

Giampiero de Cesare

List of Publications by Year in descending order

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220
papers

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229
docs citations

229
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Downsizing Effects on Micro and Nano Comb Drives. <i>Actuators</i> , 2022, 11, 71.	2.3	5
2	Evanescence waveguide lab-on-chip for optical biosensing in food quality control. <i>Photonics Research</i> , 2022, 10, 1453.	7.0	9
3	On-Glass Integrated SU-8 Waveguide and Amorphous Silicon Photosensor for On-Chip Detection of Biomolecules: Feasibility Study on Hemoglobin Sensing. <i>Sensors</i> , 2021, 21, 415.	3.8	18
4	Selective contacts and fill factor limitations in heterojunction solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 876-884.	8.1	6
5	Large-Area Thin Film Heater for Thermal Treatments in Lab-on-Chip. , 2021, , .		1
6	Transparent Oxide/Metal/Oxide Thin Film Heater With Integrated Resistive Temperature Sensors. <i>IEEE Sensors Journal</i> , 2021, 21, 18847-18854.	4.7	5
7	Optical Detection of Analytes through Evanescent Waves in Lab-on-Chip Devices. , 2021, , .		2
8	Split Aptamers Immobilized on Polymer Brushes Integrated in a Lab-on-Chip System Based on an Array of Amorphous Silicon Photosensors: A Novel Sensor Assay. <i>Materials</i> , 2021, 14, 7210.	2.9	5
9	Compliant Nano-Pliers as a Biomedical Tool at the Nanoscale: Design, Simulation and Fabrication. <i>Micromachines</i> , 2020, 11, 1087.	2.9	14
10	On the Stability of Amorphous Silicon Temperature Sensors. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 3348-3354.	3.0	7
11	Micro-incubator Based on Lab-on-Glass Technology for Nanosatellite Missions. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 83-89.	0.4	1
12	Stability of Hydrogenated Amorphous Silicon Diodes as Thin Film Temperature Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 259-264.	0.4	0
13	Integrated chemiluminescence-based lab-on-chip for detection of life markers in extraterrestrial environments. <i>Biosensors and Bioelectronics</i> , 2019, 123, 195-203.	10.1	31
14	Development of an Electrochemiluminescence-based Lab-on-Chip Using Thin/Thick Film Technologies. , 2019, , .		1
15	Equivalent Electrical Model of a-Si:H Diodes for Lab-on-Chip Technology. , 2019, , .		2
16	A new NEMS Based Linear-to-Rotary Displacement-Capacity Transducer. , 2019, , .		4
17	Integrated 3D Microfluidic Device for Impedance Spectroscopy in Lab-on-Chip Systems. , 2019, , .		6
18	Thin Film Sensor Platform for on-Chip Detection of Fluorescence-Based Aptamer Assay. , 2019, , .		1

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19	Portable Optoelectronic System for Monitoring Enzymatic Chemiluminescent Reaction. Lecture Notes in Electrical Engineering, 2019, , 189-194.	0.4	0
20	On-Glass Integration of Thin Film Devices for Monitoring of Cell Bioluminescence. Lecture Notes in Electrical Engineering, 2019, , 45-51.	0.4	0
21	On-chip real-time monitoring of multiple displacement amplification of DNA. Sensors and Actuators B: Chemical, 2019, 293, 16-22.	7.8	14
22	Design and Fabrication of Lab-on-chip for Fluorescence Detection of Ruthenium Complex. , 2019, , .		0
23	Fluorescent Label-Free Aptasensor Integrated in a Lab-on-Chip System for the Detection of Ochratoxin A in Beer and Wheat. ACS Applied Bio Materials, 2019, 2, 5880-5887.	4.6	20
24	On-chip LAMP-BART reaction for viral DNA real-time bioluminescence detection. Sensors and Actuators B: Chemical, 2018, 262, 1024-1033.	7.8	21
25	Integrated Sensor System for DNA Amplification and Separation Based on Thin Film Technology. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1141-1148.	2.5	11
26	Advances, challenges and opportunities for point-of-need screening of mycotoxins in foods and feeds. Analyst, The, 2018, 143, 1015-1035.	3.5	33
27	Optoelectronic System for Mycotoxin Detection in Food Quality Control. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1195-1202.	2.5	7
28	Integrated Evanescent Waveguide Detector for Optical Sensing. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1180-1186.	2.5	22
29	Integration of Amorphous Silicon Photosensors with Thin Film Interferential Filter for Biomolecule Detection. Lecture Notes in Electrical Engineering, 2018, , 121-127.	0.4	0
30	Development of a NEMS-Technology Based Nano Gripper. Mechanisms and Machine Science, 2018, , 601-611.	0.5	8
31	Hydrogenated silicon sub-oxide film for an effective and thermal stable silicon surface passivation. , 2018, , .		0
32	Integrated Optoelectronic Device for Detection of Fluorescent Molecules. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1337-1344.	4.0	14
33	On-Glass Optoelectronic Platform for On-Chip Detection of DNA. Proceedings (mdpi), 2018, 2, 1014.	0.2	1
34	Temperature effects on sputtered ITO. , 2018, , .		2
35	An Interdisciplinary Approach to the Nanomanipulation of SiO ₂ Nanoparticles: Design, Fabrication and Feasibility. Applied Sciences (Switzerland), 2018, 8, 2645.	2.5	12
36	An Approach to the Extreme Miniaturization of Rotary Comb Drives. Actuators, 2018, 7, 70.	2.3	16

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37	Optoelectronics properties of tungsten oxide nanoparticle networks deposited by flame spray pyrolysis. MRS Advances, 2018, 3, 3391-3396.	0.9	1
38	Amorphous Silicon Temperature Sensors Integrated with Thin Film Heaters for Thermal Treatments of Biomolecules. Lecture Notes in Electrical Engineering, 2018, , 183-193.	0.4	1
39	Design, Fabrication and Testing of a Capillary Microfluidic System with Stop-and-Go Valves Using EWOD Technology. Lecture Notes in Electrical Engineering, 2018, , 200-208.	0.4	0
40	Enhancement in PDMS-Based Microfluidic Network for On-Chip Thermal Treatment of Biomolecules. Lecture Notes in Electrical Engineering, 2018, , 99-106.	0.4	0
41	Optoelectronic System-on-Glass for On-Chip Detection of Fluorescence. Lecture Notes in Electrical Engineering, 2018, , 143-149.	0.4	2
42	Design of an Evanescent Waveguide Sensor Based on a-Si:H Photodiodes for Lab-on-Chip Applications. Lecture Notes in Electrical Engineering, 2018, , 137-142.	0.4	2
43	Portable detection system for Ochratoxin A by real time chromatography and a-Si:H photodiodes. , 2017, , .		2
44	Electro-optical detector for lab-on-chip applications. , 2017, , .		1
45	Multifunctional System-on-Glass for Lab-on-Chip applications. Biosensors and Bioelectronics, 2017, 93, 315-321.	10.1	38
46	Lab-on-glass system for DNA treatments. , 2017, , .		1
47	Integration of electrowetting technology inside an all-glass microfluidic network. , 2017, , .		0
48	Evanescent Waveguide Sensor for On-Chip Biomolecular Detection. Proceedings (mdpi), 2017, 1, 562.	0.2	0
49	An All-Glass Microfluidic Network with Integrated Amorphous Silicon Photosensors for on-Chip Monitoring of Enzymatic Biochemical Assay. Biosensors, 2017, 7, 58.	4.7	11
50	Integrated System Based on Thin Film Technologies for Cell-Based Bioluminescence Assays. Proceedings (mdpi), 2017, 1, .	0.2	1
51	Integrated Sensor based on a-Si:H Photodiodes and Diffused Glass Waveguides for Biomedical Applications. , 2017, , .		0
52	Thin Film Differential Photosensor for Reduction of Temperature Effects in Lab-on-Chip Applications. Sensors, 2016, 16, 267.	3.8	3
53	Integration of Amorphous Silicon Balanced Photodiodes and Thin Film Heaters for Biosensing Application. Procedia Engineering, 2016, 168, 1434-1437.	1.2	1
54	Integration of Capillary and EWOD Technologies for Autonomous and Low-power Consumption Micro-analytical Systems. Procedia Engineering, 2016, 168, 1370-1373.	1.2	3

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55	Technologies for autonomous integrated lab-on-chip systems for space missions. Acta Astronautica, 2016, 128, 401-408.	3.2	12
56	Chemiluminescence lateral flow immunoassay cartridge with integrated amorphous silicon photosensors array for human serum albumin detection in urine samples. Analytical and Bioanalytical Chemistry, 2016, 408, 8869-8879.	3.7	46
57	Microfluidic cartridge with integrated array of amorphous silicon photosensors for chemiluminescence detection of viral DNA. Sensing and Bio-Sensing Research, 2016, 7, 127-132.	4.2	3
58	Aptamer-based sandwich assay for on chip detection of Ochratoxin A by an array of amorphous silicon photosensors. Sensors and Actuators B: Chemical, 2016, 230, 31-39.	7.8	48
59	Detection of viral DNA by isothermal NASBA amplification and chemiluminescence gene probe hybridization assay in a microfluidic cartridge. Journal of Clinical Virology, 2015, 70, S91-S92.	3.1	2
60	Array of differential photodiodes for thermal effects minimization in biomolecular analysis. , 2015, , .		0
61	Multilayer integrated structure for selective detection of Ochratoxin A. , 2015, , .		1
62	Amorphous Silicon p-i-n Structure Acting as Light and Temperature Sensor. Sensors, 2015, 15, 12260-12272.	3.8	32
63	On-chip detection performed by amorphous silicon balanced photosensor for lab-on chip application. Sensing and Bio-Sensing Research, 2015, 3, 53-58.	4.2	7
64	Simultaneous measurement of light and temperature by a single amorphous silicon sensor. , 2015, , .		1
65	Lab-on-chip system combining a microfluidic-ELISA with an array of amorphous silicon photosensors for the detection of celiac disease epitopes. Sensing and Bio-Sensing Research, 2015, 6, 51-58.	4.2	33
66	Thermal control system based on thin film heaters and amorphous silicon diodes. , 2015, , .		11
67	Relevance Of TCO workfunction in n-silicon oxide emitter - c-Si (p) heterojunction solar cell. , 2015, , .		0
68	Amorphous silicon photosensors integrated in microfluidic structures as a technological demonstrator of a "Lab-on-Chip system. Sensing and Bio-Sensing Research, 2015, 3, 98-104.	4.2	15
69	Thermally actuated microfluidic system for lab on chip applications. , 2015, , .		3
70	Drop position sensing in digital microfluidics based on capacitance measurement. , 2015, , .		1
71	Design and experimental characterization of thin film heaters on glass substrate for Lab-on-Chip applications. Sensors and Actuators A: Physical, 2015, 229, 203-210.	4.1	26
72	Thermal characterization of thin film heater for lab-on-chip application. , 2015, , .		4

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73	2-D digital microfluidic system for droplet handling using Printed Circuit Board technology. , 2015, , .		3
74	Rapid prototyping of glass microfluidic chips based on autonomous capillary networks for physiological solutions. , 2015, , .		2
75	Design and fabrication of microfluidics system integrated with temperature actuated microvalve. Sensors and Actuators A: Physical, 2015, 236, 206-213.	4.1	20
76	Sophie: A General Purpose Sub-Picoamps Current Readout Electronics. Lecture Notes in Electrical Engineering, 2015, , 285-289.	0.4	4
77	Amorphous Silicon Photosensors for Food Quality Control Applications. Lecture Notes in Electrical Engineering, 2015, , 249-253.	0.4	1
78	Evaluation of Hydrogen plasma effect in a-Si:H/c-Si interface by means of Surface Photovoltage measurement and FTIR spectroscopy. , 2014, , .		1
79	Hydrogen Plasma and Thermal Annealing Treatments on a-Si:H Thin Film for c-Si Surface Passivation. Energy Procedia, 2014, 60, 102-108.	1.8	13
80	Multi-channel Very-low-noise Current Acquisition System with On-board Voltage Supply for Sensor Biasing and Readout. Procedia Engineering, 2014, 87, 1577-1580.	1.2	3
81	Polydimethylsiloxane material as hydrophobic and insulating layer in electrowetting-on-dielectric systems. Microelectronics Journal, 2014, 45, 1684-1690.	2.0	31
82	Thermal characterization of a thin film heater on glass substrate for lab-on-chip applications. , 2014, , .		7
83	On-chip detection of multiple serum antibodies against epitopes of celiac disease by an array of amorphous silicon sensors. RSC Advances, 2014, 4, 2073-2080.	3.6	38
84	Multiwell cartridge with integrated array of amorphous silicon photosensors for chemiluminescence detection: development, characterization and comparison with cooled-CCD luminograph. Analytical and Bioanalytical Chemistry, 2014, 406, 5645-5656.	3.7	34
85	Amorphous silicon photosensors for on-chip detection in digital microfluidic system. Sensors and Actuators A: Physical, 2014, 216, 1-6.	4.1	7
86	DEMOCHEM: Integrated System for Mycotoxins Detection. Procedia Engineering, 2014, 87, 1354-1357.	1.2	4
87	Chemiluminescence-Based Micro-Total-Analysis System with Amorphous Silicon Photodiodes. Lecture Notes in Electrical Engineering, 2014, , 207-211.	0.4	4
88	Thin Film Device for Background Photocurrent Rejection in Biomolecular Analysis Systems. Lecture Notes in Electrical Engineering, 2014, , 281-285.	0.4	0
89	Microfluidic Chip With Integrated a-Si:H Photodiodes for Chemiluminescence-Based Bioassays. IEEE Sensors Journal, 2013, 13, 2595-2602.	4.7	38
90	Electrowetting-on-dielectric system based on polydimethylsiloxane. , 2013, , .		8

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91	Performances of amorphous silicon photodiodes integrated in chemiluminescence based $\hat{1}/4$ -TAS. Proceedings of SPIE, 2013, , .	0.8	1
92	Amorphous silicon balanced photodiode for microfluidic applications. Proceedings of SPIE, 2013, , .	0.8	1
93	Surface photovoltage as a tool to monitor the effect of hydrogen treatment on a-Si:H/c-Si heterojunction. , 2013, , .		3
94	Monitoring of Temperature Distribution in a Thin Film Heater by an Array of a-Si:H Temperature Sensors. IEEE Sensors Journal, 2012, 12, 1209-1213.	4.7	28
95	Amorphous Silicon Photosensors for Detection of Ochratoxin a in Wine. IEEE Sensors Journal, 2012, 12, 2674-2679.	4.7	29
96	Contact Formation on a-Si:H/c-Si Heterostructure Solar Cells. Engineering Materials, 2012, , 331-375.	0.6	8
97	Electrical Properties of ITO/Crystalline-Silicon Contact at Different Deposition Temperatures. IEEE Electron Device Letters, 2012, 33, 327-329.	3.9	33
98	Modeling of the photo-response of a smart thin layer chromatography system. , 2011, , .		5
99	Early detection of ochratoxigenic fungi in wine grapes and of ochratoxin A in wine. Annals of Microbiology, 2011, 61, 11-15.	2.6	9
100	Heterojunction solar cells on multi- crystalline silicon: surface treatments. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 928-931.	0.8	0
101	Back contact formation for p-type based a-Si:H/c-Si heterojunction solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 932-935.	0.8	14
102	High dynamic range current-to-digital readout electronics for lab-on-chip applications. , 2011, , .		2
103	Detection system based on a novel large area hybrid detector. Microelectronics Journal, 2010, 41, 752-757.	2.0	0
104	a-Si:H temperature sensor integrated in a thin film heater. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 708-711.	1.8	19
105	Improving the built-in potential of p-i-n amorphous silicon solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA.	0.8	0
106	Characterization of the common mode rejection ratio of amorphous silicon balanced photodiode. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1164-1167.	0.8	0
107	Built-in Enhancement in a-Si:H Solar Cell by Chromium Silicide Layer. IEEE Electron Device Letters, 2010, 31, 689-691.	3.9	9
108	Linear Photosensor Array for On-Chip Food Quality Control Based on Thin Layer Chromatography. Sensor Letters, 2010, 8, 465-469.	0.4	5

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109	Lab-on-Glass System for DNA Analysis using Thin and Thick Film Technologies. Materials Research Society Symposia Proceedings, 2009, 1191, 48.	0.1	24
110	Bragg reflector and laser fired back contact in a-Si:H/c-Si heterostructure solar cell. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 159-160, 48-52.	3.5	9
111	On the fabrication and characterization of amorphous silicon ultra-violet sensor array. Thin Solid Films, 2009, 517, 6422-6425.	1.8	2
112	Amorphous silicon twin photodiode structure for differential current measurements. Thin Solid Films, 2009, 517, 6418-6421.	1.8	2
113	Amorphous silicon balanced photodiode for detection of ultraviolet radiation. Sensors and Actuators A: Physical, 2009, 153, 1-4.	4.1	8
114	Amorphous silicon balanced photodiode for application in biomolecular analysis. , 2009, , .		1
115	Large area hybrid detector technology based on amorphous silicon photosensors. , 2009, , .		1
116	Innovative design of amorphous/crystalline silicon heterojunction solar cell. Thin Solid Films, 2008, 516, 6771-6774.	1.8	7
117	Detailed Study of Amorphous Silicon Ultraviolet Sensor With Chromium Silicide Window Layer. IEEE Transactions on Electron Devices, 2008, 55, 452-456.	3.0	29
118	Back contacted a-Si:H/c-Si heterostructure solar cells. Journal of Non-Crystalline Solids, 2008, 354, 2386-2391.	3.1	22
119	Chromatography system based on amorphous silicon sensor. Journal of Non-Crystalline Solids, 2008, 354, 2615-2618.	3.1	5
120	Characterization of chromium silicide thin layer formed on amorphous silicon films. Journal of Non-Crystalline Solids, 2008, 354, 2171-2175.	3.1	23
121	Back contacted a-Si:H/c-Si heterostructure with laser fired contact "BEHIND" - solar cell. , 2008, , .		13
122	Innovative Amorphous Silicon Balanced Ultraviolet Photodiode. IEEE Electron Device Letters, 2008, 29, 1299-1301.	3.9	3
123	Label-free DNA analysis system based on Lab-On-Glass technology. , 2008, , .		0
124	Dielectric Bragg back reflecting mirror in a-Si:H / c-Si heterostructure solar cell. , 2008, , .		0
125	Two-Color Sensor for Biomolecule Detection. Sensor Letters, 2008, 6, 542-547.	0.4	10
126	Detection of labelled DNA based on amorphous silicon devices. , 2008, , .		0

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127	On The Realization Of Chromium Silicide Stress Sensor. , 2008, , .		0
128	Innovative Chromatographic System Based on Amorphous Silicon Sensors. Sensor Letters, 2008, 6, 537-541.	0.4	0
129	Two-color amorphous silicon photodiode for multicolor detection of labeled DNA. , 2007, , .		0
130	An alternative system for mycotoxin detection based on amorphous silicon sensors. , 2007, , .		1
131	Amorphous Silicon Sensors for Single and Multicolor Detection of Biomolecules. IEEE Sensors Journal, 2007, 7, 1274-1280.	4.7	25
132	Smart thin layer chromatography plate. Lab on A Chip, 2007, 7, 978.	6.0	27
133	Chromatographic System Based on Amorphous Silicon Photodiodes. , 2007, , .		0
134	Improving the stability of amorphous silicon ultraviolet sensors. Thin Solid Films, 2007, 515, 7517-7521.	1.8	14
135	Chromium silicide film on ceramic substrate for pressure measurement. Thin Solid Films, 2007, 515, 7647-7649.	1.8	0
136	Spectral tuned amorphous silicon p ⁺ for DNA detection. Journal of Non-Crystalline Solids, 2006, 352, 2004-2006.	3.1	27
137	Innovative window layer for amorphous silicon/amorphous silicon carbide UV sensor. Journal of Non-Crystalline Solids, 2006, 352, 1818-1821.	3.1	5
138	Spectral behaviour of an INTEGRAL sample of black hole candidates: Initial results. Advances in Space Research, 2006, 38, 1369-1373.	2.6	0
139	Maximum power point tracker for portable photovoltaic systems with resistive-like load. Solar Energy, 2006, 80, 982-988.	6.1	60
140	Hydrogenated amorphous silicon ultraviolet sensor for deoxyribonucleic acid analysis. Applied Physics Letters, 2006, 88, 083904.	3.3	48
141	Innovative Optoelectronic Approaches to Biomolecular Analysis with Arrays of Silicon Devices. , 2006, , .		2
142	1E 1740.7 ⁺ 2942: Temporal and spectral evolution from INTEGRAL and RXTE observations. Astronomy and Astrophysics, 2005, 433, 613-617.	5.1	26
143	Comparison of amorphous/crystalline heterojunction solar cells based on n- and p-type crystalline silicon. Thin Solid Films, 2004, 451-452, 355-360.	1.8	38
144	17% efficiency heterostructure solar cell based on p-type crystalline silicon. Journal of Non-Crystalline Solids, 2004, 338-340, 663-667.	3.1	50

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145	a-Si:H alloy for stress sensor application. Journal of Non-Crystalline Solids, 2004, 338-340, 725-728.	3.1	8
146	Amorphous silicon junction field-effect transistor with low pinch-off voltage for analog applications. Journal of Non-Crystalline Solids, 2004, 338-340, 762-765.	3.1	1
147	Low pinch-off voltage amorphous silicon junction field-effect transistor: experiment and simulation. IEEE Transactions on Electron Devices, 2003, 50, 1559-1561.	3.0	2
148	Experimental realization of field effect a-Si:H solar cells. Thin Solid Films, 2003, 427, 166-170.	1.8	3
149	A novel a-Si:H mechanical stress sensor. Thin Solid Films, 2003, 427, 191-195.	1.8	28
150	Laser treatment of amorphous silicon junction field effect transistor channel. Journal of Non-Crystalline Solids, 2002, 299-302, 1326-1329.	3.1	0
151	Photocapacitance of Hydrogenated Amorphous Silicon Phototransistors. Materials Research Society Symposia Proceedings, 2001, 664, 2631.	0.1	0
152	Characterisation and modelling of a two terminal visible/infrared photodetector based on amorphous/crystalline silicon heterostructure. Sensors and Actuators A: Physical, 2001, 88, 139-145.	4.1	7
153	Non Linear Optical Gain in Bulk Barrier Amorphous Silicon Phototransistor. Materials Research Society Symposia Proceedings, 2000, 609, 1231.	0.1	0
154	A Junction Field Effect Transistor Based on Hydrogenated Amorphous Silicon. Materials Research Society Symposia Proceedings, 2000, 609, 3111.	0.1	0
155	Optical link for digital transmissions using porous silicon light emitting diode. Journal of Non-Crystalline Solids, 2000, 266-269, 1238-1240.	3.1	1
156	On the relation between defect density and dopant concentration in amorphous silicon films. Journal of Non-Crystalline Solids, 2000, 266-269, 565-568.	3.1	7
157	Amorphous silicon p-n on p crystalline silicon photodetector in the visible and near infrared spectrum. Journal of Non-Crystalline Solids, 2000, 266-269, 1218-1222.	3.1	3
158	Amorphous silicon junction field-effect transistor for digital and analog applications. Applied Physics Letters, 2000, 77, 1390-1392.	3.3	4
159	TECHNOLOGY OF LARGE AREA TWO-DIMENSIONAL COLOR IMAGE SENSOR. , 2000, , .		0
160	Thin film photodetectors for the UV and vacuum UV spectral range. , 1999, 3737, 363.		0
161	Experimental evidence of boron induced charged defects in amorphous silicon materials. Thin Solid Films, 1999, 348, 79-83.	1.8	2
162	Amorphous silicon switching device for high-resolution two-color photodetector matrix. Sensors and Actuators A: Physical, 1999, 78, 108-113.	4.1	6

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163	Near Infrared Response of Amorphous Silicon Detector Grown with Microcompensated Absorber Layer. Materials Research Society Symposia Proceedings, 1999, 557, 839.	0.1	1
164	Modeling and realization of an amorphous silicon device with negative differential resistance. IEEE Transactions on Electron Devices, 1998, 45, 270-276.	3.0	2
165	Interaction of phosphorus and boron in compensated amorphous silicon films. Journal of Non-Crystalline Solids, 1998, 227-230, 380-384.	3.1	7
166	Modulation of threshold voltages in bidirectional a-Si:H switching devices. Journal of Non-Crystalline Solids, 1998, 227-230, 1192-1195.	3.1	0
167	Amorphous silicon sensors for oxidised porous silicon optical waveguides buried in silicon wafers. Journal of Non-Crystalline Solids, 1998, 227-230, 1354-1358.	3.1	2
168	Metastability effect in solar blind UV amorphous silicon carbide photodetector. Journal of Non-Crystalline Solids, 1998, 227-230, 1316-1320.	3.1	10
169	Infrared photodetection at room temperature using photocapacitance in amorphous silicon structures. Applied Physics Letters, 1998, 72, 1229-1231.	3.3	23
170	A Novel Room Temperature Infrared Detector Using Micro-Compensated Amorphous Silicon. Materials Research Society Symposia Proceedings, 1998, 507, 219.	0.1	1
171	Amorphous Silicon Photodetectors for Silicon Based Optical Waveguides. Solid State Phenomena, 1997, 54, 45-49.	0.3	1
172	On the Compensation Mechanism of Amorphous Silicon Films: Study of Stability. Materials Research Society Symposia Proceedings, 1997, 467, 91.	0.1	3
173	Amorphous/Crystalline Silicon Two Terminal Visible/Infrared Tunable Photodetector: Modeling and Realization. Materials Research Society Symposia Proceedings, 1997, 467, 937.	0.1	0
174	Evidence of Hysteresis in a New p-i-n-i-p-i-n Amorphous Silicon Device. Materials Research Society Symposia Proceedings, 1997, 467, 943.	0.1	0
175	Thin-film photodetectors for the vacuum ultraviolet spectral region. Applied Optics, 1997, 36, 2751.	2.1	3
176	Amorphous silicon thin film as tuneable and high sensitive photodetector in the UV and far UV spectral range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 387, 243-245.	1.6	4
177	Laser and nitrogen plasma beam induced modifications in amorphous silicon thin films. Applied Surface Science, 1997, 109-110, 87-92.	6.1	0
178	Investigation of amorphous silicon compensated materials over a wide range of dopant concentrations. Thin Solid Films, 1997, 303, 269-272.	1.8	9
179	New a-Si:H two-terminal switching device for active display. Journal of Non-Crystalline Solids, 1996, 198-200, 1134-1136.	3.1	16
180	Amorphous silicon UV photodetectors with rejection of the visible spectrum. Journal of Non-Crystalline Solids, 1996, 198-200, 1198-1201.	3.1	9

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181	Variable spectral response photodetector based on crystalline/amorphous silicon heterostructure. Journal of Non-Crystalline Solids, 1996, 198-200, 1189-1192.	3.1	8
182	<title>Amorphous silicon thin film photodetectors with high sensitivity and selectivity in the ultraviolet spectrum</title>. , 1996, 2808, 605.		1
183	Effect Of $\hat{1}/4$ -Doped Compensated Material on Stability of a-Si:H Solar Cells. Materials Research Society Symposia Proceedings, 1996, 420, 27.	0.1	1
184	Crystallization of amorphous silicon carbide thin films by laser treatment. Surface and Coatings Technology, 1996, 80, 237-241.	4.8	12
185	Modeling and realization of a high-gain homojunction a-Si:H bulk barrier phototransistor. IEEE Transactions on Electron Devices, 1996, 43, 1077-1084.	3.0	9
186	Solar-blind UV photodetectors for large area applications. IEEE Transactions on Electron Devices, 1996, 43, 1351-1356.	3.0	53
187	A switching device based on a-Si:H n-i- $\hat{1}$ p-i-n stacked structure: modeling and characterization. IEEE Transactions on Electron Devices, 1996, 43, 2109-2112.	3.0	9
188	Conductivity effects in hydrogenated amorphous silicon induced by gamma-ray irradiation. Sensors and Actuators B: Chemical, 1996, 31, 107-109.	7.8	0
189	Activation of dopant in the p-layer of amorphous silicon solar cells under illumination. Solar Energy Materials and Solar Cells, 1996, 43, 263-272.	6.2	8
190	Crystallization of silicon carbide thin films by pulsed laser irradiation. Applied Surface Science, 1996, 106, 193-197.	6.1	8
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