

# Manuela Vieira

## List of Publications by Citations

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305  
papers

1,331  
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16  
h-index

27  
g-index

360  
ext. papers

1,563  
ext. citations

2.9  
avg, IF

3.89  
L-index

#	Paper	IF	Citations
305	The epidemiology of sepsis in Brazilian intensive care units (the Sepsis PREvalence Assessment Database, SPREAD): an observational study. <i>Lancet Infectious Diseases, The</i> , <b>2017</b> , 17, 1180-1189	25.5	126
304	Thin film position sensitive detector based on amorphous silicon p <sup>+</sup> i diode. <i>Review of Scientific Instruments</i> , <b>1994</b> , 65, 3784-3786	1.7	56
303	Laser-scanned p-i-n photodiode (LSP) for image detection. <i>IEEE Sensors Journal</i> , <b>2001</b> , 1, 158	4	51
302	Simulation of hydrogenated amorphous and microcrystalline silicon optoelectronic devices. <i>Mathematics and Computers in Simulation</i> , <b>1999</b> , 49, 381-401	3.3	44
301	Boron-doped nanocrystalline silicon thin films for solar cells. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8901-8965	3.5	38
300	Material properties, project design rules and performances of single and dual-axis a-Si:H large area position sensitive detectors. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 164-166, 797-800	3.9	37
299	Light-Activated Amplification in Si-C Tandem Devices: A Capacitive Active Filter Model. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 1755-1762	4	29
298	Self-biasing effect in colour sensitive photodiodes based on double p-i-n a-SiC:H heterojunctions. <i>Vacuum</i> , <b>2008</b> , 82, 1512-1516	3.7	26
297	Speed photodetectors based on amorphous and microcrystalline silicon p <sup>+</sup> i devices. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 220-222	3.4	24
296	Improved Resolution in A P-I-N Image Sensor by Changing the Structure of the Doped Layers. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 609, 1421		22
295	Image capture devices based on p <sup>+</sup> i silicon carbides for biometric applications. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 299-302, 1245-1249	3.9	21
294	Transport mechanism in high resistive silicon carbide heterostructures. <i>Applied Surface Science</i> , <b>2001</b> , 184, 144-149	6.7	20
293	Large area image sensing structures based on a-SiC:H: a dynamic characterization. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 113, 360-364	3.9	19
292	Large Area Position Sensitive Detector Based on Amorphous Silicon Technology. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 297, 981		19
291	A two-dimensional numerical simulation of a non-uniformly illuminated amorphous silicon solar cell. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 3154-3159	3	18
290	Nanocrystalline p-layer for a-Si:H p <sup>+</sup> i solar cells and photodiodes. <i>Solar Energy Materials and Solar Cells</i> , <b>2010</b> , 94, 1860-1863	6.4	17
289	Wide spectral response in a-Si:H photodiodes. <i>Thin Solid Films</i> , <b>1997</b> , 296, 164-167	2.2	16

288	Pinpi'n and pinpii'n multilayer devices with voltage controlled optical readout. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4022-7	1.3	15
287	Transport in $\beta$ -Six:Cy:Oz:H films prepared by a TCDDC system. <i>Journal of Non-Crystalline Solids</i> , <b>1989</b> , 114, 486-488	3.9	14
286	Optical signal processing for data error detection and correction using a-SiCH technology. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 1393-1400		13
285	Optical multiplexer for short range communications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2009</b> , 41, 1082-1085	3	13
284	ITO/SiOx/Si optical sensor with internal gain. <i>Sensors and Actuators A: Physical</i> , <b>2001</b> , 92, 152-155	3.9	13
283	Tailoring defects on amorphous silicon pin devices. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 164-166, 671-674	3.4	13
282	Optical Readout in Pinpi $\beta$ and Pini $\beta$ Imagers: A Comparison. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 989, 4		12
281	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> , <b>2005</b> , 862, 1341		12
280	Phototransistor with nanocrystalline Si/amorphous Si bilayer channel. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 173507	3.4	11
279	Stability of indium-oxide thin-film transistors by reactive ion beam assisted deposition. <i>Thin Solid Films</i> , <b>2009</b> , 517, 6341-6344	2.2	11
278	Bias sensitive multispectral structures for imaging applications. <i>Thin Solid Films</i> , <b>2007</b> , 515, 7566-7570	2.2	11
277	Indium oxide thin-film transistor by reactive ion beam assisted deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 1925-1928	1.6	11
276	Stacked n-i-p-n-i-p Heterojunctions for Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 762, 18131		11
275	Properties of high growth rate amorphous silicon deposited by MC-RF-PECVD. <i>Vacuum</i> , <b>2002</b> , 64, 245-248	3.7	11
274	Exchange interaction and ferromagnetism in III-V semiconductors. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	11
273	Molecular architecture and electrical properties in evaporated films of cobalt phthalocyanine. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7010-20	1.3	10
272	Spray-Deposited Metal Oxide Films with Various Properties for Micro- and Optoelectronic Applications: Growth and Characterization. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 471, 47		10
271	Influence of the band offset on the performance of photodevices based on the c-Si/a-Si:H heterostructure. <i>Thin Solid Films</i> , <b>2001</b> , 383, 314-317	2.2	10

270	A new CLSP Sensor for Image Recognition and Color Separation. <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 715, 431		10
269	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> , <b>2000</b> , 80, 781-790		10
268	Modelling Heteroface of P.I.N Solar Cells for Improving Stability. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 336, 711		10
267	Modeling of magnetically controlled Si-based optoelectronic devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 16, 558-562	3	9
266	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> , <b>2000</b> , 80, 755-764		9
265	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> , <b>2001</b> , 664, 25111		9
264	Indoor positioning system using a WDM device based on a-SiC:H technology. <i>Journal of Luminescence</i> , <b>2017</b> , 191, 135-138	3.8	8
263	Optoelectronic logic functions using optical bias controlled SiC multilayer devices. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1536, 91-96		8
262	Voltage controlled amorphous Si/SiC photodiodes and phototransistors as wavelength selective devices: Theoretical and electrical approaches. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1153, 1		8
261	A two-dimensional visible/infrared detector based on $\mu$ -Si:H p $\mu$ n structures. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 227-230, 1311-1315	3.9	8
260	Spatially-resolved photocapacitance measurements to study defects in a-Si:H based p $\mu$ n particle detectors. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5118-5121	2.2	8
259	An amorphous SiC/Si image photodetector with voltage-selectable spectral response. <i>Thin Solid Films</i> , <b>2006</b> , 511-512, 167-171	2.2	8
258	Image processing in a $\mu$ -Si:H p $\mu$ n image transducer. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 266-269, 1228-1232	3.9	8
257	Near-infrared photodetectors based on a HgInTe-semiconductor compound <b>1999</b> ,		8
256	Role of oxygen partial pressure on the properties of doped silicon oxycarbide microcrystalline layers produced by spatial separation techniques. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1995</b> , 13, 2199-2209	2.9	8
255	On the a-Si:H film growth: the role of the powder formation. <i>Journal of Non-Crystalline Solids</i> , <b>1996</b> , 198-200, 1207-1211	3.9	8
254	A-Si:H ambipolar diffusion length and effective lifetime measured by flying spot (FST) and spectral photovoltage (SPT) techniques. <i>Journal of Non-Crystalline Solids</i> , <b>1991</b> , 137-138, 479-482	3.9	8
253	Photocurrent multiplication in ITO/SiOx/Si optical sensors. <i>Vacuum</i> , <b>2002</b> , 65, 67-71	3.7	7

252	Optoelectronic characterization of a-SiC:H stacked devices. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 338-340, 345-348	3.9	7
251	Image and color recognition using amorphous silicon p-i-i photodiodes. <i>Sensors and Actuators A: Physical</i> , <b>2005</b> , 123-124, 326-330	3.9	7
250	UV-Visible ITO/GaP Photodiodes: Characterization and Modeling. <i>Physica Status Solidi A</i> , <b>2001</b> , 185, 137-144		7
249	SiC Multilayer Structures as Light Controlled Photonic Active Filters. <i>Plasmonics</i> , <b>2013</b> , 8, 63-70	2.4	6
248	Structure, composition and electro-optical properties of n-type amorphous and microcrystalline silicon thin films. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1997</b> , 76, 249-258		6
247	Role of the deposition parameters in the uniformity of films produced by the plasma-enhanced chemical vapour deposition technique. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1997</b> , 76, 259-272		6
246	New p-i-i Si:H imager configuration for spatial resolution improvement. <i>Sensors and Actuators A: Physical</i> , <b>2001</b> , 92, 60-66	3.9	6
245	Optical demultiplexer device operating in the visible spectrum. <i>Sensors and Actuators A: Physical</i> , <b>2011</b> , 172, 35-39	3.9	5
244	Blue-enhanced thin-film photodiode for dual-screen x-ray imaging. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 2635-2635	3.05	5
243	Large area double p-i-i heterostructure for signal multiplexing and demultiplexing in the visible range. <i>Thin Solid Films</i> , <b>2009</b> , 517, 6435-6439	2.2	5
242	Bidimensional Numerical Analysis of A p-i-i Si:H P-I-N Photodiode under Local Illumination. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 467, 765		5
241	A Novel Vehicular Mobility Model for Wireless Networks. <i>Wireless Personal Communications</i> , <b>2007</b> , 43, 1689-1703	1.9	5
240	Radiation-induced defects in a-Si:H by 1.5MeV He <sup>4</sup> particles studied by photoconductivity and photothermal deflection spectroscopy. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 1071-1074	3.9	5
239	LSP image sensors based on SiC heterostructures. <i>Applied Surface Science</i> , <b>2001</b> , 184, 471-476	6.7	5
238	Readout improvement in large area a-SiC:H-based image sensors. <i>Applied Surface Science</i> , <b>2001</b> , 184, 408-412	6.7	5
237	Tailored Laser scanned photodiodes (LSP) for image recognition. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 664, 1851		5
236	Carrier transport and photogeneration in large area p-i-n Si/SiC heterojunctions. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 664, 25101		5
235	Microcrystalline silicon thin films for optical applications. <i>Vacuum</i> , <b>1999</b> , 52, 67-71	3.7	5

234	Cooperative vehicular communication systems based on visible light communication. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	5
233	Light-emitting diodes aided indoor localization using visible light communication technology. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	5
232	Bi-directional communication between infrastructures and vehicles through visible light <b>2019</b> ,		5
231	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> , <b>2002</b> , 715, 771		5
230	Optical signal processing for indoor positioning using a-SiCH technology. <i>Optical Engineering</i> , <b>2016</b> , 55, 107105	1.1	4
229	SiC monolithically integrated wavelength selector with 4 channels. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1536, 79-84		4
228	Three Transducers Embedded into One Single SiC Photodetector: LSP Direct Image Sensor, Optical Amplifier and Demux Device <b>2011</b> ,		4
227	Colour sensitive devices based on double p-i-n-i-p stacked photodiodes. <i>Thin Solid Films</i> , <b>2007</b> , 515, 7526-7529		4
226	The laser scanned photodiode: Theoretical and electrical models of the image sensor. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 1801-1804	3.9	4
225	Mechanism of Ferromagnetism in Diluted Magnetic Semiconductors at Low Carrier Density. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2003</b> , 16, 67-70		4
224	Optical properties and transport in PLD-GaN. <i>Solid-State Electronics</i> , <b>2003</b> , 47, 569-573	1.7	4
223	Optically addressed read/write device based on tandem heterostructure. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 338-340, 754-757	3.9	4
222	Degradation of particle detectors based on a-Si:H by 1.5 MeV He4 and 1 MeV protons. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 338-340, 814-817	3.9	4
221	A $\mu$ c-Si:H P-I-N Imager For 2-D Pattern Recognition. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 558, 237		4
220	Transport properties of doped silicon oxycarbide microcrystalline films produced by spatial separation techniques. <i>Solar Energy Materials and Solar Cells</i> , <b>1996</b> , 41-42, 493-517	6.4	4
219	Simple and Complex Logical Functions in a SiC Tandem Device. <i>IFIP Advances in Information and Communication Technology</i> , <b>2014</b> , 592-601	0.5	4
218	Automated rf-PERTE System for Room Temperature Deposition of TCO Coatings. <i>Energy Procedia</i> , <b>2016</b> , 102, 96-101	2.3	4
217	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> , <b>2018</b> , 215, 1700487	1.6	4

216	Analysis of metallic nanoparticles embedded in thin film semiconductors for optoelectronic applications. <i>Optical and Quantum Electronics</i> , <b>2018</b> , 50, 1	2.4	4
215	Optical communication applications based on white LEDs. <i>Journal of Luminescence</i> , <b>2017</b> , 191, 122-125	3.8	3
214	FDTD simulation of amorphous silicon waveguides for microphotonics applications <b>2017</b> ,		3
213	Optical signal processing for a smart vehicle lighting system using a-SiCH technology <b>2017</b> ,		3
212	Transmission of Signals Using White LEDs for VLC Application. <i>MRS Advances</i> , <b>2016</b> , 1, 3661-3666	0.7	3
211	Detection of FRET signals with a wavelength sensitive device based on a-SiC:H. <i>Applied Surface Science</i> , <b>2013</b> , 275, 49-53	6.7	3
210	Logical functions in a tandem SiC device. <i>Microelectronic Engineering</i> , <b>2014</b> , 126, 79-83	2.5	3
209	AND, OR, NOT Logical Functions in a SiC Tandem Device. <i>Procedia Technology</i> , <b>2014</b> , 17, 557-565		3
208	Local Oscillator Phase Noise Influence on Single Carrier and OFDM Modulations. <i>IFIP Advances in Information and Communication Technology</i> , <b>2013</b> , 513-520	0.5	3
207	Photodetector with integrated optical thin film filters. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 421, 012011	0.3	3
206	Semiconductor device as optical demultiplexer for short range optical communications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 5318-22	1.3	3
205	Multilayer architectures based on a-SiC:H material: tunable wavelength filters in optical processing devices. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 5299-304	1.3	3
204	Optimization of the a-SiC p-layer in a-Si:H-based n-i-p Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1245, 1		3
203	Double Pin Photodiodes with Two Optical Gate Connections for Light Triggering <b>2010</b> ,		3
202	Test setup for error vector magnitude measurement on WLAN transceivers <b>2012</b> ,		3
201	Spectral response characterization of a-Si:H-based MIS-type photosensors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 3410-3413		3
200	a-SiC:H/a-Si:H tandem photodiodes: a numerical simulation. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 113, 324-328	3.9	3
199	Sensor element for a metal-insulator-semiconductor camera system (MISCam). <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 115, 331-335	3.9	3

198	Bias-dependent photocurrent collection in p <sup>+</sup> i <sup>-</sup> a-Si:H/SiC:H heterojunction. <i>Sensors and Actuators A: Physical</i> , <b>2002</b> , 97-98, 221-226	3.9	3
197	A two terminal optical signal and image processing p <sup>+</sup> i <sup>-</sup> /p <sup>+</sup> i <sup>-</sup> image and colour sensor. <i>Sensors and Actuators A: Physical</i> , <b>2005</b> , 123-124, 331-336	3.9	3
196	p <sup>+</sup> i <sup>-</sup> flexible imaging devices with optical readout. <i>Optical Materials</i> , <b>2005</b> , 27, 1069-1073	3.3	3
195	Influence of the transducer configuration on the p-i-n image sensor resolution. <i>Thin Solid Films</i> , <b>2001</b> , 383, 65-68	2.2	3
194	VIS/NIR detector based on i-Si:H p <sup>+</sup> i <sup>-</sup> structures. <i>Thin Solid Films</i> , <b>2000</b> , 364, 204-208	2.2	3
193	The contact geometry in a 2D i-Si:H p-i-n imager. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 69-70, 494-499	3.1	3
192	Transport properties in microcrystalline silicon solar cells under AM1.5 illumination analysed by two-dimensional numerical simulation. <i>Solid-State Electronics</i> , <b>1999</b> , 43, 1709-1714	1.7	3
191	Hydrogenated Amorphous Silicon Speed Sensor Based on the Flying Spot Technique. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 377, 839		3
190	Use of a-SiC:H Photodiodes in Optical Communications Applications <b>2011</b> ,		3
189	Coupled data transmission and indoor positioning by using transmitting trichromatic white LEDs and a SiC optical MUX/DEMUX mobile receiver <b>2017</b> ,		2
188	Plasmonic properties of gold nanospheres coupled to reduced graphene oxide for biosensing applications * <b>2019</b> ,		2
187	Error control on spectral data of four-wave mixing based on a-SiC technology. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 181-186		2
186	A model for the refractive index of amorphous silicon for FDTD simulation of photonics waveguides <b>2017</b> ,		2
185	Tuning optical a-SiC/a-Si active filters by UV bias light in the visible and infrared spectral ranges. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2014</b> , 11, 1674-1677		2
184	Logic functions based on optical bias controlled SiC tandem devices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2014</b> , 11, 211-216		2
183	A Distributed SPICE Model for Amorphous Silicon Solar Cells. <i>Energy Procedia</i> , <b>2014</b> , 60, 96-101	2.3	2
182	Integrated photonic filters based on SiC multilayer structures. <i>Applied Surface Science</i> , <b>2013</b> , 275, 185-192	2.7	2
181	Capacitive effects in pinpin photodiodes. <i>Microelectronic Engineering</i> , <b>2013</b> , 108, 195-199	2.5	2



180	Visible Light Communication in Traffic Links Using an a-SiC:H Multilayer Photodetector. <i>Procedia Technology</i> , <b>2014</b> , 17, 550-556		2
179	SiC multilayer photonic structures with self optical bias amplification. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1426, 229-235		2
178	Direct color sensor, optical amplifier and demux device integrated on a single monolithic SiC photodetector. <i>Procedia Engineering</i> , <b>2010</b> , 5, 232-235		2
177	Optical processing devices based on a-SiC:H multilayer architectures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, NA-NA		2
176	Multilayered a-SiC:H device for Wavelength-Division (de)Multiplexing applications in the visible spectrum. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1066, 1		2
175	Optical confinement and colour separation in a double colour laser scanned photodiode (D/CLSP). <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 114, 219-223	3.9	2
174	Memory effects in highly resistive p <sup>+</sup> Si heterojunctions for optical applications. <i>Thin Solid Films</i> , <b>2002</b> , 403-404, 363-367	2.2	2
173	Laser scanned photodiodes (LSPs) for image sensing. <i>Sensors and Actuators A: Physical</i> , <b>2002</b> , 97-98, 98-103	3.9	2
172	Electrical simulation of a p <sup>+</sup> Si image sensor. <i>Vacuum</i> , <b>2002</b> , 64, 307-313	3.7	2
171	Bias controlled spectral sensitivity in a-SiC:H p <sup>+</sup> Si devices. <i>Thin Solid Films</i> , <b>2003</b> , 427, 196-200	2.2	2
170	Non-pixeled amorphous silicon-based image sensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 16, 563-567	3	2
169	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> , <b>2005</b> , 123-124, 343-348	3.9	2
168	Characterization and modeling of Ge film thermometers for low temperature measurements		2
167	Flying Spot Technique in Microcrystalline Silicon Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 609, 3241		2
166	μc-Si:H Thin-Film Devices for Optical Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 508, 145		2
165	Visible-infrared spectral response of microcrystalline hydrogenated silicon hetero-junctions. <i>Vacuum</i> , <b>1999</b> , 52, 121-124	3.7	2
164	Transport properties of μ-Si:H analyzed by means of numerical simulation. <i>Thin Solid Films</i> , <b>1999</b> , 337, 109-112	2.2	2
163	Anisotropic Transport in Microcrystalline P-I-N Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 557, 549		2

162	Long-Term Stability of Microcrystalline Silicon P-I-N Solar Cells Exposed to Sun Light. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 557, 597		2
161	Role Of Photodegradation on the Product and Microstructure of the a-Si:H Pin Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 297, 637		2
160	Light and temperature effect on pin a-Si: H device performance. <i>Vacuum</i> , <b>1994</b> , 45, 1147-1149	3.7	2
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