

Ziv Hameiri

List of Publications by Year in descending order

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214
papers

2,971
citations

257450

24
h-index

197818

49
g-index

217
all docs

217
docs citations

217
times ranked

3225
citing authors

#	ARTICLE	IF	CITATIONS
1	Half and full solar cell efficiency binning by deep learning on electroluminescence images. Progress in Photovoltaics: Research and Applications, 2022, 30, 276-287.	8.1	7
2	Temperature-dependent performance of silicon heterojunction solar cells with transition-metal-oxide-based selective contacts. Progress in Photovoltaics: Research and Applications, 2022, 30, 981-993.	8.1	6
3	Photovoltaics literature survey (No. 171). Progress in Photovoltaics: Research and Applications, 2022, 30, 116-120.	8.1	0
4	Bulk defect characterization in metalized solar cells using temperature-dependent Suns-Voc measurements. Solar Energy Materials and Solar Cells, 2022, 236, 111530.	6.2	3
5	Photovoltaics literature survey (no. 172). Progress in Photovoltaics: Research and Applications, 2022, 30, 204-208.	8.1	1
6	Photovoltaics literature survey (No. 173). Progress in Photovoltaics: Research and Applications, 2022, 30, 318-321.	8.1	0
7	Bulk Lifetime and Doping in Crystalline Silicon via Two-Photon Absorption Time-Resolved Photoluminescence Decay. IEEE Journal of Photovoltaics, 2022, 12, 778-786.	2.5	0
8	Photovoltaics literature survey (No. 174). Progress in Photovoltaics: Research and Applications, 2022, 30, 447-451.	8.1	0
9	Illumination-dependent temperature coefficients of the electrical parameters of modern silicon solar cell architectures. Nano Energy, 2022, 98, 107221.	16.0	5
10	PTAA as Efficient Hole Transport Materials in Perovskite Solar Cells: A Review. Solar Rrl, 2022, 6, .	5.8	65
11	Automated efficiency loss analysis by luminescence image reconstruction using generative adversarial networks. Joule, 2022, 6, 1320-1332.	24.0	2
12	Introduction: focus on characterisation and reliability of photovoltaic modules in utility-scale plants. Progress in Energy, 2022, 4, 030201.	10.9	0
13	The Role of Charge and Recombination-Enhanced Defect Reaction Effects in the Dissociation of FeB Pairs in p-Type Silicon under Carrier Injection. Physica Status Solidi - Rapid Research Letters, 2021, , 2000520.	2.4	1
14	Photovoltaics literature survey (No. 163). Progress in Photovoltaics: Research and Applications, 2021, 29, 134-139.	8.1	0
15	Outdoor Implied Current-Voltage Measurements of an Individual Encapsulated Cell in a Module. IEEE Journal of Photovoltaics, 2021, 11, 164-173.	2.5	4
16	On the Correlation between Light-Induced Degradation and Minority Carrier Traps in Boron-Doped Czochralski Silicon. ACS Applied Materials & Interfaces, 2021, 13, 6140-6146.	8.0	3
17	Review of injection dependent charge carrier lifetime spectroscopy. Progress in Energy, 2021, 3, 012001.	10.9	8
18	Electrical Characterization of Thermally Activated Defects in n-Type Float-Zone Silicon. IEEE Journal of Photovoltaics, 2021, 11, 26-35.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Photovoltaics literature survey (No. 164). Progress in Photovoltaics: Research and Applications, 2021, 29, 262-266.	8.1	0
20	Photovoltaics literature survey (No. 165). Progress in Photovoltaics: Research and Applications, 2021, 29, 414-419.	8.1	0
21	Identification of embedded nanotwins at c-Si/a-Si:H interface limiting the performance of high-efficiency silicon heterojunction solar cells. Nature Energy, 2021, 6, 194-202.	39.5	52
22	Enhanced Hole Carrier Selectivity in Wide Bandgap Halide Perovskite Photovoltaic Devices for Indoor Internet of Things Applications. Advanced Functional Materials, 2021, 31, 2008908.	14.9	31
23	Photovoltaics literature survey (No. 166). Progress in Photovoltaics: Research and Applications, 2021, 29, 499-503.	8.1	0
24	Photoconductance Determination of Carrier Capture Cross Sections of Slow Traps in Silicon Through Variable Pulse Filling. IEEE Journal of Photovoltaics, 2021, 11, 273-281.	2.5	4
25	Photovoltaics literature survey (No. 167). Progress in Photovoltaics: Research and Applications, 2021, 29, 649-653.	8.1	1
26	Investigation of Light-Induced Degradation in Ga- and In-Doped Cz Silicon. , 2021, , .		3
27	Unravelling the silicon-silicon dioxide interface under different operating conditions. Solar Energy Materials and Solar Cells, 2021, 224, 111021.	6.2	3
28	Localization of defects in solar cells using luminescence images and deep learning. , 2021, , .		2
29	Temperature-dependent performance of silicon solar cells with polysilicon passivating contacts. Solar Energy Materials and Solar Cells, 2021, 225, 111020.	6.2	14
30	Impurity gettering by silicon nitride films: kinetics, mechanisms and simulation. , 2021, , .		0
31	Temperature- and Illumination-Dependent Characterization of Solar Cells Using $Sun-V_{OC}(T)$ and $I-V(T)$. , 2021, , .		4
32	A Dynamic Calibration Method for Injection-Dependent Charge Carrier Lifetime Measurements. Small Methods, 2021, 5, e2100440.	8.6	1
33	Investigation of the selectivity-mechanism of copper (I) sulfide (Cu ₂ S) as a dopant-free carrier selective contact for silicon solar cells. Applied Surface Science, 2021, 555, 149727.	6.1	4
34	Photovoltaics literature survey (No. 168). Progress in Photovoltaics: Research and Applications, 2021, 29, 968-974.	8.1	0
35	Spatially resolved defects parameters of the D1 dislocation center in silicon using temperature- and injection-dependent hyperspectral photoluminescence mapping. Solar Energy Materials and Solar Cells, 2021, 229, 111079.	6.2	2
36	Photovoltaics literature survey (No. 169). Progress in Photovoltaics: Research and Applications, 2021, 29, 1138-1144.	8.1	0

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37	Selective Current-Injected Electroluminescence Imaging for Series Resistance Feature Identification. Solar Rrl, 2021, 5, 2100486.	5.8	2
38	Impurity Gettering by Silicon Nitride Films: Kinetics, Mechanisms, and Simulation. ACS Applied Energy Materials, 2021, 4, 10849-10856.	5.1	7
39	Investigation of minority carrier traps in p-type mc-Si: Effect of firing and laser annealing. Solar Energy Materials and Solar Cells, 2021, 232, 111341.	6.2	0
40	Contactless Series Resistance Imaging of Perovskite Solar Cells via Inhomogeneous Illumination. Solar Rrl, 2021, 5, 2100655.	5.8	2
41	Photovoltaics literature survey (No. 170). Progress in Photovoltaics: Research and Applications, 2021, 29, 1303-1308.	8.1	0
42	Hydrogenation in multicrystalline silicon: The impact of dielectric film properties and firing conditions. Progress in Photovoltaics: Research and Applications, 2020, 28, 493-502.	8.1	7
43	Outdoor photoluminescence imaging of solar panels by contactless switching: Technical considerations and applications. Progress in Photovoltaics: Research and Applications, 2020, 28, 217-228.	8.1	26
44	Photovoltaics literature survey (No. 155). Progress in Photovoltaics: Research and Applications, 2020, 28, 90-96.	8.1	0
45	Photoluminescence-Based Spatially Resolved Temperature Coefficient Maps of Silicon Wafers and Solar Cells. IEEE Journal of Photovoltaics, 2020, 10, 585-594.	2.5	11
46	Photovoltaics literature survey (No. 161). Progress in Photovoltaics: Research and Applications, 2020, 28, 1089-1094.	8.1	0
47	Extracting bulk defect parameters in silicon wafers using machine learning models. Npj Computational Materials, 2020, 6, .	8.7	10
48	Photovoltaics literature survey (No. 160). Progress in Photovoltaics: Research and Applications, 2020, 28, 854-859.	8.1	0
49	Photovoltaics literature survey (No. 162). Progress in Photovoltaics: Research and Applications, 2020, 28, 1355-1360.	8.1	0
50	Investigation of two-level defects in injection dependent lifetime spectroscopy. Solar Energy Materials and Solar Cells, 2020, 216, 110692.	6.2	3
51	Deep-Level Defect in Quasi-Vertically Oriented CuSbS ₂ Thin Film. Solar Rrl, 2020, 4, 2000319.	5.8	1
52	Solar Cell Cracks and Finger Failure Detection Using Statistical Parameters of Electroluminescence Images and Machine Learning. Applied Sciences (Switzerland), 2020, 10, 8834.	2.5	26
53	Photovoltaic literature survey (no. 158). Progress in Photovoltaics: Research and Applications, 2020, 28, 342-345.	8.1	0
54	Photovoltaics literature survey (No. 157). Progress in Photovoltaics: Research and Applications, 2020, 28, 229-234.	8.1	0

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55	Temperature Coefficients of Crystal Defects in Multicrystalline Silicon Wafers. IEEE Journal of Photovoltaics, 2020, 10, 449-457.	2.5	8
56	Photovoltaics literature survey (No. 156). Progress in Photovoltaics: Research and Applications, 2020, 28, 167-173.	8.1	1
57	Detailed analysis of radiative transitions from defects in n-type monocrystalline silicon using temperature- and light intensity-dependent spectral Photoluminescence. Solar Energy Materials and Solar Cells, 2020, 208, 110376.	6.2	4
58	Photovoltaics literature survey (No. 159). Progress in Photovoltaics: Research and Applications, 2020, 28, 621-626.	8.1	2
59	Boron-oxygen related light-induced degradation of Si solar cells: Transformation between minority carrier traps and recombination active centers. , 2020, , .		1
60	Outdoor PL imaging of crystalline silicon modules at constant operating point. , 2020, , .		5
61	End-of-Line Binning of Full and Half-Cut Cells using Deep Learning on Electroluminescence Images. , 2020, , .		3
62	Temperature-dependent Photoluminescence Imaging using Non-uniform Excitation. , 2020, , .		1
63	Optimization of Solar Cell Production Lines Using Neural Networks and Genetic Algorithms. ACS Applied Energy Materials, 2020, 3, 10317-10322.	5.1	5
64	Photovoltaics literature survey (no. 152). Progress in Photovoltaics: Research and Applications, 2019, 27, 739-746.	8.1	0
65	A high-accuracy calibration method for temperature dependent photoluminescence imaging. AIP Conference Proceedings, 2019, , .	0.4	7
66	New insights into the thermally activated defects in n-type float-zone silicon. AIP Conference Proceedings, 2019, , .	0.4	13
67	Improvement of Cs ₃ FAPb _{0.85} (MAPbBr ₃) _{0.15} Quality Via DMSO Molecule Control to Increase the Efficiency and Boost the Long-Term Stability of 2 cm ² Sized Planar Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800338.	5.8	21
68	Photovoltaics literature survey (No. 148). Progress in Photovoltaics: Research and Applications, 2019, 27, 190-195.	8.1	0
69	Advanced passivation of laser-doped and grooved solar cells. Solar Energy Materials and Solar Cells, 2019, 193, 403-410.	6.2	11
70	Temperature Sensitivity of Multicrystalline Silicon Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 957-964.	2.5	14
71	Degradation and regeneration of radiation-induced defects in silicon: A study of vacancy-hydrogen interactions. Solar Energy Materials and Solar Cells, 2019, 200, 109990.	6.2	6
72	Photovoltaics literature survey (No. 151). Progress in Photovoltaics: Research and Applications, 2019, 27, 556-561.	8.1	0

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73	Investigation of industrial PECVD AlO _x films with very low surface recombination. Solar Energy, 2019, 186, 94-105.	6.1	12
74	Reassessments of Minority Carrier Traps in Silicon With Photoconductance Decay Measurements. IEEE Journal of Photovoltaics, 2019, 9, 652-659.	2.5	14
75	Photovoltaics literature survey (No. 150). Progress in Photovoltaics: Research and Applications, 2019, 27, 371-375.	8.1	0
76	Photovoltaics literature survey (no. 149). Progress in Photovoltaics: Research and Applications, 2019, 27, 275-279.	8.1	0
77	Numerical simulations of two-photon absorption time-resolved photoluminescence to extract the bulk lifetime of semiconductors under varying surface recombination velocities. Journal of Applied Physics, 2019, 125, .	2.5	2
78	A Novel Method for Characterizing Temperature Sensitivity of Silicon Wafers and Cells. , 2019, , .		4
79	How Gettering Affects the Temperature Sensitivity of the Implied Open Circuit Voltage of Multicrystalline Silicon Wafers. , 2019, , .		2
80	A Machine Learning Approach to Defect Parameters Extraction: Using Random Forests to Inverse the Shockley-Read-Hall Equation. , 2019, , .		3
81	A simplified contactless method for outdoor photoluminescence imaging. , 2019, , .		2
82	Injection Dependent Lifetime Spectroscopy for Two-Level Defects in Silicon. , 2019, , .		2
83	PHOTOVOLTAICS LITERATURE SURVEY (No. 154). Progress in Photovoltaics: Research and Applications, 2019, 27, 1125-1130.	8.1	0
84	Photovoltaics literature survey (No. 153). Progress in Photovoltaics: Research and Applications, 2019, 27, 889-895.	8.1	0
85	Degradation and Recovery of <i>n</i> -Type Multi-Crystalline Silicon Under Illuminated and Dark Annealing Conditions at Moderate Temperatures. IEEE Journal of Photovoltaics, 2019, 9, 355-363.	2.5	17
86	Photovoltaics literature survey (No. 147). Progress in Photovoltaics: Research and Applications, 2019, 27, 98-104.	8.1	0
87	Degradation of Surface Passivation and Bulk in p-Type Monocrystalline Silicon Wafers at Elevated Temperature. IEEE Journal of Photovoltaics, 2019, 9, 97-105.	2.5	19
88	Dopant-Free Partial Rear Contacts Enabling 23% Silicon Solar Cells. Advanced Energy Materials, 2019, 9, 1803367.	19.5	77
89	On cooling/heating mechanisms in a self-cooled light-emitting diode with type-II band offset. Journal of Applied Physics, 2019, 125, .	2.5	0
90	Gettering Effects of Silicon Nitride Films From Various Plasma-Enhanced Chemical Vapor Deposition Conditions. IEEE Journal of Photovoltaics, 2019, 9, 78-81.	2.5	9

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91	On the impact of dark annealing and room temperature illumination on p-type multicrystalline silicon wafers. <i>Solar Energy Materials and Solar Cells</i> , 2019, 189, 166-174.	6.2	37
92	On the Transient Negative Photoconductance in n-type Czochralski Silicon. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 421-427.	2.5	3
93	Exploring Inorganic Binary Alkaline Halide to Passivate Defects in Low-Temperature-Processed Planar-Structure Hybrid Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800138.	19.5	186
94	Carrier-Induced Degradation in Multicrystalline Silicon: Dependence on the Silicon Nitride Passivation Layer and Hydrogen Released During Firing. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 413-420.	2.5	77
95	Photovoltaics literature survey (no. 141). <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 234-238.	8.1	2
96	Luminescence Imaging Characterization of Perovskite Solar Cells: A Note on the Analysis and Reporting the Results. <i>Advanced Energy Materials</i> , 2018, 8, 1702256.	19.5	16
97	Photovoltaics literature survey (No. 140). <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 151-156.	8.1	1
98	Photovoltaic Literature Survey (No. 139). <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 86-89.	8.1	0
99	Photovoltaics literature survey (no. 142). <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 310-314.	8.1	2
100	Outdoor photoluminescence imaging of photovoltaic modules with sunlight excitation. <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 69-73.	8.1	77
101	Reassessment of Minority Carrier Traps in Silicon during Quasi-Steady-State Photoconductance Measurements. , 2018, , .		0
102	Determining Limits of Two-Photon Time-Resolved Photoluminescence for Measuring the Bulk Lifetime in Semiconductors. , 2018, , .		0
103	Contactless Extraction of Implied I-V Curves of Individual Solar Cells in Fully Assembled Modules Using Photoluminescence. , 2018, , .		0
104	Photoluminescence Imaging at Uniform Excess Carrier Density Using Adaptive Nonuniform Excitation. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1787-1792.	2.5	7
105	Photovoltaics literature survey (No. 146). <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 1007-1012.	8.1	0
106	A unified parameter set designed for typical 2D/3D simulations of homo-/hetero-/single-/multi-junction solar cells in various simulation programs. , 2018, , .		1
107	Insights into Bulk Defects in n-type Monocrystalline Silicon Wafers via Temperature-Dependent Micro-Photoluminescence Spectroscopy. , 2018, , .		1
108	Hydrogen-Induced Degradation. , 2018, , .		24

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109	Inspecting series resistance effects and bypass diode failure using contactless outdoor photoluminescence imaging. , 2018, , .		5
110	23% efficient n-type crystalline silicon solar cells with passivated partial rear contacts. , 2018, , .		1
111	Extracting Surface Saturation Current Density from Lifetime Measurements of Samples with Metallized Surfaces. , 2018, , .		2
112	Investigating the different degradation behavior of multicrystalline silicon PERC and Al-BSF solar cells. , 2018, , .		1
113	Photovoltaics Literature Survey (No. 145). Progress in Photovoltaics: Research and Applications, 2018, 26, 877-884.	8.1	0
114	Impact of Dark Annealing on the Kinetics of Light- and Elevated-Temperature-Induced Degradation. IEEE Journal of Photovoltaics, 2018, 8, 1494-1502.	2.5	19
115	The Principle of Adaptive Excitation for Photoluminescence Imaging of Silicon: Theory. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800137.	2.4	6
116	Cu ₂ ZnSnS ₄ solar cells with over 10% power conversion efficiency enabled by heterojunction heat treatment. Nature Energy, 2018, 3, 764-772.	39.5	623
117	Photovoltaics literature survey (No. 144). Progress in Photovoltaics: Research and Applications, 2018, 26, 688-693.	8.1	1
118	Photovoltaics literature survey (No. 143). Progress in Photovoltaics: Research and Applications, 2018, 26, 419-424.	8.1	0
119	Extracting Metal Contact Recombination Parameters From Effective Lifetime Data. IEEE Journal of Photovoltaics, 2018, 8, 1413-1420.	2.5	22
120	Work function and induced band bending characterization for engineering of selective contact for solar cells. Advanced Materials Letters, 2018, 9, 629-631.	0.6	1
121	Photovoltaics Literature Survey (No. 132). Progress in Photovoltaics: Research and Applications, 2017, 25, 201-205.	8.1	1
122	Photovoltaics literature survey (No. 133). Progress in Photovoltaics: Research and Applications, 2017, 25, 264-267.	8.1	0
123	An advanced software suite for the processing and analysis of silicon luminescence images. Computer Physics Communications, 2017, 215, 223-234.	7.5	16
124	Photoluminescence Imaging of Silicon Wafers and Solar Cells With Spatially Inhomogeneous Illumination. IEEE Journal of Photovoltaics, 2017, 7, 1087-1091.	2.5	23
125	Photovoltaics literature survey (No. 135). Progress in Photovoltaics: Research and Applications, 2017, 25, 470-474.	8.1	0
126	Application of the Newton-Raphson Method to Lifetime Spectroscopy for Extraction of Defect Parameters. IEEE Journal of Photovoltaics, 2017, 7, 1092-1097.	2.5	12

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127	Low-Absorbing and Thermally Stable Industrial Silicon Nitride Films With Very Low Surface Recombination. IEEE Journal of Photovoltaics, 2017, 7, 996-1003.	2.5	46
128	Selective emitter solar cell through simultaneous laser doping and grooving of silicon followed by self-aligned metal plating. Solar Energy Materials and Solar Cells, 2017, 169, 151-158.	6.2	11
129	Industrially feasible, dopant-free, carrier-selective contacts for high-efficiency silicon solar cells. Progress in Photovoltaics: Research and Applications, 2017, 25, 896-904.	8.1	137
130	Photovoltaics literature survey (No. 134). Progress in Photovoltaics: Research and Applications, 2017, 25, 335-337.	8.1	0
131	Recombination parameters of lifetime-limiting carrier-induced defects in multicrystalline silicon for solar cells. Applied Physics Letters, 2017, 110, .	3.3	58
132	Lessons Learnt from Spatially Resolved Electro- and Photoluminescence Imaging: Interfacial Delamination in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Planar Perovskite Solar Cells upon Illumination. Advanced Energy Materials, 2017, 7, 1602111.	19.5	50
133	Photovoltaics literature survey (No. 131). Progress in Photovoltaics: Research and Applications, 2017, 25, 132-136.	8.1	0
134	An Advanced Qualitative Model Regarding the Role of Oxygen During POCl_3 Diffusion in Silicon. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700046.	2.4	7
135	Photovoltaics literature survey (No. 137). Progress in Photovoltaics: Research and Applications, 2017, 25, 878-884.	8.1	1
136	In - situ diagnostics of PECVD AlO_x deposition by optical emission spectroscopy. Surface and Coatings Technology, 2017, 328, 204-210.	4.8	4
137	Photovoltaics literature survey (no. 136). Progress in Photovoltaics: Research and Applications, 2017, 25, 746-752.	8.1	0
138	On elimination of inactive phosphorus in industrial POCl_3 diffused emitters for high efficiency silicon solar cells. Solar Energy Materials and Solar Cells, 2017, 171, 213-221.	6.2	12
139	Comparison of Terminal and Implied Open-Circuit Voltage Measurements. IEEE Journal of Photovoltaics, 2017, 7, 1376-1383.	2.5	15
140	Overcoming the Challenges of Large-Area High-Efficiency Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 1978-1984.	17.4	130
141	Photovoltaics literature survey (no. 138). Progress in Photovoltaics: Research and Applications, 2017, 25, 1077-1083.	8.1	1
142	Applications of DMD-based Inhomogeneous Illumination Photoluminescence Imaging for Silicon Wafers and Solar Cells. , 2017, , .		0
143	Metal Induced Contact Recombination Measured By Quasi-steady-state Photoluminescence. , 2017, , .		6
144	Assessing the defect responsible for LeTID: temperature- and injection-dependent lifetime spectroscopy. , 2017, , .		3

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145	On the use of voltage measurements for determining carrier lifetime at high illumination intensity. , 2017, , .		0
146	Photovoltaics literature survey (no. 127). Progress in Photovoltaics: Research and Applications, 2016, 24, 899-902.	8.1	0
147	Should the refractive index at 633 nm be used to characterize silicon nitride films?. , 2016, , .		8
148	Outstanding As-deposited surface passivation by industrial PECVD aluminum oxide. , 2016, , .		1
149	Advanced optical modelling of dynamically deposited silicon nitride layers. Applied Physics Letters, 2016, 109, .	3.3	6
150	Electro- and photoluminescence imaging as fast screening technique of the layer uniformity and device degradation in planar perovskite solar cells. Journal of Applied Physics, 2016, 120, .	2.5	27
151	Photovoltaics literature survey (No. 123). Progress in Photovoltaics: Research and Applications, 2016, 24, 133-136.	8.1	0
152	Photovoltaics literature survey (No. 124). Progress in Photovoltaics: Research and Applications, 2016, 24, 269-272.	8.1	0
153	Photovoltaics literature survey (No. 125). Progress in Photovoltaics: Research and Applications, 2016, 24, 405-407.	8.1	7
154	Boron-Oxygen Defect Formation Rates and Activity at Elevated Temperatures. Energy Procedia, 2016, 92, 791-800.	1.8	18
155	Photovoltaics literature survey (no. 129). Progress in Photovoltaics: Research and Applications, 2016, 24, 1378-1381.	8.1	1
156	Photovoltaics literature survey (No. 128). Progress in Photovoltaics: Research and Applications, 2016, 24, 1157-1161.	8.1	0
157	Photovoltaics literature survey (no. 130). Progress in Photovoltaics: Research and Applications, 2016, 24, 1641-1645.	8.1	0
158	Photovoltaics literature survey (No. 126). Progress in Photovoltaics: Research and Applications, 2016, 24, 584-587.	8.1	0
159	Photovoltaics Literature survey (No. 122). Progress in Photovoltaics: Research and Applications, 2015, 23, 1970-1974.	8.1	0
160	Photovoltaics Literature survey (no. 120). Progress in Photovoltaics: Research and Applications, 2015, 23, 1067-1071.	8.1	0
161	Photovoltaics literature survey (no. 121). Progress in Photovoltaics: Research and Applications, 2015, 23, 1436-1440.	8.1	0
162	Photovoltaics literature survey (no. 119). Progress in Photovoltaics: Research and Applications, 2015, 23, 800-803.	8.1	0

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163	Photoluminescence and electroluminescence imaging of perovskite solar cells. Progress in Photovoltaics: Research and Applications, 2015, 23, 1697-1705.	8.1	76
164	Study of hydrogen influence and conduction mechanism of amorphous indium tin oxide for heterojunction silicon wafer solar cells. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2226-2232.	1.8	7
165	Spatially resolved lifetime spectroscopy from temperature-dependent photoluminescence imaging. , 2015, , .		2
166	The effect of front pyramid heights on the efficiency of homogeneously textured inline-diffused screen-printed monocrystalline silicon wafer solar cells. Renewable Energy, 2015, 78, 590-598.	8.9	41
167	Photovoltaics literature survey (No. 117). Progress in Photovoltaics: Research and Applications, 2015, 23, 398-401.	8.1	0
168	Photovoltaics literature survey (No. 115). Progress in Photovoltaics: Research and Applications, 2015, 23, 131-134.	8.1	0
169	Photovoltaics literature survey (No. 116). Progress in Photovoltaics: Research and Applications, 2015, 23, 265-268.	8.1	0
170	Photovoltaics literature survey (No. 118). Progress in Photovoltaics: Research and Applications, 2015, 23, 533-536.	8.1	0
171	Comparative study of amorphous indium tin oxide prepared by pulsed-DC and unbalanced RF magnetron sputtering at low power and low temperature conditions for heterojunction silicon wafer solar cell applications. Vacuum, 2015, 119, 68-76.	3.5	24
172	Dielectric Charge Tailoring in PECVD SiO_x & SiN Stacks and Application at the Rear of Al Local Back Surface Field Si Wafer Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 1014-1019.	2.5	13
173	Ultralow Interface State Density Achieved by Light-Induced Anodization of Aluminum on Silicon Solar Cell Surfaces. IEEE Journal of Photovoltaics, 2015, 5, 1020-1026.	2.5	3
174	The impact of surface damage region and edge recombination on the effective lifetime of silicon wafers at low illumination conditions. Journal of Applied Physics, 2015, 117, 085705.	2.5	6
175	Influence of discharge power and annealing temperature on the properties of indium tin oxide thin films prepared by pulsed-DC magnetron sputtering. Vacuum, 2015, 121, 187-193.	3.5	15
176	Stored charge properties of anodic aluminium oxide on silicon substrate. , 2014, , .		2
177	Contactless determination of the carrier mobility sum in silicon wafers using combined photoluminescence and photoconductance measurements. Applied Physics Letters, 2014, 104, .	3.3	4
178	Novel Hybrid Electrode Using Transparent Conductive Oxide and Silver Nanoparticle Mesh for Silicon Solar Cell Applications. Energy Procedia, 2014, 55, 670-678.	1.8	14
179	Photovoltaics literature survey (No. 114). Progress in Photovoltaics: Research and Applications, 2014, 22, 1316-1320.	8.1	0
180	SunsPZ©: Real-time spatially resolved solar cell parameter visualizer. , 2014, , .		0

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181	Accurate potential drop sheet resistance measurements of laser-doped areas in semiconductors. Journal of Applied Physics, 2014, 116, 134505.	2.5	2
182	The Impact of SiO ₂ /SiN _x Stack Thickness on Laser Doping of Silicon Solar Cell. IEEE Journal of Photovoltaics, 2014, 4, 594-600.	2.5	7
183	Use of QSSPC and QSSPL to Monitor Recombination Processes in P-type Silicon Solar Cells. Energy Procedia, 2014, 55, 169-178.	1.8	8
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185	Investigation of low injection effects using the local ideality factor obtained from effective lifetime measurements. , 2014, , .		2
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