

Hugo Águas

List of Publications by Year in descending order

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187
papers

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citations

101384

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187
docs citations

187
times ranked

4820
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of Archaeological High-tin Bronze Corrosion Structures. <i>Studies in Conservation</i> , 2022, 67, 222-236.	0.6	8
2	Surface-enhanced Raman scattering paper-based analytical devices. , 2022, , 117-167.		1
3	Digital Microfluidics-Powered Real-Time Monitoring of Isothermal DNA Amplification of Cancer Biomarker. <i>Biosensors</i> , 2022, 12, 201.	2.3	9
4	Mortars from the Palace of Knossos in Crete, Greece: A Multi-Analytical Approach. <i>Minerals (Basel)</i> , 2022, 12, 1010.	0.8	3
5	Photonic-Structured Perovskite Solar Cells: Detailed Optoelectronic Analysis. <i>ACS Photonics</i> , 2022, 9, 2408-2421.	3.2	9
6	High-performance wide bandgap perovskite solar cells fabricated in ambient high-humidity conditions. <i>Materials Advances</i> , 2021, 2, 6344-6355.	2.6	15
7	Optimization of ZnO Nanorods Concentration in a Micro-Structured Polymeric Composite for Nanogenerators. <i>Chemosensors</i> , 2021, 9, 27.	1.8	10
8	High UV and Sunlight Photocatalytic Performance of Porous ZnO Nanostructures Synthesized by a Facile and Fast Microwave Hydrothermal Method. <i>Materials</i> , 2021, 14, 2385.	1.3	41
9	Colloidal Lithography for Photovoltaics: An Attractive Route for Light Management. <i>Nanomaterials</i> , 2021, 11, 1665.	1.9	21
10	Recombination of photo-generated charge carriers in H-terminated and (photo-)oxidized silicon nanoparticles. <i>Applied Materials Today</i> , 2021, 23, 101071.	2.3	3
11	Reusable and highly sensitive SERS immunoassay utilizing gold nanostars and a cellulose hydrogel-based platform. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7516-7529.	2.9	18
12	Wearable Skin Piezoresistive Pressure Sensor Combining Laser Engraving and Shrinking Polymeric Films for Health Monitoring Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100877.	1.9	3
13	Soft-Microstructured Transparent Electrodes for Photonic-Enhanced Flexible Solar Cells. <i>Micro</i> , 2021, 1, 215-227.	0.9	6
14	Porous PDMS conformable coating for high power output carbon fibers/ZnO nanorod-based triboelectric energy harvesters. <i>Nano Energy</i> , 2021, 90, 106582.	8.2	11
15	Light management with quantum nanostructured dots-in-host semiconductors. <i>Light: Science and Applications</i> , 2021, 10, 231.	7.7	10
16	Wave-optical front structures on silicon and perovskite thin-film solar cells. , 2020, , 315-354.		7
17	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
18	Paper-Based In-Situ Gold Nanoparticle Synthesis for Colorimetric, Non-Enzymatic Glucose Level Determination. <i>Nanomaterials</i> , 2020, 10, 2027.	1.9	28

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19	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
20	Solar Cells: Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene-C (Adv. Mater.) Tj ETQq0,0 0 rgBT ₂ /Overlock	1.9	2
21	Size-dependent critical transition in the origin of light emission from core-shell SiO ₂ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9012-9023.	2.7	2
22	Design of wave-optical structured substrates for ultra-thin perovskite solar cells. <i>Applied Materials Today</i> , 2020, 20, 100720.	2.3	34
23	Fast Prototyping Microfluidics: Integrating Droplet Digital Lamp for Absolute Quantification of Cancer Biomarkers. <i>Sensors</i> , 2020, 20, 1624.	2.1	19
24	Piezoelectricity Enhancement of Nanogenerators Based on PDMS and ZnSnO ₃ Nanowires through Microstructuration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18421-18430.	4.0	63
25	Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene-C. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000264.	1.9	19
26	Label-Free Nanosensing Platform for Breast Cancer Exosome Profiling. <i>ACS Sensors</i> , 2019, 4, 2073-2083.	4.0	57
27	Design and Simple Assembly of Gold Nanostar Bioconjugates for Surface-Enhanced Raman Spectroscopy Immunoassays. <i>Nanomaterials</i> , 2019, 9, 1561.	1.9	19
28	All-Thin-Film Perovskite/Ca-Si Four-Terminal Tandems: Interlayer and Intermediate Contacts Optimization. <i>ACS Applied Energy Materials</i> , 2019, 2, 3979-3985.	2.5	18
29	Lightwave trapping in thin film solar cells with improved photonic-structured front contacts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6456-6464.	2.7	26
30	Colloidal-structured metallic micro-grids: High performance transparent electrodes in the red and infrared range. <i>Solar Energy Materials and Solar Cells</i> , 2019, 197, 7-12.	3.0	15
31	Optimum Luminescent Down-Shifting Properties for High Efficiency and Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 2930-2938.	2.5	41
32	E-Skin Bimodal Sensors for Robotics and Prosthesis Using PDMS Molds Engraved by Laser. <i>Sensors</i> , 2019, 19, 899.	2.1	26
33	Photonic-structured TiO ₂ for high-efficiency, flexible and stable Perovskite solar cells. <i>Nano Energy</i> , 2019, 59, 91-101.	8.2	100
34	Oxidation and Strain in Free-standing Silicon Nanocrystals. <i>Physical Review Applied</i> , 2019, 11, .	1.5	16
35	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. <i>Scientific Reports</i> , 2019, 9, 17922.	1.6	38
36	Photovoltaics: Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer (Adv. Mater. Interfaces 2/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870007.	1.9	2

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37	Multifunctional cellulose-paper for light harvesting and smart sensing applications. Journal of Materials Chemistry C, 2018, 6, 3143-3181.	2.7	147
38	Multifunctional microfluidic chip for optical nanoprobe based RNA detection “ application to Chronic Myeloid Leukemia. Scientific Reports, 2018, 8, 381.	1.6	21
39	Optimal-Enhanced Solar Cell Ultra-thinning with Broadband Nanophotonic Light Capture. IScience, 2018, 3, 238-254.	1.9	35
40	Study of the stabilizer influence on the structural and optical properties of sol-gel spin coated zinc oxide films. Materials Science in Semiconductor Processing, 2018, 74, 80-87.	1.9	24
41	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
42	The effects of argon and helium dilution in the growth of nc-Si:H thin films by plasma-enhanced chemical vapor deposition. Journal of Materials Science, 2018, 53, 3672-3681.	1.7	12
43	E-Skin Pressure Sensors Made by Laser Engraved PDMS Molds. Proceedings (mdpi), 2018, 2, 1039.	0.2	7
44	Raman spectrum of nanocrystals: Phonon dispersion splitting and anisotropy. Physical Review B, 2018, 98, .	1.1	13
45	Ultra-fast plasmonic back reflectors production for light trapping in thin Si solar cells. Solar Energy, 2018, 174, 786-792.	2.9	26
46	Paper electronics: a sustainable multifunctional platform. , 2018, , .		0
47	Piezoresistive E-skin Sensors Produced with Laser Engraved Molds. Advanced Electronic Materials, 2018, 4, 1800182.	2.6	56
48	A statistics modeling approach for the optimization of thin film photovoltaic devices. Solar Energy, 2017, 144, 232-243.	2.9	13
49	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
50	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
51	Low-temperature spray-coating of high-performing ZnO:Al films for transparent electronics. Journal of Analytical and Applied Pyrolysis, 2017, 127, 299-308.	2.6	26
52	Flexible thin film solar cells on cellulose substrates with improved light management. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700070.	0.8	19
53	Colloidal-lithographed TiO ₂ photonic nanostructures for solar cell light trapping. Journal of Materials Chemistry C, 2017, 5, 6852-6861.	2.7	41
54	3D ZnO/Ag Surface-Enhanced Raman Scattering on Disposable and Flexible Cardboard Platforms. Materials, 2017, 10, 1351.	1.3	40

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55	Digital Microfluidics for Nucleic Acid Amplification. <i>Sensors</i> , 2017, 17, 1495.	2.1	47
56	A Digital Microfluidics Platform for Loop-Mediated Isothermal Amplification Detection. <i>Sensors</i> , 2017, 17, 2616.	2.1	34
57	Hybrid Microfluidic Platform for Multifactorial Analysis Based on Electrical Impedance, Refractometry, Optical Absorption and Fluorescence. <i>Micromachines</i> , 2016, 7, 181.	1.4	6
58	Optoelectronic Devices from Bacterial NanoCellulose. , 2016, , 179-197.		17
59	Vacuum solid-state ion-conducting silver source for application in field emission electric propulsion systems. <i>Vacuum</i> , 2016, 131, 252-258.	1.6	15
60	Mapping the Electrical Properties of ZnO-Based Transparent Conductive Oxides Grown at Room Temperature and Improved by Controlled Postdeposition Annealing. <i>Advanced Electronic Materials</i> , 2016, 2, 1500287.	2.6	64
61	Design of optimized wave-optical spheroidal nanostructures for photonic-enhanced solar cells. <i>Nano Energy</i> , 2016, 26, 286-296.	8.2	60
62	Influence of post-deposition annealing on electrical and optical properties of ZnO-based TCOs deposited at room temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2317-2328.	0.8	26
63	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
64	Inkjet printed highly porous TiO ₂ films for improved electrical properties of photoanode. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 208-214.	5.0	30
65	An integrated approach for assessing the bioreceptivity of glazed tiles to phototrophic microorganisms. <i>Biofouling</i> , 2016, 32, 243-259.	0.8	13
66	Broadband light trapping in thin film solar cells with self-organized plasmonic nano-colloids. <i>Nanotechnology</i> , 2015, 26, 135202.	1.3	51
67	Solar cells for self-sustainable intelligent packaging. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13226-13236.	5.2	27
68	Thin Film Silicon Photovoltaic Cells on Paper for Flexible Indoor Applications. <i>Advanced Functional Materials</i> , 2015, 25, 3592-3598.	7.8	101
69	Single nucleotide polymorphism detection using gold nanoprobe and bio-microfluidic platform with embedded microlenses. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1210-1219.	1.7	9
70	Nanocrystalline thin film silicon solar cells: A deeper look into p/i interface formation. <i>Thin Solid Films</i> , 2015, 591, 25-31.	0.8	15
71	Broadband photocurrent enhancement in a-Si:H solar cells with plasmonic back reflectors. <i>Optics Express</i> , 2014, 22, A1059.	1.7	60
72	Highly efficient nanoplasmonic SERS on cardboard packaging substrates. <i>Nanotechnology</i> , 2014, 25, 415202.	1.3	54

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73	Ag and Sn Nanoparticles to Enhance the Near-Infrared Absorbance of a-Si:H Thin Films. Plasmonics, 2014, 9, 1015-1023.	1.8	18
74	Color sensing ability of an amorphous silicon position sensitive detector array system. Sensors and Actuators A: Physical, 2014, 205, 26-37.	2.0	3
75	Experimental optimization of a passive planar rhombic micromixer with obstacles for effective mixing in a short channel length. RSC Advances, 2014, 4, 56013-56025.	1.7	14
76	Time-resolved luminescence studies of Eu ³⁺ in soda-lime silicate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 134, 29-38.	1.1	14
77	Bio-microfluidic platform for gold nanoprobe based DNA detection—application to Mycobacterium tuberculosis. Biosensors and Bioelectronics, 2013, 48, 87-93.	5.3	42
78	Influence of the layer thickness in plasmonic gold nanoparticles produced by thermal evaporation. Scientific Reports, 2013, 3, 1469.	1.6	97
79	Role of a disperse carbon interlayer on the performances of tandem a-Si solar cells. Science and Technology of Advanced Materials, 2013, 14, 045009.	2.8	6
80	Microfluidic chip for spectroscopic and refractometric analysis. Proceedings of SPIE, 2012, , .	0.8	0
81	Hydrogen plasma treatment of very thin p-type nanocrystalline Si films grown by RF-PECVD in the presence of B(CH ₃) ₃ . Science and Technology of Advanced Materials, 2012, 13, 045004.	2.8	12
82	Towards single cell spectroscopy and refractometry in microfluidic chip platforms. , 2011, , .		0
83	Silicon thin film solar cells on commercial tiles. Energy and Environmental Science, 2011, 4, 4620.	15.6	65
84	Nanostructured Silicon Based Thin Film Transistors Processed in the Plasma Dark Region. Journal of Nanoscience and Nanotechnology, 2010, 10, 2938-2943.	0.9	0
85	Inkjet printed and “doctor blade” TiO ₂ photodetectors for DNA biosensors. Biosensors and Bioelectronics, 2010, 25, 1229-1234.	5.3	59
86	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
87	Nanostructured silicon and its application to solar cells, position sensors and thin film transistors. Philosophical Magazine, 2009, 89, 2699-2721.	0.7	53
88	Highly conductive p-type nanocrystalline silicon films deposited by RF-PECVD using silane and trimethylboron mixtures at high pressure. Vacuum, 2009, 83, 1253-1256.	1.6	31
89	Study of environmental degradation of silver surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 1215-1218.	0.8	10
90	Spectroscopic ellipsometry study of Co-doped TiO ₂ films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 880-883.	0.8	11

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91	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
92	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
93	n-PS/a-Si:H heterojunction for device application. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2632-2636.	1.5	7
94	3 dimensional polymorphous silicon based metal-insulator-semiconductor position sensitive detectors. <i>Thin Solid Films</i> , 2007, 515, 7530-7533.	0.8	3
95	Optical and structural analysis of porous silicon coated with GZO films using rf magnetron sputtering. <i>Thin Solid Films</i> , 2007, 515, 8664-8669.	0.8	28
96	Investigation of a-Si:H 1D MIS position sensitive detectors for application in 3D sensors. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1787-1791.	1.5	4
97	Study of nanostructured silicon by hydrogen evolution and its application in p-n solar cells. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1945-1948.	1.5	12
98	Spectroscopic ellipsometry study of nickel induced crystallization of a-Si. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1204-1208.	1.5	8
99	Amorphous silicon position sensitive detectors applied to micropositioning. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1792-1796.	1.5	13
100	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
101	Nanostructure characterization of high k materials by spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2006, 253, 339-343.	3.1	13
102	Insights on Amorphous Silicon Nip and MIS 3D Position Sensitive Detectors. <i>Materials Science Forum</i> , 2006, 514-516, 13-17.	0.3	2
103	Characterization of Nickel Induced Crystallized Silicon by Spectroscopic Ellipsometry. <i>Materials Research Society Symposia Proceedings</i> , 2006, 910, 6.	0.1	0
104	Multifunctional Thin Film Zinc Oxide Semiconductors: Application to Electronic Devices. <i>Materials Science Forum</i> , 2006, 514-516, 3-7.	0.3	6
105	Super linear position sensitive detectors using MIS structures. <i>Optical Materials</i> , 2005, 27, 1088-1092.	1.7	10
106	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. <i>Thin Solid Films</i> , 2005, 487, 170-173.	0.8	21
107	Polycrystalline intrinsic zinc oxide to be used in transparent electronic devices. <i>Thin Solid Films</i> , 2005, 487, 212-215.	0.8	50
108	Amorphous silicon-based PINIP structure for color sensor. <i>Thin Solid Films</i> , 2005, 487, 268-270.	0.8	5

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109	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
110	Linearity and sensitivity of MIS position sensitive detectors. Journal of Materials Science, 2005, 40, 1377-1381.	1.7	16
111	Metal induced crystallization: Gold versus aluminium. Journal of Materials Science, 2005, 40, 1387-1391.	1.7	10
112	Flexible a-Si:H Position-Sensitive Detectors. Proceedings of the IEEE, 2005, 93, 1281-1286.	16.4	33
113	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
114	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
115	Effect of Annealing on Gold Rectifying Contacts in Amorphous Silicon. Materials Science Forum, 2004, 455-456, 96-99.	0.3	3
116	Sputtering Preparation of Silicon Nitride Thin Films for Gate Dielectric Applications. Materials Science Forum, 2004, 455-456, 69-72.	0.3	0
117	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
118	Growth of Polymorphous/Nanocrystalline Silicon Films Deposited by PECVD at 13.56 MHz. Materials Science Forum, 2004, 455-456, 532-535.	0.3	1
119	Batch Processing Method to Deposit a-Si:H Films by PECVD. Materials Science Forum, 2004, 455-456, 104-107.	0.3	1
120	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
121	Silicon Etching in CF ₄ /O ₂ and SF ₆ Atmospheres. Materials Science Forum, 2004, 455-456, 120-123.	0.3	1
122	Polycrystalline silicon obtained by metal induced crystallization using different metals. Thin Solid Films, 2004, 451-452, 334-339.	0.8	34
123	High quality conductive gallium-doped zinc oxide films deposited at room temperature. Thin Solid Films, 2004, 451-452, 443-447.	0.8	103
124	Properties of a-Si:H intrinsic films produced by HWP-CVD technique. Thin Solid Films, 2004, 451-452, 366-369.	0.8	0
125	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
126	Effect of the discharge frequency and impedance on the structural properties of polymorphous silicon. Thin Solid Films, 2004, 451-452, 264-268.	0.8	6

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127	Effect of the tunnelling oxide growth by H ₂ O ₂ 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
128	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
129	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
130	Flexible position sensitive photodetectors based on a-Si:H heterostructures. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 119-124.	2.0	6
131	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
132	Polycrystalline silicon obtained by gold metal induced crystallization. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 178-182.	1.5	22
133	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
134	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
135	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
136	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
137	Effect of an interfacial oxide layer in the annealing behaviour of Au/a-Si:H MIS photodiodes. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 810-813.	1.5	2
138	Polymorphous Silicon Films Deposited at 27.12 MHz. <i>Chemical Vapor Deposition</i> , 2003, 9, 333-337.	1.4	13
139	Influence of the deposition pressure on the properties of transparent and conductive ZnO:Ga thin-film produced by r.f. sputtering at room temperature. <i>Thin Solid Films</i> , 2003, 427, 401-405.	0.8	277
140	Spectroscopic ellipsometry study of amorphous silicon anodically oxidised. <i>Thin Solid Films</i> , 2003, 427, 345-349.	0.8	10
141	New challenges on gallium-doped zinc oxide films prepared by r.f. magnetron sputtering. <i>Thin Solid Films</i> , 2003, 442, 102-106.	0.8	92
142	Surface modification of a new flexible substrate based on hydroxypropylcellulose for optoelectronic applications. <i>Thin Solid Films</i> , 2003, 442, 127-131.	0.8	11
143	Polymorphous silicon deposited in large area reactor at 13 and 27 MHz. <i>Thin Solid Films</i> , 2003, 427, 6-10.	0.8	8
144	Growth of ZnO:Ga thin films at room temperature on polymeric substrates: thickness dependence. <i>Thin Solid Films</i> , 2003, 442, 121-126.	0.8	97

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145	Large Area Deposition of Polymorphous Silicon by Plasma Enhanced Chemical Vapor Deposition at 27.12 MHz and 13.56 MHz. Japanese Journal of Applied Physics, 2003, 42, 4935-4942.	0.8	31
146	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
147	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
148	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
149	New insights on large area flexible position sensitive detectors. Journal of Non-Crystalline Solids, 2002, 299-302, 1272-1276.	1.5	27
150	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
151	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
152	Metal-ferroelectric thin film devices. Journal of Non-Crystalline Solids, 2002, 299-302, 1311-1315.	1.5	3
153	High quality a-Si:H films for MIS device applications. Thin Solid Films, 2002, 403-404, 26-29.	0.8	8
154	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
155	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
156	Role of the i layer surface properties on the performance of a-Si:H Schottky barrier photodiodes. Sensors and Actuators A: Physical, 2002, 99, 220-223.	2.0	2
157	Engineering of a-Si:H device stability by suitable design of interfaces. Solar Energy Materials and Solar Cells, 2002, 73, 39-49.	3.0	4
158	Transparent, conductive ZnO:Al thin film deposited on polymer substrates by RF magnetron sputtering. Surface and Coatings Technology, 2002, 151-152, 247-251.	2.2	67
159	Silicon nanostructure thin film materials. Vacuum, 2002, 64, 219-226.	1.6	1
160	Influence of a DC grid on silane r.f. plasma properties. Vacuum, 2002, 64, 387-392.	1.6	3
161	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. Materials Research Society Symposia Proceedings, 2001, 666, 1131.	0.1	0
162	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

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163	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
164	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	0
165	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
166	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
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