

Miguel Fernandes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

532
citations

11
h-index

17
g-index

181
ext. papers

613
ext. citations

2.8
avg, IF

2.78
L-index

#	Paper	IF	Citations
159	Electrical, optical and photoconductive properties of Sn-doped indium sulfofluoride thin films. <i>Materials Science in Semiconductor Processing</i> , 2021 , 121, 105349	4.3	0
158	Photoconductivity kinetics of indium sulfofluoride thin films. <i>EPJ Applied Physics</i> , 2020 , 89, 10302	1.1	1
157	Plasmonic properties of gold nanospheres coupled to reduced graphene oxide for biosensing applications * 2019 ,		2
156	Conducting indium oxide films on plastic substrates by plasma enhanced reactive thermal evaporation. <i>Thin Solid Films</i> , 2019 , 691, 137604	2.2	0
155	A simulation analysis for dimensioning of an amorphous silicon planar waveguide structure suitable to be used as a surface plasmon resonance biosensor 2019 ,		1
154	Characterization of Plasmonic Effects in AuNP+rGO Composite as a Sensing Layer for a Low-cost Lab-on-chip Biosensor 2019 ,		1
153	Etchability Dependence of InOx and ITO Thin Films by Plasma Enhanced Reactive Thermal Evaporation on Structural Properties and Deposition Conditions. <i>MRS Advances</i> , 2018 , 3, 207-212	0.7	1
152	Finite-difference time-domain analysis of hydrogenated amorphous silicon and aluminum surface plasmon waveguides. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	
151	A Simulation Study of Surface Plasmons in Metallic Nanoparticles: Dependence on the Properties of an Embedding a-Si:H Matrix. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700487	1.6	4
150	Analysis of metallic nanoparticles embedded in thin film semiconductors for optoelectronic applications. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	4
149	Local Surface Plasmon Resonance of metallic nanoparticles embedded in amorphous silicon. <i>Ciência & Tecnologia Dos Materiais</i> , 2017 , 29, e146-e150		0
148	Simulation of localized surface plasmon in metallic nanoparticles embedded in amorphous silicon 2017 ,		1
147	Amorphous Silicon Photovoltaic Modules on Flexible Plastic Substrates. <i>MRS Advances</i> , 2016 , 1, 2923-2928		
146	Automated rf-PERTE System for Room Temperature Deposition of TCO Coatings. <i>Energy Procedia</i> , 2016 , 102, 96-101	2.3	4
145	PINPIN a-Si:H based structures for X-ray image detection using the laser scanning technique. <i>Applied Surface Science</i> , 2015 , 336, 222-225	6.7	
144	Preparation and Characterization of a-SiC:H Absorber Layer for Semi-transparent Solar Cells. <i>Energy Procedia</i> , 2015 , 84, 56-61	2.3	1
143	Characterization of a-Si:H Solar Cell Modules on Plastic Substrates by High Resolution LBIC Technique. <i>Energy Procedia</i> , 2015 , 84, 93-98	2.3	

142	MIS Sensor for Luminance Control of AMOLED Pixel. <i>Procedia Technology</i> , 2014 , 17, 574-579		
141	A Distributed SPICE Model for Amorphous Silicon Solar Cells. <i>Energy Procedia</i> , 2014 , 60, 96-101	2.3	2
140	Automated PECVD System for Fabrication of a-Si:H Devices. <i>Procedia Technology</i> , 2014 , 17, 580-586		
139	Optimization of the protocrystalline p-layer in a-Si:H-based n-i-p photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1666, 59		
138	Simulation in Amorphous Silicon and Amorphous Silicon Carbide Pin Diodes. <i>IFIP Advances in Information and Communication Technology</i> , 2014 , 602-609	0.5	
137	Capacitive effects in pinpin photodiodes. <i>Microelectronic Engineering</i> , 2013 , 108, 195-199	2.5	2
136	Driving Scheme Using MIS Photosensor for Luminance Control of AMOLED Pixel. <i>Journal of Display Technology</i> , 2013 , 9, 651-655		1
135	Thin-Film Phototransistor with nc-Si:H/a-Si:H Bilayer Channel. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1426, 205-210		
134	Three Transducers Embedded into a Single SiC Photodetector: LSP Direct Image Sensor, Optical Amplifier and Demux. <i>Journal of Nano Research</i> , 2012 , 18-19, 265-270	1	
133	Three Transducers Embedded into One Single SiC Photodetector: LSP Direct Image Sensor, Optical Amplifier and Demux Device 2011 ,		4
132	Semiconductor device as optical demultiplexer for short range optical communications. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 5318-22	1.3	3
131	Detection of change in fluorescence between reactive cyan and the yellow fluorophores using a-SiC:H multilayer transducers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 8657-62	1.3	
130	Multilayer architectures based on a-SiC:H material: tunable wavelength filters in optical processing devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 5299-304	1.3	3
129	Membrane selectivity versus sensor response in hydrogenated amorphous silicon CHEMFETs using a semi-empirical model. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 8844-7	1.3	
128	Optical demultiplexer device operating in the visible spectrum. <i>Sensors and Actuators A: Physical</i> , 2011 , 172, 35-39	3.9	5
127	Photo-sensing devices using a-Si based materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1079-1082		1
126	Light-triggered silicon-carbon pi npin devices with self amplification. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1083-1086		
125	Photodiode with nanocrystalline Si/amorphous Si absorber bilayer. <i>Applied Physics Letters</i> , 2011 , 99, 1913-14	1.1	1

- 124 Optical bias controlled amplification in tandem Si-C pinpin devices. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 417
- 123 Use of a-SiC:H multilayer transducers for detection of fluorescence signals from reactive cyan and yellow fluorophores. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 223
- 122 Self optical gain in multilayered silicon-carbon heterostructures: A capacitive active band-pass filter model. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 441 1
- 121 DEMUX SiC optical transducers for fluorescent proteins detection. *Materials Research Society Symposia Proceedings*, **2011**, 1324, 137
- 120 Use of a-SiC:H Photodiodes in Optical Communications Applications **2011**, 3
- 119 Optical Transducers Based on Amorphous Si/SiC Photodiodes. *International Federation for Information Processing*, **2011**, 604-611
- 118 Demultiplexer/Photodetector Integrated System Based on a-SiC:H Multilayered Structures. *Materials Research Society Symposia Proceedings*, **2010**, 1245, 1
- 117 Reviewing Photo-sensing Devices Using a-SiC Based Materials. *Materials Research Society Symposia Proceedings*, **2010**, 1245, 1
- 116 a-SiC:H Based Devices as Optical Demultiplexers. *Materials Research Society Symposia Proceedings*, **2010**, 1246, 1
- 115 Monolithic a-SiC:H stack architectures as tunable optical filters for spectral analysis. *Materials Research Society Symposia Proceedings*, **2010**, 1246, 1
- 114 Light-triggered Silicon-carbon Piñpin Devices for Optical Communications: Theoretical and Electrical Approaches. *Materials Research Society Symposia Proceedings*, **2010**, 1245, 1
- 113 Double Pin Photodiodes with Two Optical Gate Connections for Light Triggering **2010**, 3
- 112 Direct color sensor, optical amplifier and demux device integrated on a single monolithic SiC photodetector. *Procedia Engineering*, **2010**, 5, 232-235 2
- 111 Optical demultiplexer device operating in the visible spectrum. *Procedia Engineering*, **2010**, 5, 657-660
- 110 Optical processing devices based on a-SiC:H multilayer architectures. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, NA-NA 2
- 109 Optical demultiplexer based on an a-SiC:H voltage controlled device. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, NA-NA 1
- 108 Voltage controlled amorphous Si/SiC photodiodes and phototransistors as wavelength selective devices: Theoretical and electrical approaches. *Materials Research Society Symposia Proceedings*, **2009**, 1153, 1 8
- 107 Electronic detection and quantification of ions in solution using an a-Si:H field-effect device. *Materials Research Society Symposia Proceedings*, **2009**, 1153, 1 1

106	Modeling a-SiC:H tandem pinpin and pinip photodiodes for color sensor application. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4028-33	1.3	1
105	Fine Tuning of the Spectral Sensitivity in a-SiC:H Stacked p-i-n Graded Cells. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		
104	Optical Processing Devices for Optical Communications: Multilayered a-SiC:H Architectures. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		
103	a-Si:H p-i-n structures with extreme i-layer thickness. <i>Thin Solid Films</i> , 2009 , 517, 6426-6429	2.2	
102	Large area double p-i-n heterostructure for signal multiplexing and demultiplexing in the visible range. <i>Thin Solid Films</i> , 2009 , 517, 6435-6439	2.2	5
101	Optical multiplexer for short range communications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1082-1085	3	13
100	Photocurrent and spectral response analysis of a-SiC:H pinip and pinpin photodiodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4254-8	1.3	
99	Pinpin and pinpin multilayer devices with voltage controlled optical readout. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4022-7	1.3	15
98	Transient current in a-Si:H-based MIS photosensors. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1066, 1		1
97	Non-selective optical wavelength-division multiplexing devices based on a-SiC:H multilayer heterostructures. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1076, 1		
96	Improvement in pinpin Device Architectures for Imaging Applications. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1066, 1		
95	Multilayered a-SiC:H device for Wavelength-Division (de)Multiplexing applications in the visible spectrum. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1066, 1		2
94	Spectral response characterization of a-Si:H-based MIS-type photosensors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 3410-3413		3
93	Analysis and simulation of a-Si:H/a-SiC:H PINIP structures for color image detection. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2069-2074	1.6	1
92	Self-biasing effect in colour sensitive photodiodes based on double p-i-n a-SiC:H heterojunctions. <i>Vacuum</i> , 2008 , 82, 1512-1516	3.7	26
91	Colour sensitive devices based on double p-i-n-i-p stacked photodiodes. <i>Thin Solid Films</i> , 2007 , 515, 7526-7529		4
90	Bias sensitive multispectral structures for imaging applications. <i>Thin Solid Films</i> , 2007 , 515, 7566-7570	2.2	11
89	Modeling and Characterization of the Hydrogenated Amorphous Silicon Metal Insulator Semiconductor Photosensors for Digital Radiography. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 6		2

88	Preliminary Results on Large Area X-ray a-SiC:H Multilayer Detectors with Optically Addressed Readout. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 2		1
87	Modeling the Laser Scanned Photodiode S-shaped J-V Characteristic. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 3		
86	Optical Readout in Pin π and Pini π Imagers: A Comparison. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 4		12
85	An amorphous SiC/Si image photodetector with voltage-selectable spectral response. <i>Thin Solid Films</i> , 2006 , 511-512, 167-171	2.2	8
84	Light Filtering Properties in a-SiC:H Multilayer Structures: A SPICE model. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 1		
83	Band Gap Engineering and Electrical Field Tailoring for Voltage Controlled Spectral Sensitivity. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 2		
82	Light filtering in a-SiC:H multilayers stacked devices using the LSP technique. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1809-1812	3.9	1
81	Spice model for a laser scanned photodiode tricolor image sensor. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1813-1817	3.9	1
80	The laser scanned photodiode: Theoretical and electrical models of the image sensor. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1801-1804	3.9	4
79	a-SiC:H/a-Si:H tandem structure analysis for RGB color recognition in LSP devices. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1805-1808	3.9	
78	Colour filtering in a-SiC:H based p-i-n-p-i-n cells: A trade-off between bias polarity and absorption regions. <i>Sensors and Actuators A: Physical</i> , 2006 , 132, 218-223	3.9	1
77	Bias sensitive spectral sensitivity in double a-SiC:H pin structures. <i>Superlattices and Microstructures</i> , 2006 , 40, 619-625	2.8	
76	Fine-tuning of the spectral collection efficiency in multilayer junctions. <i>Thin Solid Films</i> , 2006 , 511-512, 84-88	2.2	
75	Tuning the spectral distribution of p π a-SiC:H devices for colour detection. <i>Sensors and Actuators A: Physical</i> , 2005 , 120, 88-93	3.9	1
74	Image and color recognition using amorphous silicon p π photodiodes. <i>Sensors and Actuators A: Physical</i> , 2005 , 123-124, 326-330	3.9	7
73	A two terminal optical signal and image processing p π /p π image and colour sensor. <i>Sensors and Actuators A: Physical</i> , 2005 , 123-124, 331-336	3.9	3
72	Enhanced short wavelength response in laser-scanned-photodiode image sensor using an a-SiC:H/a-Si:H tandem structure. <i>Sensors and Actuators A: Physical</i> , 2005 , 123-124, 343-348	3.9	2
71	Optical signal and image processing device optimized for optical readout. <i>Optical Materials</i> , 2005 , 27, 1064-1068	3.3	

70	p-i-n flexible imaging devices with optical readout. <i>Optical Materials</i> , 2005 , 27, 1069-1073	3.3	3
69	Image and color sensitive detector based on double p-i-n/p-i-n a-SiC:H photodiode. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 862, 1341		12
68	Fine-Tuning of the Spectral Collection Efficiency in a Multilayer Junction Through the LSP Technique. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 872, 1		
67	Spectral Sensitivity and Color Selectivity in Multilayer Stacked Devices. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 862, 921		1
66	A real-time optical signal and image processing p-i-n/p-i-n device. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 808, 257		
65	Stacked a-SiC:H Optical Transducers: the Influence of the Sensing Material. <i>Materials Science Forum</i> , 2004 , 455-456, 81-85	0.4	1
64	Large area p-i-n flexible image sensors. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 814, 260		1
63	High Sensitive Image Sensors Based on a Tandem Laser Scanned Photodiode. <i>Materials Science Forum</i> , 2004 , 455-456, 91-95	0.4	
62	Large area single and stacked p-i-n photodiodes as a color image sensors. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 815, 100		
61	Two terminal large area single and double p-i-n devices for image and color recognition. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 808, 251		
60	Dynamic Characterization of Large Area Image Sensing Structures Based on a-SiC:H. <i>Materials Science Forum</i> , 2004 , 455-456, 86-90	0.4	
59	Optical confinement and colour separation in a double colour laser scanned photodiode (D/CLSP). <i>Sensors and Actuators A: Physical</i> , 2004 , 114, 219-223	3.9	2
58	A non-pixel image reader for continuous image detection based on tandem heterostructures. <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 191-195	3.9	
57	a-SiC:H/a-Si:H tandem photodiodes: a numerical simulation. <i>Sensors and Actuators A: Physical</i> , 2004 , 113, 324-328	3.9	3
56	Large area image sensing structures based on a-SiC:H: a dynamic characterization. <i>Sensors and Actuators A: Physical</i> , 2004 , 113, 360-364	3.9	19
55	Sensor element for a metal-insulator-semiconductor camera system (MISCam). <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 331-335	3.9	3
54	Novel structure for large area image sensing. <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 357-361	3.9	1
53	Optoelectronic characterization of a-SiC:H stacked devices. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 345-348	3.9	7

52	Optically addressed read/write device based on tandem heterostructure. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 754-757	3.9	4
51	Stacked n-i-p-n-i-p Heterojunctions for Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 762, 18131		11
50	Bias controlled spectral sensitivity in a-SiC:H p ⁺ in devices. <i>Thin Solid Films</i> , 2003 , 427, 196-200	2.2	2
49	Non-pixeled amorphous silicon-based image sensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 563-567	3	2
48	Biometric system based on one single large area a-SiC:H p-i-n photodiode. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 722, 1061		
47	Memory effects in highly resistive p ⁺ in heterojunctions for optical applications. <i>Thin Solid Films</i> , 2002 , 403-404, 363-367	2.2	2
46	Modelling a-Si:H based p-i-n structures for optical sensor applications. <i>Thin Solid Films</i> , 2002 , 403-404, 354-358	2.2	
45	Laser scanned photodiodes (LSPs) for image sensing. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 98-103	3.7	2
44	Bias-dependent photocurrent collection in p ⁺ in a-Si:H/SiC:H heterojunction. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 221-226	3.9	3
43	Electrical simulation of a p ⁺ in image sensor. <i>Vacuum</i> , 2002 , 64, 307-313	3.7	2
42	Analog readout image sensor based on p ⁺ in hydrogenated amorphous silicon. <i>Vacuum</i> , 2002 , 64, 249-254	3.7	
41	Photocurrent multiplication in ITO/SiOx/Si optical sensors. <i>Vacuum</i> , 2002 , 65, 67-71	3.7	7
40	A new CLSP Sensor for Image Recognition and Color Separation. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 715, 431		10
39	Image capture devices based on p ⁺ in silicon carbides for biometric applications. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1245-1249	3.9	21
38	Photocurrent response time scanner. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1261-1266	3.9	
37	Dependence of the Lateral Photoeffect in a-Si:H P-I-N Structures on the Material Characteristics Studied by Means of a Numerical Simulation. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 715, 771		5
36	Analysis of the Bias Dependent Spectral Response of a-SiC:H p-i-n Photodiode. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 715, 731		
35	Dynamic Response of Non-Pixeled Amorphous Silicon Based Image Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 722, 911		

34	Transport mechanism in high resistive silicon carbide heterostructures. <i>Applied Surface Science</i> , 2001 , 184, 144-149	6.7	20
33	LSP image sensors based on SiC heterostructures. <i>Applied Surface Science</i> , 2001 , 184, 471-476	6.7	5
32	Readout improvement in large area a-SiC:H-based image sensors. <i>Applied Surface Science</i> , 2001 , 184, 408-412	6.7	5
31	Influence of the band offset on the performance of photodevices based on the c-Si/a-Si:H heterostructure. <i>Thin Solid Films</i> , 2001 , 383, 314-317	2.2	10
30	Influence of the transducer configuration on the p-i-n image sensor resolution. <i>Thin Solid Films</i> , 2001 , 383, 65-68	2.2	3
29	New p ⁺ i ⁺ n Si:H imager configuration for spatial resolution improvement. <i>Sensors and Actuators A: Physical</i> , 2001 , 92, 60-66	3.9	6
28	ITO/SiO _x /Si optical sensor with internal gain. <i>Sensors and Actuators A: Physical</i> , 2001 , 92, 152-155	3.9	13
27	Optimized Laser Scanned Photodiode (LSP) Imaging Transducer. <i>Physica Status Solidi A</i> , 2001 , 185, 129-135		1
26	UV/Visible ITO/GaP Photodiodes: Characterization and Modeling. <i>Physica Status Solidi A</i> , 2001 , 185, 137-144		7
25	Laser-scanned p-i-n photodiode (LSP) for image detection. <i>IEEE Sensors Journal</i> , 2001 , 1, 158	4	51
24	Tailored Laser scanned photodiodes (LSP) for image recognition. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 664, 1851		5
23	Carrier transport and photogeneration in large area p-i-n Si/SiC heterojunctions. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 664, 25101		5
22	Controlling the Lateral Photoeffect in a-Si:H Heterojunction Structures: The Influence of the Band Offset Analysed Through A Numerical Simulation. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 664, 25111		9
21	Charge Carrier Transport in a-Si:H/a-SiC:H Heterojunction with Blocking Layer. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
20	Image Acquisition Using Non-Pixeled Amorphous Silicon Based Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
19	Effect of a-SiC:H Film Composition on the Performance of Large Area Optical Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
18	Laser scanned photodiodes (LSP) for Image sensing 2001 , 578-581		
17	Bias dependent photocurrent collection in p-i-n a-Si:H/SiC:H heterojunction 2001 , 540-543		1

16	Inhomogeneous transport in microcrystalline p-i-n devices. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000 , 80, 755-764		9
15	Improved Resolution in A P-I-N Image Sensor by Changing the Structure of the Doped Layers. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 1421		22
14	Flying Spot Technique in Microcrystalline Silicon Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 3241		2
13	VIS/NIR detector based on μ -Si:H p μ n structures. <i>Thin Solid Films</i> , 2000 , 364, 204-208	2.2	3
12	The contact geometry in a 2D μ -Si:H p-i-n imager. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 69-70, 494-499	3.1	3
11	A 3-phase model for VIS/NIR μ -Si:H p μ n detectors. <i>Sensors and Actuators A: Physical</i> , 2000 , 85, 175-180	3.9	
10	A three-path model for visible/near infrared μ -Si:H p μ n detectors. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 1223-1227	3.9	
9	Image processing in a μ -Si:H p μ n image transducer. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 1228-1232	3.9	8
8	Surface-barrier Si-based photodetectors fabricated by the spray pyrolysis technique. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000 , 80, 781-790		10
7	Near-infrared photodetectors based on a HgInTe-semiconductor compound 1999 ,		8
6	Visible-infrared spectral response of microcrystalline hydrogenated silicon hetero-junctions. <i>Vacuum</i> , 1999 , 52, 121-124	3.7	2
5	Anisotropic Transport in Microcrystalline P-I-N Devices. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 557, 549		2
4	Long-Term Stability of Microcrystalline Silicon P-I-N Solar Cells Exposed to Sun Light. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 557, 597		2
3	A μ c-Si:H P-I-N Imager For 2-D Pattern Recognition. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 558, 237		4
2	μ c-Si:H Thin-Film Devices for Optical Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 508, 145		2
1	From Intelligent Materials to Smart Sensors: a-Si:H Position Sensitive Detectors. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 420, 165		1