Long ZnO Nanorods under Microwave Irradiation or Conventional Heating. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14629-14639.	1.5	120
267	Strongly Photosensitive and Fluorescent F8T2 Electrospun Fibers. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 174-180.	1.7	6
268	Preparation and characterization of cellulose nanocomposite hydrogels as functional electrolytes. <i>Solid State Ionics</i> , 2013, 242, 26-32.	1.3	19
269	29.4: <i>Invited Paper</i> : Paper Electronics: A Challenge for the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 365-367.	0.1	4
270	Recyclable, Flexible, Low-Power Oxide Electronics. <i>Advanced Functional Materials</i> , 2013, 23, 2153-2161.	7.8	124



#	ARTICLE	IF	CITATIONS
271	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.	0.4	31
272	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.	2.8	24
273	p-Type $\text{Cu}_x\text{O}$ Thin-Film Transistors Produced by Thermal Oxidation. <i>Journal of Display Technology</i> , 2013, 9, 735-740.	1.3	34
274	Bio-microfluidic platform for gold nanoprobe based DNA detection application to Mycobacterium tuberculosis. <i>Biosensors and Bioelectronics</i> , 2013, 48, 87-93.	5.3	42
275	Extended-Gate ISFETs Based on Sputtered Amorphous Oxides. <i>Journal of Display Technology</i> , 2013, 9, 729-734.	1.3	16
276	Thermoelectric properties of V2O5 thin films deposited by thermal evaporation. <i>Applied Surface Science</i> , 2013, 282, 590-594.	3.1	71
277	Influence of the layer thickness in plasmonic gold nanoparticles produced by thermal evaporation. <i>Scientific Reports</i> , 2013, 3, 1469.	1.6	97
278	Gelatin $\text{Zn}(\text{CF}_3\text{SO}_2)_2$ Polymer Electrolytes for Electrochromic Devices. <i>Electroanalysis</i> , 2013, 25, 1483-1490.	1.5	22
279	Effect of substrate temperature on the properties of pyrolytically deposited nitrogen-doped zinc oxide thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 103-108.	1.7	5
280	Plastic Compatible Sputtered $\text{Ta}_2\text{O}_5$ Sensitive Layer for Oxide Semiconductor TFT Sensors. <i>Journal of Display Technology</i> , 2013, 9, 723-728.	1.3	8
281	Performances of Microcrystalline Zinc Tin Oxide Thin-Film Transistors Processed by Spray Pyrolysis. <i>Journal of Display Technology</i> , 2013, 9, 825-831.	1.3	6
282	Comparative study of transparent rectifying contacts on semiconducting oxide single crystals and amorphous thin films. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	22
283	A Review on $\text{Cu}_2\text{O}$ and $\text{CuI}$ -Based p-Type Semiconducting Transparent Oxide Materials: Promising Candidates for New Generation Oxide Based Electronics. <i>Reviews in Advanced Sciences and Engineering</i> , 2013, 2, 273-304.	0.6	107
284	Transparent Current Mirrors With a-GIZO TFTs: Neural Modeling, Simulation and Fabrication. <i>Journal of Display Technology</i> , 2013, 9, 1001-1006.	1.3	22
285	High-gain amplifier with n-type transistors. , 2013, , .		10
286	High-gain topologies for transparent electronics. , 2013, , .		7
287	Role of a disperse carbon interlayer on the performances of tandem a-Si solar cells. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 045009.	2.8	6
288	Uniform Arrays of ZnO 1D Nanostructures Grown on Al:ZnO Seeds Layers by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6701-6710.	0.9	3

#	ARTICLE	IF	CITATIONS
289	Foreword [Special Issue on the 8th International Thin-Film Transistor Conference (ITC 2012)]. Journal of Display Technology, 2013, 9, 687-687.	1.3	0
290	3D scanning characteristics of an amorphous silicon position sensitive detector array system. Optics Express, 2012, 20, 4583.	1.7	6
291	High mobility and visible-near infrared transparent titanium doped indium oxide thin films produced by spray pyrolysis. Thin Solid Films, 2012, 524, 268-271.	0.8	23
292	p-Type $\text{Cu}_x\text{O}$ Films Deposited at Room Temperature for Thin-Film Transistors. Journal of Display Technology, 2012, 8, 41-47.	1.3	28
293	Gold on paper-paper platform for Au-nanoprobe TB detection. Lab on A Chip, 2012, 12, 4802.	3.1	129
294	P-type oxide-based thin film transistors produced at low temperatures. , 2012, , .		12
295	Multicomponent dielectrics for oxide TFT. Proceedings of SPIE, 2012, , .	0.8	1
296	Multipliers with transparent a-GIZO TFTs using a neural model. , 2012, , .		2
297	Basic analog circuits with a-GIZO thin-film transistors: Modeling and simulation. , 2012, , .		11
298	Aluminum doped zinc oxide sputtering targets obtained from nanostructured powders: Processing and application. Journal of the European Ceramic Society, 2012, 32, 4381-4391.	2.8	57
299	Microstructure control of dual-phase inkjet-printed a-WO <sub>3</sub> /TiO <sub>2</sub> /WO <sub>x</sub> films for high-performance electrochromic applications. Journal of Materials Chemistry, 2012, 22, 13268.	6.7	62
300	The electronic transport mechanism in indium molybdenum oxide thin films RF sputtered at room temperature. Europhysics Letters, 2012, 97, 36002.	0.7	9
301	Amorphous Silicon Position Sensitive Detector Array for Fast 3-D Object Profiling. IEEE Sensors Journal, 2012, 12, 812-820.	2.4	11
302	Hydrogen plasma treatment of very thin p-type nanocrystalline Si films grown by RF-PECVD in the presence of B(CH <sub>3</sub> ) <sub>3</sub> . Science and Technology of Advanced Materials, 2012, 13, 045004.	2.8	12
303	Study of electrochromic devices with nanocomposites polymethacrylate hydroxyethylene resin based electrolyte. Polymers for Advanced Technologies, 2012, 23, 791-795.	1.6	15
304	Oxide Semiconductor Thin-Film Transistors: A Review of Recent Advances. Advanced Materials, 2012, 24, 2945-2986.	11.1	2,590
305	Sintering Behavior of Nano- and Micro-Sized $\text{ZnO}$ Powder Targets for rf Magnetron Sputtering Applications. Journal of the American Ceramic Society, 2012, 95, 204-210.	1.9	27
306	Investigation of O <sup>7+</sup> swift heavy ion irradiation on molybdenum doped indium oxide thin films. Radiation Physics and Chemistry, 2012, 81, 589-593.	1.4	16

#	ARTICLE	IF	CITATIONS
307	Modulations in effective work function of platinum gate electrode in metal-oxide-semiconductor devices. <i>Thin Solid Films</i> , 2012, 520, 4556-4558.	0.8	11
308	N-Type Oxide Semiconductor Thin-Film Transistors. <i>Springer Series in Materials Science</i> , 2012, , 435-476.	0.4	4
309	Thin-Film Transistors Based on Indium Molybdenum Oxide Semiconductor Layers Sputtered at Room Temperature. <i>IEEE Electron Device Letters</i> , 2011, 32, 1391-1393.	2.2	14
310	Environmental, Optical, and Electrical Stability Study of Solution-Processed Zincâ€“Tinâ€“Oxide Thin-Film Transistors. <i>Journal of Display Technology</i> , 2011, 7, 640-643.	1.3	24
311	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.	0.8	5
312	Role of Ga <sub>2</sub> O <sub>3</sub> â€“In <sub>2</sub> O <sub>3</sub> â€“ZnO channel composition on the electrical performance of thin-film transistors. <i>Materials Chemistry and Physics</i> , 2011, 131, 512-518.	2.0	134
313	Real-time monitoring of PCR amplification of proto-oncogene c-MYC using a Ta <sub>2</sub> O <sub>5</sub> electrolyteâ€“insulatorâ€“semiconductor sensor. <i>Biosensors and Bioelectronics</i> , 2011, 28, 44-49.	5.3	21
314	Silicon thin film solar cells on commercial tiles. <i>Energy and Environmental Science</i> , 2011, 4, 4620.	15.6	65
315	Where science fiction meets reality? With oxide semiconductors!. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 336-339.	1.2	52
316	Electronics with and on paper. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 332-335.	1.2	91
317	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.	1.6	30
318	Complementary Metal Oxide Semiconductor Technology With and On Paper. <i>Advanced Materials</i> , 2011, 23, 4491-4496.	11.1	235
319	Portable optoelectronic biosensing platform for identification of mycobacteria from the <i>Mycobacterium tuberculosis</i> complex. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2012-2017.	5.3	37
320	Thin and flexible bio-batteries made of electrospun cellulose-based membranes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2742-2745.	5.3	38
321	Solid-state paper batteries for controlling paper transistors. <i>Electrochimica Acta</i> , 2011, 56, 1099-1105.	2.6	35
322	Effects of O <sup>7+</sup> swift heavy ion irradiation on indium oxide thin films. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2011, 269, 1836-1840.	0.6	7
323	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.	2.0	39
324	Effect of Li <sup>3+</sup> heavy ion irradiation on the Mo doped In <sub>2</sub> O <sub>3</sub> thin films prepared by spray pyrolysis technique. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 085404.	1.3	12

#	ARTICLE	IF	CITATIONS
325	Away from silicon era: the paper electronics. Proceedings of SPIE, 2011, , .	0.8	6
326	Floating gate memory paper transistor. , 2010, , .		1
327	Nanostructured Silicon Based Thin Film Transistors Processed in the Plasma Dark Region. Journal of Nanoscience and Nanotechnology, 2010, 10, 2938-2943.	0.9	0
328	Influence of Deposition Pressure on N-doped ZnO Films by RF Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2010, 10, 2674-2678.	0.9	3
329	Inkjet printed and "doctor blade" TiO <sub>2</sub> photodetectors for DNA biosensors. Biosensors and Bioelectronics, 2010, 25, 1229-1234.	5.3	59
330	Zinc oxide thin films: Characterization and potential applications. Thin Solid Films, 2010, 518, 4515-4519.	0.8	66
331	Investigations on high visible to near infrared transparent and high mobility Mo doped In <sub>2</sub> O <sub>3</sub> thin films prepared by spray pyrolysis technique. Solar Energy Materials and Solar Cells, 2010, 94, 406-412.	3.0	68
332	Structural, optical and electrical properties of indium-molybdenum oxide thin films prepared by spray pyrolysis. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1554-1557.	0.8	4
333	Role of Trimethylboron to Silane Ratio on the Properties of p-Type Nanocrystalline Silicon Thin Film Deposited by Radio Frequency Plasma Enhanced Chemical Vapour Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 2547-2551.	0.9	5
334	High Mobility a-IGO Films Produced at Room Temperature and Their Application in TFTs. Electrochemical and Solid-State Letters, 2010, 13, H20.	2.2	52
335	Transparent p-type SnO <sub>x</sub> thin film transistors produced by reactive rf magnetron sputtering followed by low temperature annealing. Applied Physics Letters, 2010, 97, .	1.5	264
336	Zinc concentration dependence study of solution processed amorphous indium gallium zinc oxide thin film transistors using high-k dielectric. Applied Physics Letters, 2010, 97, .	1.5	70
337	Low-temperature processed Schottky-gated field-effect transistors based on amorphous gallium-indium-zinc-oxide thin films. Applied Physics Letters, 2010, 97, .	1.5	52
338	Micro Cantilever Movement Detection with an Amorphous Silicon Array of Position Sensitive Detectors. Sensors, 2010, 10, 8173-8184.	2.1	8
339	Self-Rechargeable Paper Thin-Film Batteries: Performance and Applications. Journal of Display Technology, 2010, 6, 332-335.	1.3	46
340	Thin-film transistors based on p-type Cu <sub>2</sub> O thin films produced at room temperature. Applied Physics Letters, 2010, 96, .	1.5	160
341	Low-temperature sputtered mixtures of high- $\epsilon_r$ and high bandgap dielectrics for GIZO TFTs. Journal of the Society for Information Display, 2010, 18, 762-772.	0.8	43
342	Influence of oxygen partial pressure on properties of N-doped ZnO films deposited by magnetron sputtering. Transactions of Nonferrous Metals Society of China, 2010, 20, 2326-2330.	1.7	1

#	ARTICLE	IF	CITATIONS
343	Insight on the SU-8 resist as passivation layer for transparent Ga <sub>2</sub> O <sub>3</sub> /In <sub>2</sub> O <sub>3</sub> /ZnO thin-film transistors. Journal of Applied Physics, 2010, 108, .	1.1	83
344	Spray deposited molybdenum doped indium oxide thin films with high near infrared transparency and carrier mobility. Applied Physics Letters, 2009, 94, 212101.	1.5	35
345	High near-infrared transparency and carrier mobility of Mo doped In <sub>2</sub> O <sub>3</sub> thin films for optoelectronics applications. Journal of Applied Physics, 2009, 106, .	1.1	22
346	Performance and Stability of Low Temperature Transparent Thin-Film Transistors Using Amorphous Multicomponent Dielectrics. Journal of the Electrochemical Society, 2009, 156, H824.	1.3	70
347	Room-Temperature Cosputtered HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Multicomponent Gate Dielectrics. Electrochemical and Solid-State Letters, 2009, 12, G65.	2.2	22
348	Self-sustained n-type memory transistor devices based on natural cellulose paper fibers. Journal of Information Display, 2009, 10, 149-157.	2.1	7
349	Paper field effect transistor. Proceedings of SPIE, 2009, , .	0.8	4
350	Intrinsic <math>n</math>-Type ZnO Films Deposited by rf Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2009, 9, 813-816.	0.9	7
351	Gate-bias stress in amorphous oxide semiconductors thin-film transistors. Applied Physics Letters, 2009, 95, .	1.5	213
352	From materials science to applications of amorphous, microcrystalline and nanocrystalline silicon and other semiconductors. Philosophical Magazine, 2009, 89, 2431-2434.	0.7	4
353	Nanostructured silicon and its application to solar cells, position sensors and thin film transistors. Philosophical Magazine, 2009, 89, 2699-2721.	0.7	53
354	Oxide semiconductors: Order within the disorder. Philosophical Magazine, 2009, 89, 2741-2758.	0.7	27
355	Zinc oxide, a multifunctional material: from material to device applications. Applied Physics A: Materials Science and Processing, 2009, 96, 197-205.	1.1	149
356	Indium molybdenum oxide thin films: A comparative study by two different RF sputtering systems. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2123-2127.	0.8	3
357	Electrical, structural and optical characterization of copper oxide thin films as a function of post annealing temperature. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2143-2148.	0.8	67
358	Sputtered multicomponent amorphous dielectrics for transparent electronics. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2149-2154.	0.8	18
359	Electrical, structural and optical properties of fluorine-doped zinc oxide thin films: Effect of the solution aging time. Thin Solid Films, 2009, 518, 1279-1282.	0.8	36
360	P-type ZnO thin film deposited by spray pyrolysis technique: The effect of solution concentration. Thin Solid Films, 2009, 518, 1149-1152.	0.8	67

#	ARTICLE	IF	CITATIONS
361	RF sputtered wide work function indium molybdenum oxide thin films for solar cell applications. <i>Solar Energy</i> , 2009, 83, 726-731.	2.9	26
362	High near-infrared transparent molybdenum-doped indium oxide thin films for nanocrystalline silicon solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 92-97.	3.0	80
363	Highly conductive p-type nanocrystalline silicon films deposited by RF-PECVD using silane and trimethylboron mixtures at high pressure. <i>Vacuum</i> , 2009, 83, 1253-1256.	1.6	31
364	Structural and optical properties of nitrogen doped ZnO films. <i>Vacuum</i> , 2009, 83, 1274-1278.	1.6	11
365	Selective floating gate non-volatile paper memory transistor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 308-310.	1.2	43
366	Toward High-Performance Amorphous GIZO TFTs. <i>Journal of the Electrochemical Society</i> , 2009, 156, H161.	1.3	235
367	Polymer light-emitting diodes with amorphous indium-zinc oxide anodes deposited at room temperature. <i>Synthetic Metals</i> , 2009, 159, 1112-1115.	2.1	15
368	Zinc oxide and related compounds: order within the disorder. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
369	Effect of annealing on the properties of N-doped ZnO films deposited by RF magnetron sputtering. <i>Applied Surface Science</i> , 2008, 254, 7178-7182.	3.1	27
370	Characterization of optoelectronic platform using an amorphous/nanocrystalline silicon biosensor for the specific identification of nucleic acid sequences based on gold nanoparticle probes. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 508-511.	4.0	8
371	Crystallization of amorphous indium zinc oxide thin films produced by radio-frequency magnetron sputtering. <i>Thin Solid Films</i> , 2008, 516, 1374-1376.	0.8	44
372	Study of environmental degradation of silver surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1215-1218.	0.8	10
373	Spectroscopic ellipsometry study of Co-doped TiO <sub>2</sub> films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 880-883.	0.8	11
374	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.	0.8	32
375	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.	3.1	226
376	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.	3.0	151
377	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.	0.8	79
378	Effect of annealing on molybdenum doped indium oxide thin films RF sputtered at room temperature. <i>Vacuum</i> , 2008, 82, 1489-1494.	1.6	7

#	ARTICLE	IF	CITATIONS
379	Influence of oxygen/argon pressure ratio on the morphology, optical and electrical properties of ITO thin films deposited at room temperature. <i>Vacuum</i> , 2008, 82, 1507-1511.	1.6	55
380	High k dielectrics for low temperature electronics. <i>Thin Solid Films</i> , 2008, 516, 1544-1548.	0.8	58
381	Some studies on highly transparent wide band gap indium molybdenum oxide thin films rf sputtered at room temperature. <i>Thin Solid Films</i> , 2008, 516, 1359-1364.	0.8	14
382	Electron transport in single and multicomponent n-type oxide semiconductors. <i>Thin Solid Films</i> , 2008, 516, 1322-1325.	0.8	24
383	Gallium-Indium-Zinc-Oxide-Based Thin-Film Transistors: Influence of the Source/Drain Material. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 954-960.	1.6	185
384	High-mobility molybdenum doped indium oxide thin films prepared by spray pyrolysis technique. <i>Materials Letters</i> , 2008, 62, 3217-3219.	1.3	21
385	High-Performance Flexible Hybrid Field-Effect Transistors Based on Cellulose Fiber Paper. <i>IEEE Electron Device Letters</i> , 2008, 29, 988-990.	2.2	245
386	Metal contamination detection in nickel induced crystallized silicon by spectroscopic ellipsometry. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2319-2323.	1.5	1
387	Low temperature high k dielectric on poly-Si TFTs. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2534-2537.	1.5	9
388	Identification of unamplified genomic DNA sequences using gold nanoparticle probes and a novel thin film photodetector. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2580-2584.	1.5	8
389	The effects of ZnO coating on the photoluminescence properties of porous silicon for the advanced optoelectronic devices. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2181-2185.	1.5	26
390	n-PS/a-Si:H heterojunction for device application. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2632-2636.	1.5	7
391	Fabrication and characterization of hybrid solar cells based on copper phthalocyanine/porous silicon. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2892-2896.	1.5	24
392	Investigation of hydrocarbon coated porous silicon using PECVD technique to detect CO2 gas. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2610-2614.	1.5	4
393	Effect of annealing on the properties of RF sputtered indium molybdenum oxide thin films. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2831-2838.	1.5	1
394	Co-doping of aluminium and gallium with nitrogen in ZnO films deposited by RF magnetron sputtering. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 075220.	0.7	7
395	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.	2.2	101
396	High mobility indium free amorphous oxide thin film transistors. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	210

#	ARTICLE	IF	CITATIONS
397	Write-erase and read paper memory transistor. Applied Physics Letters, 2008, 93, .	1.5	127
398	New Amorphous Oxide Semiconductor for Thin Film Transistors (TFTs). Materials Science Forum, 2008, 587-588, 348-352.	0.3	1
399	Influencia del gas portador en las propiedades de películas de ZnO crecidas mediante MOCVD. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2008, 47, 242-244.	0.9	3
400	Role of order and disorder on the electronic performances of oxide semiconductor thin film transistors. Journal of Applied Physics, 2007, 101, 044505.	1.1	192
401	Amorphous/nanocrystalline silicon biosensor for the specific identification of unamplified nucleic acid sequences using gold nanoparticle probes. Applied Physics Letters, 2007, 90, 023903.	1.5	42
402	Novel Optoelectronic Platform using an Amorphous/Nanocrystalline Silicon Biosensor for the Specific Identification of Unamplified Nucleic Acid Sequences Based on Gold Nanoparticle Probes. , 2007, , .		2
403	Influence of substrate temperature on N-doped ZnO films deposited by RF magnetron sputtering. Thin Solid Films, 2007, 515, 8785-8788.	0.8	30
404	Influence of post-annealing temperature on the properties exhibited by ITO, IZO and GZO thin films. Thin Solid Films, 2007, 515, 8562-8566.	0.8	139
405	Amorphous IZO TFTs with saturation mobilities exceeding 100 cm <sup>2</sup> /Vs. Physica Status Solidi - Rapid Research Letters, 2007, 1, R34-R36.	1.2	171
406	Role of order and disorder in covalent semiconductors and ionic oxides used to produce thin film transistors. Applied Physics A: Materials Science and Processing, 2007, 89, 37-42.	1.1	44
407	3 dimensional polymorphous silicon based metal-insulator-semiconductor position sensitive detectors. Thin Solid Films, 2007, 515, 7530-7533.	0.8	3
408	Preliminary studies on molybdenum-doped indium oxide thin films deposited by radio-frequency magnetron sputtering at room temperature. Thin Solid Films, 2007, 515, 5512-5518.	0.8	12
409	Influence of the reactive N <sub>2</sub> gas flow on the properties of rf-sputtered ZnO thin films. Thin Solid Films, 2007, 515, 8780-8784.	0.8	26
410	Optical and structural analysis of porous silicon coated with GZO films using rf magnetron sputtering. Thin Solid Films, 2007, 515, 8664-8669.	0.8	28
411	Effect of base and oxygen partial pressures on the electrical and optical properties of indium molybdenum oxide thin films. Thin Solid Films, 2007, 515, 8549-8552.	0.8	9
412	Effect of annealing temperature on the properties of IZO films and IZO based transparent TFTs. Thin Solid Films, 2007, 515, 8450-8454.	0.8	95
413	DIFFERENCES BETWEEN AMORPHOUS AND NANOSTRUCTURED SILICON FILMS AND THEIR APPLICATION IN SOLAR CELL. High Temperature Material Processes, 2007, 11, 575-583.	0.2	3
414	Study of Electrochromic Devices Incorporating a Polymer Gel Electrolyte Component. Materials Science Forum, 2006, 514-516, 83-87.	0.3	2



#	ARTICLE	IF	CITATIONS
415	Investigation of a-Si:H 1D MIS position sensitive detectors for application in 3D sensors. Journal of Non-Crystalline Solids, 2006, 352, 1787-1791.	1.5	4
416	Impedance study of the electrical properties of poly-Si thin film transistors. Journal of Non-Crystalline Solids, 2006, 352, 1737-1740.	1.5	3
417	Influence of the semiconductor thickness on the electrical properties of transparent TFTs based on indium zinc oxide. Journal of Non-Crystalline Solids, 2006, 352, 1749-1752.	1.5	196
418	Effect of UV and visible light radiation on the electrical performances of transparent TFTs based on amorphous indium zinc oxide. Journal of Non-Crystalline Solids, 2006, 352, 1756-1760.	1.5	89
419	Electron transport and optical characteristics in amorphous indium zinc oxide films. Journal of Non-Crystalline Solids, 2006, 352, 1471-1474.	1.5	83
420	Hydrogenated p-type nanocrystalline silicon in amorphous silicon solar cells. Journal of Non-Crystalline Solids, 2006, 352, 1900-1903.	1.5	41
421	Study of nanostructured silicon by hydrogen evolution and its application in p-n solar cells. Journal of Non-Crystalline Solids, 2006, 352, 1945-1948.	1.5	12
422	Spectroscopic ellipsometry study of nickel induced crystallization of a-Si. Journal of Non-Crystalline Solids, 2006, 352, 1204-1208.	1.5	8
423	UV and ozone influence on the conductivity of ZnO thin films. Journal of Non-Crystalline Solids, 2006, 352, 1444-1447.	1.5	36
424	Role of the thickness on the electrical and optical performances of undoped polycrystalline zinc oxide films used as UV detectors. Journal of Non-Crystalline Solids, 2006, 352, 1448-1452.	1.5	11
425	Study of nanostructured/amorphous silicon solar cell by impedance spectroscopy technique. Journal of Non-Crystalline Solids, 2006, 352, 1880-1883.	1.5	28
426	Hydrogenated silicon carbon nitride films obtained by HWCVD, PA-HWCVD and PECVD techniques. Journal of Non-Crystalline Solids, 2006, 352, 1361-1366.	1.5	45
427	Amorphous silicon position sensitive detectors applied to micropositioning. Journal of Non-Crystalline Solids, 2006, 352, 1792-1796.	1.5	13
428	Characterization of nanocrystalline silicon carbide films. Journal of Non-Crystalline Solids, 2006, 352, 1410-1415.	1.5	5
429	Heterojunction solar cells with n-type nanocrystalline silicon emitters on p-type c-Si wafers. Journal of Non-Crystalline Solids, 2006, 352, 1972-1975.	1.5	34
430	Influence of the Electrical and Structural Properties of Tin Oxide on the Performances of Combustible Gas Sensors. , 2006, , 477-482.		1
431	Influence of the ex-situ and in-situ annealed self-buffer layer on ZnO film. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1010-1013.	0.8	1
432	Electrodeposition of polypyrrole on aluminium in aqueous tartaric solution. Electrochimica Acta, 2006, 51, 5802-5810.	2.6	38

#	ARTICLE	IF	CITATIONS
433	Low temperature processed hafnium oxide: Structural and electrical properties. <i>Materials Science in Semiconductor Processing</i> , 2006, 9, 1125-1132.	1.9	27
434	Conditions to prepare PPy/Al <sub>2</sub> O <sub>3</sub> /Al used as a solid-state capacitor from aqueous malic solutions. <i>Journal of Power Sources</i> , 2006, 160, 1471-1479.	4.0	9
435	Silicon thin films prepared in the transition region and their use in solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 3001-3008.	3.0	17
436	Electrical properties of amorphous and nanocrystalline hydrogenated silicon films obtained by impedance spectroscopy. <i>Thin Solid Films</i> , 2006, 511-512, 390-393.	0.8	9
437	Performances of an in-line PECVD system used to produce amorphous and nanocrystalline silicon solar cells. <i>Thin Solid Films</i> , 2006, 511-512, 238-242.	0.8	3
438	Influence of the self-buffer layer on ZnO film grown by atmospheric metal organic chemical vapor deposition. <i>Thin Solid Films</i> , 2006, 515, 1527-1531.	0.8	3
439	Influence of time, light and temperature on the electrical properties of zinc oxide TFTs. <i>Superlattices and Microstructures</i> , 2006, 39, 319-327.	1.4	29
440	Nickel-assisted metal-induced crystallization of silicon: Effect of native silicon oxide layer. <i>Thin Solid Films</i> , 2006, 511-512, 275-279.	0.8	10
441	Role of hydrogen plasma on electrical and optical properties of ZGO, ITO and IZO transparent and conductive coatings. <i>Thin Solid Films</i> , 2006, 511-512, 295-298.	0.8	87
442	Nanostructure characterization of high k materials by spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2006, 253, 339-343.	3.1	13
443	Zinc Oxide Thin Films used as an Ozone Sensor at Room Temperature. <i>Materials Research Society Symposia Proceedings</i> , 2006, 915, 1.	0.1	5
444	Insights on Amorphous Silicon Nip and MIS 3D Position Sensitive Detectors. <i>Materials Science Forum</i> , 2006, 514-516, 13-17.	0.3	2
445	Role of Hydrogen Plasma on the Electrical and Optical Properties of Indium Zinc Transparent Conductive Oxide. <i>Materials Science Forum</i> , 2006, 514-516, 63-67.	0.3	1
446	A Study on the Electrical Properties of ZnO Based Transparent TFTs. <i>Materials Science Forum</i> , 2006, 514-516, 68-72.	0.3	5
447	Effect of Oxidant/ Monomer Ratio on the Electrical Properties of Polypyrrole in Tantalum Capacitors. <i>Materials Science Forum</i> , 2006, 514-516, 43-47.	0.3	5
448	Poly-Si Thin Film Transistors: Effect of Metal Thickness on Silicon Crystallization. <i>Materials Science Forum</i> , 2006, 514-516, 28-32.	0.3	1
449	Electrical Performances of Low Temperature Annealed Hafnium Oxide Deposited at Room Temperature. <i>Materials Science Forum</i> , 2006, 514-516, 58-62.	0.3	1
450	The Study of High Temperature Annealing of a-SiC:H Films. <i>Materials Science Forum</i> , 2006, 514-516, 18-22.	0.3	0

#	ARTICLE	IF	CITATIONS
451	Characterization of Nickel Induced Crystallized Silicon by Spectroscopic Ellipsometry. Materials Research Society Symposia Proceedings, 2006, 910, 6.	0.1	0
452	Multifunctional Thin Film Zinc Oxide Semiconductors: Application to Electronic Devices. Materials Science Forum, 2006, 514-516, 3-7.	0.3	6
453	Super linear position sensitive detectors using MIS structures. Optical Materials, 2005, 27, 1088-1092.	1.7	10
454	Influence of the oxygen/argon ratio on the properties of sputtered hafnium oxide. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 210-213.	1.7	51
455	Room temperature dc and ac electrical behaviour of undoped ZnO films under UV light. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 135-140.	1.7	9
456	Influence of metal induced crystallization parameters on the performance of polycrystalline silicon thin film transistors. Thin Solid Films, 2005, 487, 102-106.	0.8	14
457	Role of buffer layer on the performances of amorphous silicon solar cells with incorporated nanoparticles produced by plasma enhanced chemical vapor deposition at 27.12 MHz. Thin Solid Films, 2005, 487, 170-173.	0.8	21
458	Recent advances in ZnO transparent thin film transistors. Thin Solid Films, 2005, 487, 205-211.	0.8	335
459	Polycrystalline intrinsic zinc oxide to be used in transparent electronic devices. Thin Solid Films, 2005, 487, 212-215.	0.8	50
460	Amorphous silicon-based PINIP structure for color sensor. Thin Solid Films, 2005, 487, 268-270.	0.8	5
461	Role of annealing environment on the performances of large area ITO films produced by rf magnetron sputtering. Thin Solid Films, 2005, 487, 271-276.	0.8	63
462	Characterization of silicon carbide thin films and their use in colour sensor. Solar Energy Materials and Solar Cells, 2005, 87, 343-348.	3.0	2
463	Influence of the layer thickness and hydrogen dilution on electrical properties of large area amorphous silicon $\mu$ c-Si solar cell. Solar Energy Materials and Solar Cells, 2005, 87, 349-355.	3.0	5
464	Fully Transparent ZnO Thin-Film Transistor Produced at Room Temperature. Advanced Materials, 2005, 17, 590-594.	11.1	787
465	Linearity and sensitivity of MIS position sensitive detectors. Journal of Materials Science, 2005, 40, 1377-1381.	1.7	16
466	Metal induced crystallization: Gold versus aluminium. Journal of Materials Science, 2005, 40, 1387-1391.	1.7	10
467	Transport in high mobility amorphous wide band gap indium zinc oxide films. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, R95-R97.	0.8	113
468	Flexible a-Si:H Position-Sensitive Detectors. Proceedings of the IEEE, 2005, 93, 1281-1286.	16.4	33

#	ARTICLE	IF	CITATIONS
469	Influence of the Rapid Thermal Annealing on the Properties of Thin a-Si Films. Materials Science Forum, 2004, 455-456, 108-111.	0.3	0
470	Role of Substrate on the Growth Process of Polycrystalline Silicon Thin Films by Low-Pressure Chemical Vapour Deposition. Materials Science Forum, 2004, 455-456, 112-115.	0.3	0
471	ZnO:Ga Thin Films Produced by RF Sputtering at Room Temperature: Effect of the Power Density. Materials Science Forum, 2004, 455-456, 12-15.	0.3	6
472	Effect of Annealing on Gold Rectifying Contacts in Amorphous Silicon. Materials Science Forum, 2004, 455-456, 96-99.	0.3	3
473	Sputtering Preparation of Silicon Nitride Thin Films for Gate Dielectric Applications. Materials Science Forum, 2004, 455-456, 69-72.	0.3	0
474	Characterization of Polymorphous Silicon Thin Film and Solar Cells. Materials Science Forum, 2004, 455-456, 77-80.	0.3	1
475	Composition, Structure and Optical Characteristics of Polymorphous Silicon Films Deposited by PECVD at 27.12 MHz. Materials Science Forum, 2004, 455-456, 100-103.	0.3	1
476	Aqueous Tape Casting of Low-k Cordierite Substrate: The Influence of Glass Content. Materials Science Forum, 2004, 455-456, 168-171.	0.3	0
477	Growth of Polymorphous/Nanocrystalline Silicon Films Deposited by PECVD at 13.56 MHz. Materials Science Forum, 2004, 455-456, 532-535.	0.3	1
478	Physical Properties of Sputtered ITO and WO <sub>3</sub> Thin Films. Materials Science Forum, 2004, 455-456, 7-11.	0.3	2
479	Batch Processing Method to Deposit a-Si:H Films by PECVD. Materials Science Forum, 2004, 455-456, 104-107.	0.3	1
480	MIS Photodiodes of Polymorphous Silicon Deposited at Higher Growth Rates by 27.12 MHz PECVD Discharge. Materials Science Forum, 2004, 455-456, 73-76.	0.3	0
481	Dynamic Characterization of Large Area Image Sensing Structures Based on a-SiC:H. Materials Science Forum, 2004, 455-456, 86-90.	0.3	0
482	Silicon Etching in CF <sub>4</sub> /O <sub>2</sub> and SF <sub>6</sub> Atmospheres. Materials Science Forum, 2004, 455-456, 120-123.	0.3	1
483	Polycrystalline silicon obtained by metal induced crystallization using different metals. Thin Solid Films, 2004, 451-452, 334-339.	0.8	34
484	High quality conductive gallium-doped zinc oxide films deposited at room temperature. Thin Solid Films, 2004, 451-452, 443-447.	0.8	103
485	Properties of a-Si:H intrinsic films produced by HWP-CVD technique. Thin Solid Films, 2004, 451-452, 366-369.	0.8	0
486	Effect of the tunnelling oxide thickness and density on the performance of MIS photodiodes. Thin Solid Films, 2004, 451-452, 361-365.	0.8	0

#	ARTICLE	IF	CITATIONS
487	Effect of the discharge frequency and impedance on the structural properties of polymorphous silicon. <i>Thin Solid Films</i> , 2004, 451-452, 264-268.	0.8	6
488	Excellence in European universities. <i>Materials Today</i> , 2004, 7, 56-60.	8.3	0
489	Effect of the tunnelling oxide growth by H <sub>2</sub> O <sub>2</sub> oxidation on the performance of a-Si:H MIS photodiodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 109, 256-259.	1.7	0
490	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.	1.9	12
491	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.	2.2	56
492	Flexible position sensitive photodetectors based on a-Si:H heterostructures. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 119-124.	2.0	6
493	Large area image sensing structures based on a-SiC:H: a dynamic characterization. <i>Sensors and Actuators A: Physical</i> , 2004, 113, 360-364.	2.0	22
494	Novel structure for large area image sensing. <i>Sensors and Actuators A: Physical</i> , 2004, 115, 357-361.	2.0	2
495	Ethanol vapour detector based in porous a-Si:H films produced by HW-CVD technique. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 236-239.	4.0	2
496	Porous a/nc-Si:H films produced by HW-CVD as ethanol vapour detector and primary fuel cell. <i>Sensors and Actuators B: Chemical</i> , 2004, 103, 344-349.	4.0	12
497	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.	1.7	36
498	Zinc oxide as an ozone sensor. <i>Journal of Applied Physics</i> , 2004, 96, 1398-1408.	1.1	181
499	Polycrystalline silicon obtained by gold metal induced crystallization. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 178-182.	1.5	22
500	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.	1.5	1
501	The diphasic nc-Si/a-Si:H thin film with improved medium-range order. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 188-191.	1.5	16
502	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.	1.5	9
503	Characterization of silicon carbide thin films prepared by VHF-PECVD technology. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 530-533.	1.5	20
504	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.	1.5	124

#	ARTICLE	IF	CITATIONS
505	Effect of an interfacial oxide layer in the annealing behaviour of Au/a-Si:H MIS photodiodes. Journal of Non-Crystalline Solids, 2004, 338-340, 810-813.	1.5	2
506	Wide-bandgap high-mobility ZnO thin-film transistors produced at room temperature. Applied Physics Letters, 2004, 85, 2541-2543.	1.5	500
507	SPECTRAL RESPONSE OF LARGE AREA AMORPHOUS SILICON SOLAR CELLS. High Temperature Material Processes, 2004, 8, 293-299.	0.2	1
508	Polymorphous Silicon Films Deposited at 27.12 MHz. Chemical Vapor Deposition, 2003, 9, 333-337.	1.4	13
509	Influence of the deposition pressure on the properties of transparent and conductive ZnO:Ga thin-film produced by r.f. sputtering at room temperature. Thin Solid Films, 2003, 427, 401-405.	0.8	277
510	From porous to compact films by changing the onset conditions of HW-CVD process. Thin Solid Films, 2003, 427, 225-230.	0.8	5
511	Spectroscopic ellipsometry study of amorphous silicon anodically oxidised. Thin Solid Films, 2003, 427, 345-349.	0.8	10
512	New challenges on gallium-doped zinc oxide films prepared by r.f. magnetron sputtering. Thin Solid Films, 2003, 442, 102-106.	0.8	92
513	Surface modification of a new flexible substrate based on hydroxypropylcellulose for optoelectronic applications. Thin Solid Films, 2003, 442, 127-131.	0.8	11
514	Polymorphous silicon deposited in large area reactor at 13 and 27 MHz. Thin Solid Films, 2003, 427, 6-10.	0.8	8
515	Combining HW-CVD and PECVD techniques to produce a-Si:H films. Thin Solid Films, 2003, 427, 231-235.	0.8	2
516	Growth of ZnO:Ga thin films at room temperature on polymeric substrates: thickness dependence. Thin Solid Films, 2003, 442, 121-126.	0.8	97
517	Highly Sensitive ZnO Ozone Detectors at Room Temperature. Japanese Journal of Applied Physics, 2003, 42, L435-L437.	0.8	55
518	Hot-wire plasma assisted chemical vapor deposition: A deposition technique to obtain silicon thin films. Journal of Applied Physics, 2002, 91, 1644-1649.	1.1	3
519	Influence of the Plasma Regime on the Structural, Optical and Transport Properties of a-Si:H Thin Films. Key Engineering Materials, 2002, 230-232, 583-586.	0.4	0
520	New Adhesion Process Based on Lead-Free Solder Applied in Electronic Power Devices. Key Engineering Materials, 2002, 230-232, 92-95.	0.4	0
521	Role of the Density of States in the Colour Selection of the Collection Spectrum of Amorphous Silicon-Based Schottky Photodiodes. Key Engineering Materials, 2002, 230-232, 559-562.	0.4	0
522	Properties Presented by ZnO Thin Films Deposited by Magnetron Sputtering and Spray Pyrolysis. Key Engineering Materials, 2002, 230-232, 424-427.	0.4	2

#	ARTICLE	IF	CITATIONS
523	Optical and Photoelectric Properties of PZT Films for Microelectronic Applications. Key Engineering Materials, 2002, 230-232, 563-566.	0.4	0
524	Influence of Hydrogen Gas Dilution on the Properties of Silicon-Doped Thin Films Prepared by the Hot-Wire Plasma-Assisted Technique. Key Engineering Materials, 2002, 230-232, 591-594.	0.4	0
525	Structural Characterisation of Zinc Oxide Thin Films Produced by Spray Pyrolysis. Key Engineering Materials, 2002, 230-232, 599-602.	0.4	5
526	Highly Conductive/Transparent ZnO:Al Thin Films Deposited at Room Temperature by rf Magnetron Sputtering. Key Engineering Materials, 2002, 230-232, 571-574.	0.4	2
527	Role of the i-Layer Thickness in the Performance of a-Si:H Schottky Barrier Photodiodes. Key Engineering Materials, 2002, 230-232, 587-590.	0.4	0
528	Growth Model of Gas Species Produced by the Hot-Wire and Hot-Wire Plasma-Assisted Techniques. Key Engineering Materials, 2002, 230-232, 603-606.	0.4	0
529	Study of the Sensing Mechanism of SnO <sub>2</sub> Thin-Film Gas Sensors Using Hall Effect Measurements. Key Engineering Materials, 2002, 230-232, 357-360.	0.4	3
530	New insights on large area flexible position sensitive detectors. Journal of Non-Crystalline Solids, 2002, 299-302, 1272-1276.	1.5	27
531	Performance of a-Si <sub>1-x</sub> C <sub>1-x</sub> H Schottky barrier and pin diodes used as position sensitive detectors. Journal of Non-Crystalline Solids, 2002, 299-302, 1277-1282.	1.5	8
532	32 linear array position sensitive detector based on NIP and hetero a-Si:H microdevices. Journal of Non-Crystalline Solids, 2002, 299-302, 1283-1288.	1.5	10
533	a-Si:H interface optimisation for thin film position sensitive detectors produced on polymeric substrates. Journal of Non-Crystalline Solids, 2002, 299-302, 1289-1294.	1.5	16
534	Metal-ferroelectric thin film devices. Journal of Non-Crystalline Solids, 2002, 299-302, 1311-1315.	1.5	3
535	The properties of a-Si:H films deposited on Mylar substrates by hot-wire plasma assisted technique. Journal of Non-Crystalline Solids, 2002, 299-302, 30-35.	1.5	0
536	Composite systems for flexible display applications from cellulose derivatives. Synthetic Metals, 2002, 127, 111-114.	2.1	3
537	High quality a-Si:H films for MIS device applications. Thin Solid Films, 2002, 403-404, 26-29.	0.8	8
538	Amorphous ITO thin films prepared by DC sputtering for electrochromic applications. Thin Solid Films, 2002, 420-421, 70-75.	0.8	103
539	Influence of the Strain on the Electrical Resistance of Zinc Oxide Doped Thin Film Deposited on Polymer Substrates. Advanced Engineering Materials, 2002, 4, 610-612.	1.6	23
540	Dependence of the Strains and Residual Mechanical Stresses on the Performances Presented by a-Si:H Thin Film Position Sensors. Advanced Engineering Materials, 2002, 4, 612-616.	1.6	6

#	ARTICLE	IF	CITATIONS
541	Optimisation of parameters for aqueous tape-casting of cordierite-based glass ceramics by Taguchi method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 334, 11-18.	2.6	16
542	Role of the i layer surface properties on the performance of a-Si:H Schottky barrier photodiodes. <i>Sensors and Actuators A: Physical</i> , 2002, 99, 220-223.	2.0	2
543	Structural characterisation of NiTi thin film shape memory alloys. <i>Sensors and Actuators A: Physical</i> , 2002, 99, 55-58.	2.0	11
544	Engineering of a-Si:H device stability by suitable design of interfaces. <i>Solar Energy Materials and Solar Cells</i> , 2002, 73, 39-49.	3.0	4
545	Influence of the intrinsic layer characteristics on a-Si:H "n solar cell performance analysed by means of a computer simulation. <i>Solar Energy Materials and Solar Cells</i> , 2002, 73, 151-162.	3.0	32
546	Transparent, conductive ZnO:Al thin film deposited on polymer substrates by RF magnetron sputtering. <i>Surface and Coatings Technology</i> , 2002, 151-152, 247-251.	2.2	67
547	Production and characterization of zinc oxide thin films for room temperature ozone sensing. <i>Thin Solid Films</i> , 2002, 418, 45-50.	0.8	82
548	Composition and structure of silicon-carbide alloys obtained by hot wire and hot wire plasma assisted techniques. <i>Vacuum</i> , 2002, 64, 261-266.	1.6	10
549	Morphology and structure of nanocrystalline p-doped silicon films produced by hot wire technique. <i>Vacuum</i> , 2002, 64, 237-243.	1.6	11
550	Characterization of aluminium doped zinc oxide thin films deposited on polymeric substrates. <i>Vacuum</i> , 2002, 64, 233-236.	1.6	44
551	Effect of different dopant elements on the properties of ZnO thin films. <i>Vacuum</i> , 2002, 64, 281-285.	1.6	336
552	Performances presented by zinc oxide thin films deposited by r.f. magnetron sputtering. <i>Vacuum</i> , 2002, 64, 293-297.	1.6	117
553	Silicon nanostructure thin film materials. <i>Vacuum</i> , 2002, 64, 219-226.	1.6	1
554	Influence of a DC grid on silane r.f. plasma properties. <i>Vacuum</i> , 2002, 64, 387-392.	1.6	3
555	Synthesis, Characterization, and Processing of Cordierite-Glass Particles Modified by Coating with an Alumina Precursor. <i>Journal of the American Ceramic Society</i> , 2002, 85, 155-160.	1.9	4
556	Influence of the annealing conditions on the properties of ZnO thin films. <i>Solid State Sciences</i> , 2001, 3, 1125-1128.	0.8	60
557	Effect of different dopants on the properties of ZnO thin films. <i>Solid State Sciences</i> , 2001, 3, 1211-1213.	0.8	17
558	Influence of the deposition conditions on the gas sensitivity of zinc oxide thin films deposited by spray pyrolysis. <i>Solid State Sciences</i> , 2001, 3, 1129-1131.	0.8	49



#	ARTICLE	IF	CITATIONS
559	Correlation between the microscopic and macroscopic characteristics of SnO <sub>2</sub> thin film gas sensors. Solid State Sciences, 2001, 3, 1349-1351.	0.8	7
560	Properties of ZnO Thin Films Deposited by Spray Pyrolysis and Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	0
561	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. Materials Research Society Symposia Proceedings, 2001, 666, 1131.	0.1	0
562	Characterization of Zinc Oxide Thin Films Deposited by rf Magnetron Sputtering on Mylar Substrates. Materials Research Society Symposia Proceedings, 2001, 666, 3211.	0.1	0
563	Zinc Oxide Thin Films Deposited by RF Magnetron Sputtering on Mylar Substrates at Room Temperature. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	0
564	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	0
565	Performances Presented by Large Area ZnO Thin Films Deposited by Spray Pyrolysis. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	0
566	Correlation between the carbon and hydrogen contents with the gas species and the plasma impedance of silicon carbide films produced by PECVD technique. Applied Surface Science, 2001, 184, 101-106.	3.1	1
567	Silicon carbide photodiodes: Schottky and PINIP structures. Applied Surface Science, 2001, 184, 437-442.	3.1	4
568	Silicon carbide alloys produced by hot wire, hot wire plasma-assisted and plasma-enhanced CVD techniques. Applied Surface Science, 2001, 184, 8-19.	3.1	16
569	Influence of the post-treatment on the properties of ZnO thin films. Thin Solid Films, 2001, 383, 277-280.	0.8	182
570	Influence of the process parameters on structural and electrical properties of r.f. magnetron sputtering ITO films. Thin Solid Films, 2001, 383, 244-247.	0.8	30
571	Role of ion bombardment and plasma impedance on the performances presented by undoped a-Si:H films. Thin Solid Films, 2001, 383, 165-168.	0.8	8
572	Correlation between a-Si:H surface oxidation process and the performance of MIS structures. Thin Solid Films, 2001, 383, 185-188.	0.8	7
573	Production and characterization of large area flexible thin film position sensitive detectors. Thin Solid Films, 2001, 383, 310-313.	0.8	14
574	Fast and cheap method to qualitatively measure the thickness and uniformity of ZrO <sub>2</sub> thin films. Materials Science in Semiconductor Processing, 2001, 4, 319-321.	1.9	6
575	Nanocrystalline p-type silicon films produced by hot wire plasma assisted technique. Materials Science and Engineering C, 2001, 15, 137-140.	3.8	2
576	Role of the gas pressure and hydrogen dilution on the properties of large area nanocrystalline p-type silicon films produced by hot wire technique. Materials Science and Engineering C, 2001, 15, 141-144.	3.8	3

#	ARTICLE	IF	CITATIONS
577	Mass spectroscopy analysis during the deposition of a-SiC:H and a-C:H films produced by hot wire and hot wire plasma-assisted techniques. Applied Surface Science, 2001, 184, 60-65.	3.1	7
578	Thin film position sensitive detectors based on pin amorphous silicon carbide structures. Applied Surface Science, 2001, 184, 443-447.	3.1	14
579	New nanostructured silicon films grown by PECVD technique under controlled powder formation conditions. Solar Energy, 2001, 69, 263-269.	2.9	5
580	Effect of Deposition Conditions upon Gas Sensitivity of Zinc Oxide Thin Films Deposited by Spray Pyrolysis. Solid State Phenomena, 2001, 80-81, 151-154.	0.3	0
581	Silicon Films Produced by PECVD under Powder Formation Conditions. Materials Science Forum, 2001, 382, 21-30.	0.3	0
582	Large-Area Polycrystalline p-Type Silicon Films Produced by the Hot Wire Technique. Solid State Phenomena, 2001, 80-81, 47-52.	0.3	1
583	Properties Presented by Tin Oxide Thin Films Deposited by Spray Pyrolysis. Solid State Phenomena, 2001, 80-81, 139-144.	0.3	2
584	Two Step Process for the Growth of a Thin Layer of Silicon Dioxide for Tunneling Effect Applications. Materials Research Society Symposia Proceedings, 2000, 619, 179.	0.1	0
585	Role of the gas temperature and power to gas flow ratio on powder and voids formation in films grown by PECVD technique. Vacuum, 2000, 56, 25-30.	1.6	17
586	Morphological and structural characteristics presented by the Cu-Sn-Cu metallurgical system used in electronic joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 288, 248-252.	2.6	4
587	Role of soldering parameters on the electrical performances presented by Cu-Sn-Cu joints used in power diodes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 288, 275-279.	2.6	0
588	Role of the gas temperature and power to gas flow ratio on powder formation and properties of films grown by the PECVD technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 272-277.	1.7	5
589	Flexible large area thin film position sensitive detectors. Sensors and Actuators A: Physical, 2000, 86, 182-186.	2.0	17
590	Plasma diagnostics of a PECVD system using different R.F. electrode configurations. Vacuum, 2000, 56, 31-37.	1.6	8
591	Production of low cost contacts and joins for large area devices by electrodeposition of Cu and Sn. Applied Surface Science, 2000, 168, 292-295.	3.1	4
592	Thin Film Position Sensitive Detectors: From 1D to 3D Applications. Springer Series in Materials Science, 2000, , 342-403.	0.4	11
593	Transport properties in microcrystalline silicon solar cells under AM1.5 illumination analysed by two-dimensional numerical simulation. Solid-State Electronics, 1999, 43, 1709-1714.	0.8	3
594	Transport properties of $\mu\text{-Si:H}$ analyzed by means of numerical simulation. Thin Solid Films, 1999, 337, 109-112.	0.8	2

#	ARTICLE	IF	CITATIONS
595	New metallurgical systems for electronic soldering applications. Sensors and Actuators A: Physical, 1999, 74, 70-76.	2.0	6
596	Simulation of hydrogenated amorphous and microcrystalline silicon optoelectronic devices. Mathematics and Computers in Simulation, 1999, 49, 381-401.	2.4	52
597	Role of the hot wire filament temperature on the structure and morphology of the nanocrystalline silicon p-doped films. Applied Surface Science, 1999, 144-145, 690-696.	3.1	7
598	Photochemical sensors based on amorphous silicon thin films. Sensors and Actuators B: Chemical, 1998, 46, 202-207.	4.0	5
599	New UV-enhanced solar blind optical sensors based on monocrystalline zinc sulphide. Sensors and Actuators A: Physical, 1998, 67, 68-71.	2.0	22
600	New materials for large-area position-sensitive detectors. Sensors and Actuators A: Physical, 1998, 68, 244-248.	2.0	11
601	Selective optical sensors from 0.25 to 1.1 $\mu\text{m}$ based on metal oxide-semiconductor heterojunctions. Sensors and Actuators A: Physical, 1998, 68, 333-337.	2.0	3
602	Silicon active optical sensors: from functional photodetectors to smart sensors. Sensors and Actuators A: Physical, 1998, 68, 359-364.	2.0	2
603	Role of the deposition conditions on the properties presented by nanocrystallite silicon films produced by hot wire. Journal of Non-Crystalline Solids, 1998, 227-230, 901-905.	1.5	11
604	Microcrystalline thin metal oxide films for optoelectronic applications. Journal of Non-Crystalline Solids, 1998, 227-230, 1092-1095.	1.5	11
605	Thin oxide interface layers in a-Si:H MIS structures. Journal of Non-Crystalline Solids, 1998, 227-230, 1230-1234.	1.5	8
606	Amorphous silicon sensors: from photo to chemical detection. Journal of Non-Crystalline Solids, 1998, 227-230, 1349-1353.	1.5	6
607	A new high ultraviolet sensitivity FTO-GaP Schottky photodiode fabricated by spray pyrolysis. Semiconductor Science and Technology, 1998, 13, 102-107.	1.0	14
608	<title>Numerical simulation of a/uc-Si:H p-i-n photodiode under nonuniform illumination: a 2D transport problem</title>. , 1997, , .		1
609	UV Enhanced and Solar Blind Photodetectors Based on Large-Band-Gap Materials. Materials Science Forum, 1997, 258-263, 1425-1430.	0.3	1
610	Dependence of amorphous silicon solar cell performances on the lateral drift current. Solar Energy Materials and Solar Cells, 1997, 45, 1-15.	3.0	4
611	Amorphous and microcrystalline silicon p-i-n optical speed sensors based on the flying spot technique. Journal of Non-Crystalline Solids, 1996, 198-200, 1193-1197.	1.5	0
612	Static and dynamic resolution of 1D thin film position sensitive detector. Journal of Non-Crystalline Solids, 1996, 198-200, 1202-1206.	1.5	5

#	ARTICLE	IF	CITATIONS
613	A linear array thin film position sensitive detector for 3D measurements. Journal of Non-Crystalline Solids, 1996, 198-200, 1212-1216.	1.5	4
614	On the a-Si:H film growth: the role of the powder formation. Journal of Non-Crystalline Solids, 1996, 198-200, 1207-1211.	1.5	8
615	From intelligent materials to smart sensors. , 1996, , .		0
616	Interpretation of the static and dynamic characteristics of 1-D thin film position sensitive detectors based on a-Si:H p-i-n diodes. IEEE Transactions on Electron Devices, 1996, 43, 2143-2152.	1.6	8
617	Performances presented by large-area thin film position-sensitive detectors based on amorphous silicon. Thin Solid Films, 1996, 272, 148-156.	0.8	2
618	Transport properties of doped silicon oxycarbide microcrystalline films produced by spatial separation techniques. Solar Energy Materials and Solar Cells, 1996, 41-42, 493-517.	3.0	4
619	A two-dimensional numerical simulation of a non-uniformly illuminated amorphous silicon solar cell. Journal Physics D: Applied Physics, 1996, 29, 3154-3159.	1.3	21
620	Linear thin-film position-sensitive detector (LTFPSD) for 3D measurements. , 1995, , .		5
621	High-detection resolution presented by large-area thin-film position-sensitive detectors. , 1995, 2397, 259.		13
622	Spatial microscopic/macrosopic control and modeling of the p.i.n devices stability. , 1995, 2397, 695.		1
623	Hydrogenated amorphous silicon speed sensor based on the flying spot technique. , 1995, , .		0
624	Simulation of the lateral photo effect in large-area 1D a-Si:H p-i-n thin-film position-sensitive detectors. , 1995, , .		0
625	Static behaviour of thin-film position-sensitive detectors based on p-i-n a-Si:H devices. Sensors and Actuators A: Physical, 1995, 51, 143-151.	2.0	0
626	Large-area 1D thin-film position-sensitive detector with high detection resolution. Sensors and Actuators A: Physical, 1995, 51, 135-142.	2.0	68
627	Study of annealed indium tin oxide films prepared by rf reactive magnetron sputtering. Vacuum, 1995, 46, 673-680.	1.6	87
628	Lateral photoeffect in large area one-dimensional thin-film position-sensitive detectors based in a-Si:H p-i-n devices. Review of Scientific Instruments, 1995, 66, 2927-2934.	0.6	64
629	A linear array position sensitive detector based on amorphous silicon. Review of Scientific Instruments, 1995, 66, 5317-5321.	0.6	2
630	Wide Band Gap Microcrystalline Silicon Thin Films. Solid State Phenomena, 1995, 44-46, 299-346.	0.3	13

#	ARTICLE	IF	CITATIONS
631	Dark current-voltage characteristics of transverse asymmetric hydrogenated amorphous silicon diodes. Journal of Applied Physics, 1995, 78, 3481-3487.	1.1	23
632	Engineering of the energy coupling in PECVD systems used to produce large area a-Si:H coatings. Vacuum, 1994, 45, 1107-1108.	1.6	4
633	Influence of photodegradation on the $I_{sc}$ , and microstructure of pin a-Si:H devices. Vacuum, 1994, 45, 1109-1111.	1.6	0
634	Light and temperature effect on pin a-Si: H device performance. Vacuum, 1994, 45, 1147-1149.	1.6	2
635	Application of thin film technology to optical sensors. Vacuum, 1994, 45, 1151-1154.	1.6	1
636	Thin film position sensitive detector based on amorphous silicon p-n diode. Review of Scientific Instruments, 1994, 65, 3784-3786.	0.6	62
637	Performances presented by a position-sensitive detector based on amorphous silicon technology. , 1993, , .		0
638	Temperature and light-induced degradation effect on a-Si:H photovoltaic PIN device properties. , 1993, , .		0
639	A-Si:H ambipolar diffusion length and effective lifetime measured by flying spot (FST) and spectral photovoltage (SPT) techniques. Journal of Non-Crystalline Solids, 1991, 137-138, 479-482.	1.5	10
640	Engineering of plasma deposition systems used for producing large area a-Si:H devices. Journal of Non-Crystalline Solids, 1991, 137-138, 757-760.	1.5	14
641	A thin SiO layer as a remedy for the indium reduction at the In <sub>2</sub> O <sub>3</sub> /nc-Si:C:H interface. Applied Surface Science, 1991, 52, 339-342.	3.1	11
642	Tunneling in vertical nc-Si/a-Si <sub>0.6</sub> CyOz:H/nc-Si heterostructures. Journal of Non-Crystalline Solids, 1989, 115, 120-122.	1.5	26
643	Transport in nc-Si <sub>0.6</sub> Cy:Oz:H films prepared by a TCDDC system. Journal of Non-Crystalline Solids, 1989, 114, 486-488.	1.5	14
644	Effects of U.V. light on the transport properties of a-Si : H films during their growth. Journal of Non-Crystalline Solids, 1987, 97-98, 1399-1402.	1.5	13
645	Highly uniform large-area a-Si:H films. Solar Cells, 1985, 14, 281-287.	0.6	1
646	Study of a-SiC:H buffer layer on nc-Si/a-Si:H solar cells deposited by PECVD technique. , 0, , .		1
647	Optical and Microstructural Investigations of Porous Silicon Coated with a-Si:H Using PECVD Technique. Materials Science Forum, 0, 587-588, 308-312.	0.3	0
648	Effect of N and P codoping on ZnO properties. Advanced Materials Research, 0, 645, 64-67.	0.3	4

#	ARTICLE	IF	CITATIONS
649	Photocatalytic Activity of TiO <sub>2</sub> Nanostructured Arrays Prepared by Microwave-Assisted Solvothermal Method. , 0, , .		8
650	Optoelectronics and Bio Devices on Paper Powered by Solar Cells. , 0, , .		9
651	Porous ZnO Nanostructures Synthesized by Microwave Hydrothermal Method for Energy Harvesting Applications. , 0, , .		3
652	Hydrothermal Synthesis of Zinc Tin Oxide Nanostructures for Photocatalysis, Energy Harvesting and Electronics. , 0, , .		3
653	A New Ultra-Light Flexible Large Area Thin Film PSD Based on Amorphous Silicon. , 0, , 421-427.		2
654	Digital Microfluidics for Amplification Monitoring of Cancer Biomarkers. , 0, , .		1