

Manuela Vieira

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2945969/manuela-vieira-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

305
papers

1,331
citations

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	Rib Waveguide Plasmonic Sensor for Lab-on-Chip Technology. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 187-196	0.5	
304	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
303	MUX/DEMUX SiC receiver for visible light communications. <i>Microsystem Technologies</i> , 2020 , 1	1.7	
302	Thin Film Refractive Index and Thickness. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 179-188	0.5	
301	Photoconductivity kinetics of indium sulfofluoride thin films. <i>EPJ Applied Physics</i> , 2020 , 89, 10302	1.1	1
300	Plasmonic properties of gold nanospheres coupled to reduced graphene oxide for biosensing applications * 2019 ,		2
299	Conducting indium oxide films on plastic substrates by plasma enhanced reactive thermal evaporation. <i>Thin Solid Films</i> , 2019 , 691, 137604	2.2	0
298	Positioning and advertising in large indoor environments using visible light communication. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	1
297	Bi-directional communication between infrastructures and vehicles through visible light 2019 ,		5
296	Indoor positioning and intuitive advertising using visible light communication 2019 ,		1
295	Connected cars: road-to-vehicle communication through visible light 2019 ,		1
294	Bi-directional VLC LED-assisted navigation system for large indoor environments 2019 ,		1
293	Lithographic Mask Defects Analysis on an MMI 3 dB Splitter. <i>Photonics</i> , 2019 , 6, 118	2.2	1
292	Simulation and Analysis of Surface Plasmon Resonance Based Sensor. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 252-261	0.5	1
291	Cooperative vehicular communication systems based on visible light communication. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	5
290	Light-emitting diodes aided indoor localization using visible light communication technology. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	5
289	Double junction photodiodes for multiwavelength photoplethysmography 2018 ,		1

288	On the use of visible light communication in cooperative vehicular communication systems 2018 ,		1
287	Finite-difference time-domain analysis of hydrogenated amorphous silicon and aluminum surface plasmon waveguides. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	
286	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
285	Optical vehicular communication based on a-SiC:H technology. <i>Science and Technology of Materials</i> , 2018 , 30, 151-156		1
284	Analysis of metallic nanoparticles embedded in thin film semiconductors for optoelectronic applications. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	4
283	Indoor positioning system using a WDM device based on a-SiC:H technology. <i>Journal of Luminescence</i> , 2017 , 191, 135-138	3.8	8
282	Optical communication applications based on white LEDs. <i>Journal of Luminescence</i> , 2017 , 191, 122-125	3.8	3
281	FDTD simulation of amorphous silicon waveguides for microphotonics applications 2017 ,		3
280	Optical signal processing for a smart vehicle lighting system using a-SiCH technology 2017 ,		3
279	Coupled data transmission and indoor positioning by using transmitting trichromatic white LEDs and a SiC optical MUX/DEMUX mobile receiver 2017 ,		2
278	A model for the refractive index of amorphous silicon for FDTD simulation of photonics waveguides 2017 ,		2
277	Local Surface Plasmon Resonance of metallic nanoparticles embedded in amorphous silicon. <i>Ciência & Tecnologia Dos Materiais</i> , 2017 , 29, e146-e150		0
276	The epidemiology of sepsis in Brazilian intensive care units (the Sepsis PREvalence Assessment Database, SPREAD): an observational study. <i>Lancet Infectious Diseases</i> , 2017 , 17, 1180-1189	25.5	126
275	Local Oscillator Phase Noise Model for EVM Estimation and Optimization. <i>IETE Journal of Research</i> , 2017 , 63, 45-52	0.9	1
274	Simulation of localized surface plasmon in metallic nanoparticles embedded in amorphous silicon 2017 ,		1
273	Reconfigurable Photonic Logic Architecture: An Overview. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 447-462	0.5	
272	Optical signal processing for indoor positioning using a-SiCH technology. <i>Optical Engineering</i> , 2016 , 55, 107105	1.1	4
271	Transmission of Signals Using White LEDs for VLC Application. <i>MRS Advances</i> , 2016 , 1, 3661-3666	0.7	3

270	Indoor positioning using a-SiC:H technology. <i>MRS Advances</i> , 2016 , 1, 3685-3690	0.7	0
269	Five channel WDM communication using a single a-SiC:H double pin photo device. <i>Applied Surface Science</i> , 2016 , 380, 318-325	6.7	1
268	Transmission of Signals Using White LEDs for VLC Applications1. <i>Materials Today: Proceedings</i> , 2016 , 3, 780-787	1.4	1
267	Amorphous Silicon Photovoltaic Modules on Flexible Plastic Substrates. <i>MRS Advances</i> , 2016 , 1, 2923-2928	2.8	1
266	Automated rf-PERTE System for Room Temperature Deposition of TCO Coatings. <i>Energy Procedia</i> , 2016 , 102, 96-101	2.3	4
265	Majority Logical Function Using a pi-pi pin a-SiC:H Structure. <i>Materials Today: Proceedings</i> , 2016 , 3, 772-779	1.4	1
264	Optical processor based on a-SiC technology for spectral data error control. <i>Microelectronic Engineering</i> , 2015 , 146, 6-10	2.5	1
263	Non-enzymatic assay for glucose by using immobilized whole-cells of E. coli containing glucose binding protein fused to fluorescent proteins. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 236-241	8.5	1
262	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	1
261	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> , 2015 , 12, 181-186	2	1
260	Light memory function in a double pin SiC device. <i>Microelectronic Engineering</i> , 2015 , 146, 99-104	2.5	1
259	VIS/NIR wavelength selector based on a multilayer pi'n/pin a-SiC:H optical filter. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 1387-1392	2	1
258	Optical signal processing for data error detection and correction using a-SiC:H technology. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 1393-1400	13	1
257	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
256	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	1
255	Light Memory Operation Based on a Double Pin SiC Device. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 265-272	0.5	1
254	4 Channels WDM Device for Operation in the Visible. <i>Procedia Technology</i> , 2014 , 17, 566-573	1	1
253	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> , 2014 , 11, 1674-1677	2	1

252	Logic functions based on optical bias controlled SiC tandem devices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 211-216		2
251	Viability of the use of thin-film a-SiC:H photodiodes for protein identification. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 228-233		1
250	MIS Sensor for Luminance Control of AMOLED Pixel. <i>Procedia Technology</i> , 2014 , 17, 574-579		
249	A Distributed SPICE Model for Amorphous Silicon Solar Cells. <i>Energy Procedia</i> , 2014 , 60, 96-101	2.3	2
248	Add/drop filters based on SiC technology for optical interconnects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 56, 012008	0.4	
247	OFDM Inter-carrier Interference Due to Radio Frequency Synthesizer Phase Noise. <i>Procedia Technology</i> , 2014 , 17, 608-616		
246	Bridging the Visible Spectrum to Telecom Gap with SiC Nanophotonic Spectral Translation. <i>Procedia Technology</i> , 2014 , 17, 310-318		
245	Logical functions in a tandem SiC device. <i>Microelectronic Engineering</i> , 2014 , 126, 79-83	2.5	3
244	SiC pinpin photonic filters for linking the visible spectrum to the telecom gap. <i>Microelectronic Engineering</i> , 2014 , 126, 179-183	2.5	1
243	Visible Light Communication in Traffic Links Using an a-SiC:H Multilayer Photodetector. <i>Procedia Technology</i> , 2014 , 17, 550-556		2
242	Automated PECVD System for Fabrication of a-Si:H Devices. <i>Procedia Technology</i> , 2014 , 17, 580-586		
241	AND, OR, NOT Logical Functions in a SiC Tandem Device. <i>Procedia Technology</i> , 2014 , 17, 557-565		3
240	Increased sensitivity in a-SiC pinpin multilayers in the VIS-NIR range under UV light. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1666, 71		
239	Near-UV background as a bridge between visible and infrared communication. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1666, 65		
238	Integrated Visible optical filter and photodetector for detection of FRET signals. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1689, 1		
237	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		
236	Home VLC using pinpin a-SiC:H multilayer devices. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1693, 81		0
235	Simple and Complex Logical Functions in a SiC Tandem Device. <i>IFIP Advances in Information and Communication Technology</i> , 2014 , 592-601	0.5	4

234	Simulation in Amorphous Silicon and Amorphous Silicon Carbide Pin Diodes. <i>IFIP Advances in Information and Communication Technology</i> , 2014 , 602-609	0.5	
233	RF Synthesizer Loop Filter Design for Minimal OFDM Inter-carrier Interference. <i>IFIP Advances in Information and Communication Technology</i> , 2014 , 561-568	0.5	
232	Reconfigurable SiC Embedded Photonic Structures with Self Optical Bias Control. <i>Plasmonics</i> , 2013 , 8, 45-51	2.4	1
231	SiC Multilayer Structures as Light Controlled Photonic Active Filters. <i>Plasmonics</i> , 2013 , 8, 63-70	2.4	6
230	Optical Filter Design Using Background Wavelength Processing Techniques. <i>Plasmonics</i> , 2013 , 8, 121-127	2.4	4
229	Detection of Change in Fluorescence Between Reactive Cyan and the Yellow Fluorophores Using a-SiC:H Multilayer Transducers. <i>Plasmonics</i> , 2013 , 8, 139-142	2.4	
228	Integrated photonic filters based on SiC multilayer structures. <i>Applied Surface Science</i> , 2013 , 275, 185-192	2.7	2
227	Capacitive effects in pinpin photodiodes. <i>Microelectronic Engineering</i> , 2013 , 108, 195-199	2.5	2
226	Detection of FRET signals with a wavelength sensitive device based on a-SiC:H. <i>Applied Surface Science</i> , 2013 , 275, 49-53	6.7	3
225	Driving Scheme Using MIS Photosensor for Luminance Control of AMOLED Pixel. <i>Journal of Display Technology</i> , 2013 , 9, 651-655		1
224	Optoelectronic logic functions using optical bias controlled SiC multilayer devices. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1536, 91-96		8
223	Design of an optical transmission WDM link using plastic optical fibers. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1536, 85-90		
222	Local Oscillator Phase Noise Influence on Single Carrier and OFDM Modulations. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 513-520	0.5	3
221	SiC multilayer add/drop filter for optical interconnects. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1559, 1		1
220	SiC monolithically integrated wavelength selector with 4 channels. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1536, 79-84		4
219	Photodetector with integrated optical thin film filters. <i>Journal of Physics: Conference Series</i> , 2013 , 421, 012011	0.3	3
218	Optoelectronic Digital Capture Device Based on Si/C Multilayer Heterostructures. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 555-562	0.5	2
217	Measurement of Photo Capacitance in Amorphous Silicon Photodiodes. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 547-554	0.5	1

216	Optoelectronic Logic Functions Based on Reconfigurable SiC Multilayer Devices. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 539-546	0.5	
215	Use of a-SiC:H Semiconductor-Based Transducer for Glucose Sensing through FRET Analysis. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 631-638	0.5	
214	Light-Activated Amplification in Si-C Tandem Devices: A Capacitive Active Filter Model. <i>IEEE Sensors Journal</i> , 2012 , 12, 1755-1762	4	29
213	Thin-Film Phototransistor with nc-Si:H/a-Si:H Bilayer Channel. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1426, 205-210		
212	Optical nonlinearity in tandem Si-C photodetectors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 2054-2057		
211	DEMUX devices based on a-SiC:H. <i>Sensors and Actuators A: Physical</i> , 2012 , 186, 143-147	3.9	1
210	Modelling of n-Stage Blumlein Stacked Lines for Bipolar Pulse Generation. <i>International Federation for Information Processing</i> , 2012 , 395-402		1
209	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	
208	Photonic active filters based on SiC multilayer structures. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1438, 35		
207	Novel device for implementation of WDM in the visible spectrum. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1438, 55		1
206	SiC multilayer photonic structures with self optical bias amplification. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1426, 229-235		2
205	Characterization of a monolithic device for detection of FRET signals. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1426, 187-192		1
204	Test setup for error vector magnitude measurement on WLAN transceivers 2012 ,		3
203	Molecular architecture and electrical properties in evaporated films of cobalt phthalocyanine. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7010-20	1.3	10
202	Light filtering devices using background wavelength processing techniques. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1426, 175-180		
201	SiC Multilayer Photonic Structures with Self Optical Bias Amplification. <i>International Federation for Information Processing</i> , 2012 , 511-518		
200	Photonics Active Filters Based on SiC Multilayer Structures: A Two Stage Active Circuit. <i>International Federation for Information Processing</i> , 2012 , 503-510		
199	Three Transducers Embedded into One Single SiC Photodetector: LSP Direct Image Sensor, Optical Amplifier and Demux Device 2011 ,		4

- 198 Semiconductor device as optical demultiplexer for short range optical communications. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 5318-22 1.3 3
- 197 Detection of change in fluorescence between reactive cyan and the yellow fluorophores using a-SiC:H multilayer transducers. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8657-62 1.3
- 196 Multilayer architectures based on a-SiC:H material: tunable wavelength filters in optical processing devices. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 5299-304 1.3 3
- 195 Membrane selectivity versus sensor response in hydrogenated amorphous silicon CHEMFETs using a semi-empirical model. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8844-7 1.3
- 194 Optical demultiplexer device operating in the visible spectrum. *Sensors and Actuators A: Physical*, **2011**, 172, 35-39 3.9 5
- 193 Photo-sensing devices using a-Si based materials. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2011**, 8, 1079-1082 1
- 192 Light-triggered silicon-carbon pi-npin devices with self amplification. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2011**, 8, 1083-1086
- 191 Boron-doped nanocrystalline silicon thin films for solar cells. *Applied Surface Science*, **2011**, 257, 8901-8965 3.8
- 190 Photodiode with nanocrystalline Si/amorphous Si absorber bilayer. *Applied Physics Letters*, **2011**, 99, 1913-14 1
- 189 Optical bias controlled amplification in tandem Si-C pinpin devices. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 417
- 188 Thin-film Photodiode with an a-Si:H/nc-Si:H Absorption Bilayer. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 455
- 187 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
- 186 Optical Demultiplexer Device: Frequency and optical bias analysis. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 449 1
- 185 Self optical gain in multilayered silicon-carbon heterostructures: A capacitive active band-pass filter model. *Materials Research Society Symposia Proceedings*, **2011**, 1321, 441 1
- 184 DEMUX SiC optical transducers for fluorescent proteins detection. *Materials Research Society Symposia Proceedings*, **2011**, 1324, 137
- 183 Use of a-SiC:H Photodiodes in Optical Communications Applications **2011**, 3
- 182 Optical Transducers Based on Amorphous Si/SiC Photodiodes. *International Federation for Information Processing*, **2011**, 604-611
- 181 Demultiplexer/Photodetector Integrated System Based on a-SiC:H Multilayered Structures. *Materials Research Society Symposia Proceedings*, **2010**, 1245, 1

180	Reviewing Photo-sensing Devices Using a-SiC Based Materials. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1245, 1		
179	a-SiC:H Based Devices as Optical Demultiplexers. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1246, 1		
178	Optimization of the a-SiC p-layer in a-Si:H-based n-i-p Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1245, 1		3
177	Phototransistor with nanocrystalline Si/amorphous Si bilayer channel. <i>Applied Physics Letters</i> , 2010 , 96, 173507	3-4	11
176	Monolithic a-SiC:H stack architectures as tunable optical filters for spectral analysis. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1246, 1		
175	Light-triggered Silicon-carbon PiNpin Devices for Optical Communications: Theoretical and Electrical Approaches. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1245, 1		
174	Double Pin Photodiodes with Two Optical Gate Connections for Light Triggering 2010 ,		3
173	Nanocrystalline p-layer for a-Si:H p-i-n solar cells and photodiodes. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1860-1863	6.4	17
172	Direct color sensor, optical amplifier and demux device integrated on a single monolithic SiC photodetector. <i>Procedia Engineering</i> , 2010 , 5, 232-235		2
171	Optical demultiplexer device operating in the visible spectrum. <i>Procedia Engineering</i> , 2010 , 5, 657-660		
170	Optical processing devices based on a-SiC:H multilayer architectures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, NA-NA		2
169	Optical demultiplexer based on an a-SiC:H voltage controlled device. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, NA-NA		1
168	Blue-enhanced thin-film photodiode for dual-screen x-ray imaging. <i>Applied Physics Letters</i> , 2009 , 95, 2635-2637		5
167	Voltage controlled amorphous Si/SiC photodiodes and phototransistors as wavelength selective devices: Theoretical and electrical approaches. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		8
166	Electronic detection and quantification of ions in solution using an a-Si:H field-effect device. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		1
165	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
164	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		
163	Optimization of p-type Nanocrystalline Silicon Thin Films for Solar Cells and Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		0

- 162 Optical Processing Devices for Optical Communications: Multilayered a-SiC:H Architectures. *Materials Research Society Symposia Proceedings*, **2009**, 1153, 1
- 161 a-Si:H p⁺i structures with extreme i-layer thickness. *Thin Solid Films*, **2009**, 517, 6426-6429 2.2
- 160 Large area double p⁺i heterostructure for signal multiplexing and demultiplexing in the visible range. *Thin Solid Films*, **2009**, 517, 6435-6439 2.2 5
- 159 Stability of indium-oxide thin-film transistors by reactive ion beam assisted deposition. *Thin Solid Films*, **2009**, 517, 6341-6344 2.2 11
- 158 Optical multiplexer for short range communications. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 1082-1085 3 13
- 157 Photocurrent and spectral response analysis of a-SiC:H pinip and pinpin photodiodes. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 4254-8 1.3
- 156 Pinpi'n and pinpii'n multilayer devices with voltage controlled optical readout. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 4022-7 1.3 15
- 155 Photocapacitance measurements in irradiated a-Si:H based detectors. *Journal of Non-Crystalline Solids*, **2008**, 354, 2176-2180 3-9
- 154 Transient current in a-Si:H-based MIS photosensors. *Materials Research Society Symposia Proceedings*, **2008**, 1066, 1 1
- 153 Non-selective optical wavelength-division multiplexing devices based on a-SiC:H multilayer heterostructures. *Materials Research Society Symposia Proceedings*, **2008**, 1076, 1
- 152 Improvement in pinpin Device Architectures for Imaging Applications. *Materials Research Society Symposia Proceedings*, **2008**, 1066, 1
- 151 Multilayered a-SiC:H device for Wavelength-Division (de)Multiplexing applications in the visible spectrum. *Materials Research Society Symposia Proceedings*, **2008**, 1066, 1 2
- 150 Spectral response characterization of a-Si:H-based MIS-type photosensors. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2008**, 5, 3410-3413 3
- 149 Indium oxide thin-film transistor by reactive ion beam assisted deposition. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1925-1928 1.6 11
- 148 Analysis and simulation of a-Si:H/a-SiC:H PINIP structures for color image detection. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 2069-2074 1.6 1
- 147 Self-biasing effect in colour sensitive photodiodes based on double p-i-n a-SiC:H heterojunctions. *Vacuum*, **2008**, 82, 1512-1516 3-7 26
- 146 Spatially-resolved photocapacitance measurements to study defects in a-Si:H based p⁺i particle detectors. *Thin Solid Films*, **2008**, 516, 5118-5121 2.2 8
- 145 Colour sensitive devices based on double p-i-n-i-p stacked photodiodes. *Thin Solid Films*, **2007**, 515, 7526-7529 4

144	Bias sensitive multispectral structures for imaging applications. <i>Thin Solid Films</i> , 2007 , 515, 7566-7570	2.2	11
143	A Novel Vehicular Mobility Model for Wireless Networks. <i>Wireless Personal Communications</i> , 2007 , 43, 1689-1703	1.9	5
142	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
141	Photocurrent Profile in a-SiC:H Monolithic Tandem Pinpin and Pinip Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 12		
140	Modeling the Laser Scanned Photodiode S-shaped J-V Characteristic. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 3		
139	Optical Readout in Pinipi and Piniβ Imagers: A Comparison. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 989, 4		12
138	An amorphous SiC/Si image photodetector with voltage-selectable spectral response. <i>Thin Solid Films</i> , 2006 , 511-512, 167-171	2.2	8
137	Light Filtering Properties in a-SiC:H Multilayer Structures: A SPICE model. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 1		
136	Band Gap Engineering and Electrical Field Tailoring for Voltage Controlled Spectral Sensitivity. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 2		
135	Low leakage current a-Si:H/a-SiC:H n ⁺ β photodiode with Cr/a-SiNx front contact. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1837-1840	3.9	1
134	Radiation-induced defects in a-Si:H by 1.5MeV He ⁴ particles studied by photoconductivity and photothermal deflection spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1071-1074	3.9	5
133	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
132	Spice model for a laser scanned photodiode tricolor image sensor. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1813-1817	3.9	1
131	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
130	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	
129	Peculiarities of defect formation processes in ZnSe crystals with isovalent Te impurity. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 829-832		
128	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
127	Bias sensitive spectral sensitivity in double a-SiC:H pin structures. <i>Superlattices and Microstructures</i> , 2006 , 40, 619-625	2.8	

126	Fine-tuning of the spectral collection efficiency in multilayer junctions. <i>Thin Solid Films</i> , 2006 , 511-512, 84-88	2.2	
125	Tuning the spectral distribution of p ⁺ n a-SiC:H devices for colour detection. <i>Sensors and Actuators A: Physical</i> , 2005 , 120, 88-93	3.9	1
124	Image and color recognition using amorphous silicon p ⁺ n photodiodes. <i>Sensors and Actuators A: Physical</i> , 2005 , 123-124, 326-330	3.9	7
123	A two terminal optical signal and image processing p ⁺ n/p ⁺ n image and colour sensor. <i>Sensors and Actuators A: Physical</i> , 2005 , 123-124, 331-336	3.9	3
122	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
121	Magnetoresistance due to domain walls in semiconducting magnetic nanostructures. <i>Materials Science and Engineering C</i> , 2005 , 25, 705-709	8.3	
120	Optical signal and image processing device optimized for optical readout. <i>Optical Materials</i> , 2005 , 27, 1064-1068	3.3	
119	p ⁺ n flexible imaging devices with optical readout. <i>Optical Materials</i> , 2005 , 27, 1069-1073	3.3	3
118	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
117	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		
116	Spectral Sensitivity and Color Selectivity in Multilayer Stacked Devices. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 862, 921		1
115	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		
114	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
113	Large area p-i-n flexible image sensors. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 814, 260		1
112	High Sensitive Image Sensors Based on a Tandem Laser Scanned Photodiode. <i>Materials Science Forum</i> , 2004 , 455-456, 91-95	0.4	
111	Large area single and stacked p-i-n photodiodes as a color image sensors. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 815, 100		
110	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		
109	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	

108	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
107	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	
106	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
105	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
104	Sensor element for a metal-insulator-semiconductor camera system (MISCam). <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 331-335	3.9	3
103	Novel structure for large area image sensing. <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 357-361	3.9	1
102	Optoelectronic characterization of a-SiC:H stacked devices. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 345-348	3.9	7
101	Optically addressed read/write device based on tandem heterostructure. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 754-757	3.9	4
100	Degradation of particle detectors based on a-Si:H by 1.5 MeV He ⁴ and 1 MeV protons. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 814-817	3.9	4
99	Stacked n-i-p-n-i-p Heterojunctions for Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 762, 18131		11
98	Mechanism of Ferromagnetism in Diluted Magnetic Semiconductors at Low Carrier Density. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003 , 16, 67-70		4
97	Bias controlled spectral sensitivity in a-SiC:H p-i-n devices. <i>Thin Solid Films</i> , 2003 , 427, 196-200	2.2	2
96	Optical properties and transport in PLD-GaN. <i>Solid-State Electronics</i> , 2003 , 47, 569-573	1.7	4
95	Modeling of magnetically controlled Si-based optoelectronic devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 558-562	3	9
94	Non-pixelated amorphous silicon-based image sensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 563-567	3	2
93	Ferromagnetism in diluted magnetic semiconductors at low carrier density. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 236, 507-510	1.3	1
92	Exchange interaction and ferromagnetism in III-V semiconductors. <i>Physical Review B</i> , 2003 , 67,	3.3	11
91	Low-Temperature Properties of Compensated Ge Films Used for Cryogenic Thermometers. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 719, 8431		1

90	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		
89	Memory effects in highly resistive p ⁺ i heterojunctions for optical applications. <i>Thin Solid Films</i> , 2002 , 403-404, 363-367	2.2	2
88	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	
87	Laser scanned photodiodes (LSPs) for image sensing. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 98-103	3.3	2
86	Bias-dependent photocurrent collection in p ⁺ i a-Si:H/SiC:H heterojunction. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 221-226	3.9	3
85	Properties of high growth rate amorphous silicon deposited by MC-RF-PECVD. <i>Vacuum</i> , 2002 , 64, 245-248	3.7	11
84	Electrical simulation of a p ⁺ i image sensor. <i>Vacuum</i> , 2002 , 64, 307-313	3.7	2
83	Analog readout image sensor based on p ⁺ i hydrogenated amorphous silicon. <i>Vacuum</i> , 2002 , 64, 249-254	3.7	
82	Photocurrent multiplication in ITO/SiO _x /Si optical sensors. <i>Vacuum</i> , 2002 , 65, 67-71	3.7	7
81	Energy relaxation during inelastic electron scattering on localized states. <i>Technical Physics Letters</i> , 2002 , 28, 904-906	0.7	
80	A new CLSP Sensor for Image Recognition and Color Separation. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 715, 431		10
79	Image capture devices based on p ⁺ i silicon carbides for biometric applications. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1245-1249	3.9	21
78	Photocurrent response time scanner. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1261-1266	3.9	
77	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
76	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		
75	Dynamic Response of Non-Pixeled Amorphous Silicon Based Image Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 722, 911		
74	Magnetically Controlled Photovoltaic Diode Structure. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 721, 1		
73	Transport mechanism in high resistive silicon carbide heterostructures. <i>Applied Surface Science</i> , 2001 , 184, 144-149	6.7	20

72	LSP image sensors based on SiC heterostructures. <i>Applied Surface Science</i> , 2001 , 184, 471-476	6.7	5
71	Readout improvement in large area a-SiC:H-based image sensors. <i>Applied Surface Science</i> , 2001 , 184, 408-412	6.7	5
70	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
69	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
68	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
67	ITO/SiO _x /Si optical sensor with internal gain. <i>Sensors and Actuators A: Physical</i> , 2001 , 92, 152-155	3.9	13
66	Optimized Laser Scanned Photodiode (LSP) Imaging Transducer. <i>Physica Status Solidi A</i> , 2001 , 185, 129-135		1
65	UV/visible ITO/GaP Photodiodes: Characterization and Modeling. <i>Physica Status Solidi A</i> , 2001 , 185, 137-144		7
64	Laser-scanned p-i-n photodiode (LSP) for image detection. <i>IEEE Sensors Journal</i> , 2001 , 1, 158	4	51
63	Tailored Laser scanned photodiodes (LSP) for image recognition. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 664, 1851		5
62	Carrier transport and photogeneration in large area p-i-n Si/SiC heterojunctions. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 664, 25101		5
61	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
60	Charge Carrier Transport in a-Si:H/a-SiC:H Heterojunction with Blocking Layer. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
59	Image Acquisition Using Non-Pixeled Amorphous Silicon Based Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
58	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		
57	Laser scanned photodiodes (LSP) for Image sensing 2001 , 578-581		
56	Bias dependent photocurrent collection in p-i-n a-Si:H/SiC:H heterojunction 2001 , 540-543		1
55	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

54	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
53	Influence of the Grain Boundary Band Offset on Charge Transport Mechanism in Microcrystalline Silicon Analysed by Numerical Simulation. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 2721		
52	Flying Spot Technique in Microcrystalline Silicon Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 3241		2
51	VIS/NIR detector based on μ -Si:H p μ n structures. <i>Thin Solid Films</i> , 2000 , 364, 204-208	2.2	3
50	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
49	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	
48	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	
47	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
46	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
45	Near-infrared photodetectors based on a HgInTe-semiconductor compound 1999 ,		8
44	Transport properties in microcrystalline silicon solar cells under AM1.5 illumination analysed by two-dimensional numerical simulation. <i>Solid-State Electronics</i> , 1999 , 43, 1709-1714	1.7	3
43	Visible-infrared spectral response of microcrystalline hydrogenated silicon hetero-junctions. <i>Vacuum</i> , 1999 , 52, 121-124	3.7	2
42	Transport properties of μ -Si:H analyzed by means of numerical simulation. <i>Thin Solid Films</i> , 1999 , 337, 109-112	2.2	2
41	Simulation of hydrogenated amorphous and microcrystalline silicon optoelectronic devices. <i>Mathematics and Computers in Simulation</i> , 1999 , 49, 381-401	3.3	44
40	Microcrystalline silicon thin films for optical applications. <i>Vacuum</i> , 1999 , 52, 67-71	3.7	5
39	Anisotropic Transport in Microcrystalline P-I-N Devices. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 557, 549		2
38	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
37	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

36	A two-dimensional visible/infrared detector based on μ -Si:H p μ n structures. <i>Journal of Non-Crystalline Solids</i> , 1998 , 227-230, 1311-1315	3.9	8
35	Photocurrent in Microcrystalline Hydrogenated Silicon P-I-N Devices. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 507, 193		1
34	μ c-Si:H Thin-Film Devices for Optical Image Recognition. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 508, 145		2
33	Speed photodetectors based on amorphous and microcrystalline silicon p μ n devices. <i>Applied Physics Letters</i> , 1997 , 70, 220-222	3.4	24
32	Performance Degradation of Microcrystalline Silicon-Based p-i-n Detectors Upon He4 Irradiation. <i>Materials Science Forum</i> , 1997 , 258-263, 593-598	0.4	1
31	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> , 1997 , 76, 249-258		6
30	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> , 1997 , 76, 259-272		6
29	Bidimensional Numerical Analysis of A μ -Si:H P-I-N Photodiode under Local Illumination. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 467, 765		5
28	Spray-Deposited Metal Oxide Films with Various Properties for Micro- and Optoelectronic Applications: Growth and Characterization. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 471, 47		10
27	Wide spectral response in μ -Si:H photodiodes. <i>Thin Solid Films</i> , 1997 , 296, 164-167	2.2	16
26	Modelling a μ -Si:H p-i-n device under non-uniform illumination. <i>Thin Solid Films</i> , 1997 , 296, 110-113	2.2	1
25	Amorphous and microcrystalline silicon p-i-n optical speed sensors based on the flying spot technique. <i>Journal of Non-Crystalline Solids</i> , 1996 , 198-200, 1193-1197	3.9	
24	On the a-Si:H film growth: the role of the powder formation. <i>Journal of Non-Crystalline Solids</i> , 1996 , 198-200, 1207-1211	3.9	8
23	Transport properties of doped silicon oxycarbide microcrystalline films produced by spatial separation techniques. <i>Solar Energy Materials and Solar Cells</i> , 1996 , 41-42, 493-517	6.4	4
22	A two-dimensional numerical simulation of a non-uniformly illuminated amorphous silicon solar cell. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 3154-3159	3	18
21	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> , 1995 , 13, 2199-2209	2.9	8
20	Hydrogenated Amorphous Silicon Speed Sensor Based on the Flying Spot Technique. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 377, 839		3
19	Influence of photodegradation on the μ nd microstructure of pin a-Si:H devices. <i>Vacuum</i> , 1994 , 45, 1109-1111	3.7	

18	Light and temperature effect on pin a-Si: H device performance. <i>Vacuum</i> , 1994 , 45, 1147-1149	3.7	2
17	Application of thin film technology to optical sensors. <i>Vacuum</i> , 1994 , 45, 1151-1154	3.7	1
16	Thin film position sensitive detector based on amorphous silicon p μ n diode. <i>Review of Scientific Instruments</i> , 1994 , 65, 3784-3786	1.7	56
15	Modelling Heteroface of P.I.N Solar Cells for Improving Stability. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 336, 711		10
14	AD-Layer for Spatial Control of Light Induced Degradation on Pin Devices. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 336, 741		
13	Silicon Oxycarbide Microcrystalline Layers Produced by Spatial Separation Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 336, 55		1
12	The Structure and Composition of Doped Silicon Oxycarbide Microcrystalline Layers Produced by Spatial Separation Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 358, 787		2
11	Tailoring defects on amorphous silicon pin devices. <i>Journal of Non-Crystalline Solids</i> , 1993 , 164-166, 671-674	3.7	13
10	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> , 1993 , 164-166, 797-800	3.9	37
9	Role Of Photodegradation on the Product and Microstructure of the a-Si:H Pin Devices. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 297, 637		2
8	Large Area Position Sensitive Detector Based on Amorphous Silicon Technology. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 297, 981		19
7	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> , 1991 , 137-138, 479-482	3.9	8
6	Determination of a-Si:H Film Quality Throughfst and Sclc Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 192, 169		2
5	A NEW WEAKLY ABSORBING AND HIGHLY CONDUCTIVE (μ -Six:Cy:Oz:H) MATERIAL PRODUCED BY A TCDDC SYSTEM 1990 , 217-221		
4	Hydrogenated thin film silicon semiconductors produced by a two consecutive decomposition and deposition chamber system. <i>Vacuum</i> , 1989 , 39, 789-790	3.7	
3	Electron paramagnetic resonance of defects in doped microcrystalline silicon. <i>Vacuum</i> , 1989 , 39, 791-794	3.7	
2	Transport in μ -Six:Cy:Oz:H films prepared by a TCDDC system. <i>Journal of Non-Crystalline Solids</i> , 1989 , 114, 486-488	3.9	14
1	Characterization and modeling of Ge film thermometers for low temperature measurements		2

