Klaus J Weber

List of Publications by Year
in descending order

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197	8,262	50276	53230
papers	citations	46 h-index	85 g-index

200	200	200	9004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rubidium Multication Perovskite with Optimized Bandgap for Perovskiteâ€Silicon Tandem with over 26% Efficiency. Advanced Energy Materials, 2017, 7, 1700228.	19.5	443
2	A Universal Doubleâ€Side Passivation for High Openâ€Circuit Voltage in Perovskite Solar Cells: Role of Carbonyl Groups in Poly(methyl methacrylate). Advanced Energy Materials, 2018, 8, 1801208.	19.5	387
3	Interface passivation using ultrathin polymerâ€“fullerene films for high-efficiency perovskite solar cells with negligible hysteresis. Energy and Environmental Science, 2017, 10, 1792-1800.	30.8	381
4	Highâ€Performance TiO₂â€Based Electronâ€Selective Contacts for Crystalline Silicon Solar Cells. Advanced Materials, 2016, 28, 5891-5897.	21.0	300
5	Nanoscale localized contacts for high fill factors in polymer-passivated perovskite solar cells. Science, 2021, 371, 390-395.	12.6	270
6	Rb as an Alternative Cation for Templating Inorganic Lead-Free Perovskites for Solution Processed Photovoltaics. Chemistry of Materials, 2016, 28, 7496-7504.	6.7	249
7	From Streets to Suites: How the Anti- Biotech Movement Affected German Pharmaceutical Firms. American Sociological Review, 2009, 74, 106-127.	5.2	210
8	Mechanically-stacked perovskite/CIGS tandem solar cells with efficiency of 23.9% and reduced oxygen sensitivity. Energy and Environmental Science, 2018, 11, 394-406.	30.8	209
9	Monolithic perovskite/silicon-homojunction tandem solar cell with over 22% efficiency. Energy and Environmental Science, 2017, 10, 2472-2479.	30.8	178
10	Silicon heterojunction solar cells with electron selective TiOx contact. Solar Energy Materials and Solar Cells, 2016, 150, 32-38.	6.2	169
11	Efficient Indiumâ€Doped TiO_x Electron Transport Layers for Highâ€Performance Perovskite Solar Cells and Perovskiteâ€Silicon Tandems. Advanced Energy Materials, 2017, 7, 1601768.	19.5	167
12	Social Movements, Civil Society and Corporations: Taking Stock and Looking Ahead. Organization Studies, 2013, 34, 573-593.	5.3	166
13	Hysteresis phenomena in perovskite solar cells: the many and varied effects of ionic accumulation. Physical Chemistry Chemical Physics, 2017, 19, 3094-3103.	2.8	159
14	Nonlesions, Misdiagnoses, Missed Diagnoses, and Other Interpretive Challenges in Fish Histopathology Studies. Toxicologic Pathology, 2015, 43, 297-325.	1.8	153
15	Policy as Myth and Ceremony? The Global Spread of Stock Exchanges, 1980â€“2005. Academy of Management Journal, 2009, 52, 1319-1347.	6.3	143
16	High-Efficiency Silicon Heterojunction Solar Cells: Materials, Devices and Applications. Materials Science and Engineering Reports, 2020, 142, 100579.	31.8	139
17	Industrially feasible, dopantâ€free, carrierâ€selective contacts for highâ€efficiency silicon solar cells. Progress in Photovoltaics: Research and Applications, 2017, 25, 896-904.	8.1	137
18	Centimetre-scale perovskite solar cells with fill factors of more than 86 per cent. Nature, 2022, 601, 573-578.	27.8	137

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19	Structural engineering using rubidium iodide as a dopant under excess lead iodide conditions for high efficiency and stable perovskites. Nano Energy, 2016, 30, 330-340.	16.0	133
20	Limitations of Cs₃Bi₂I₉ as Lead-Free Photovoltaic Absorber Materials. ACS Applied Materials & Interfaces, 2018, 10, 35000-35007.	8.0	133
21	Doubleâ€Sided Surface Passivation of 3D Perovskite Film for Highâ€Efficiency Mixedâ€Dimensional Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 1907962.	14.9	130
22	Diclofenac: New data on chronic toxicity and bioconcentration in fish. Environmental Toxicology and Chemistry, 2013, 32, 442-452.	4.3	121
23	CEO Ambivalence and Responses to Strategic Issues. Organization Science, 2009, 20, 993-1010.	4.5	120
24	A review of thin-film crystalline silicon for solar cell applications. Part 2: Foreign substrates. Solar Energy Materials and Solar Cells, 2001, 68, 173-215.	6.2	115
25	Light and Electrically Induced Phase Segregation and Its Impact on the Stability of Quadruple Cation High Bandgap Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 26859-26866.	8.0	114
26	High Efficiency Perovskiteâ€Silicon Tandem Solar Cells: Effect of Surface Coating versus Bulk Incorporation of 2D Perovskite. Advanced Energy Materials, 2020, 10, 1903553.	19.5	110
27	Coronary optical frequency domain imaging (OFDI) for in vivo evaluation of stent healing: comparison with light and electron microscopy. European Heart Journal, 2010, 31, 1792-1801.	2.2	109
28	Identifying the Cause of Voltage and Fill Factor Losses in Perovskite Solar Cells by Using Luminescence Measurements. Energy Technology, 2017, 5, 1827-1835.	3.8	103
29	A review of thin-film crystalline silicon for solar cell applications. Part 1: Native substrates. Solar Energy Materials and Solar Cells, 2001, 68, 135-171.	6.2	101
30	Origin of Efficiency and Stability Enhancement in Highâ€Performing Mixed Dimensional 2Dâ€3D Perovskite Solar Cells: A Review. Advanced Functional Materials, 2022, 32, 2009164.	14.9	96
31	Marks of Distinction. Administrative Science Quarterly, 2015, 60, 333-367.	6.9	94
32	Perovskite Solar Cells Employing Copper Phthalocyanine Hole-Transport Material with an Efficiency over 20% and Excellent Thermal Stability. ACS Energy Letters, 2018, 3, 2441-2448.	17.4	90
33	Monolithic Perovskite/Si Tandem Solar Cells: Pathways to Over 30% Efficiency. Advanced Energy Materials, 2020, 10, 1902840.	19.5	87
34	Semitransparent Perovskite Solar Cell With Sputtered Front and Rear Electrodes for a Four-Terminal Tandem. IEEE Journal of Photovoltaics, 2016, 6, 679-687.	2.5	80
35	Design guidelines for perovskite/silicon 2-terminal tandem solar cells: an optical study. Optics Express, 2016, 24, A1454.	3.4	76
36	On the Origin of Hysteresis in Perovskite Solar Cells. Advanced Functional Materials, 2016, 26, 6807-6813.	14.9	74

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37	Inverted Hysteresis in CH₃NH₃PbI₃ Solar Cells: Role of Stoichiometry and Band Alignment. Journal of Physical Chemistry Letters, 2017, 8, 2672-2680.	4.6	71
38	How reliable are efficiency measurements of perovskite solar cells? The first inter-comparison, between two accredited and eight non-accredited laboratories. Journal of Materials Chemistry A, 2017, 5, 22542-22558.	10.3	70
39	An antimicrobial modified silicone peritoneal catheter with activity against both Gram positive and Gram negative bacteria. Biomaterials, 2009, 30, 3167-3173.	11.4	69
40	Therapeutic targeting of the RB1 pathway in retinoblastoma with the oncolytic adenovirus VCN-01. Science Translational Medicine, 2019, 11, .	12.4	67
41	Organizational Structure from Interaction: Evidence from Corporate Sustainability Efforts. Administrative Science Quarterly, 2020, 65, 226-271.	6.9	67
42	Transient Photovoltage in Perovskite Solar Cells: Interaction of Trap-Mediated Recombination and Migration of Multiple Ionic Species. Journal of Physical Chemistry C, 2018, 122, 11270-11281.	3.1	66
43	Association of mitochondrial antioxidant enzymes with mitochondrial DNA as integral nucleoid constituents. FASEB Journal, 2009, 23, 2034-2044.	0.5	64
44	A Novel Low-Cost, High-Efficiency Micromachined Silicon Solar Cell. IEEE Electron Device Letters, 2004, 25, 37-39.	3.9	62
45	Organizations as Polities: An Open Systems Perspective. Academy of Management Annals, 2017, 11, 886-918.	9.6	58
46	Institutional Complexity and Organizational Change: An Open Polity Perspective. Academy of Management Review, 2019, 44, 336-359.	11.7	58
47	Debating the Future of Management Research. Journal of Management Studies, 2014, 51, 38-55.	8.3	55
48	Differences in Rat Models Used in Routine Toxicity Studies. International Journal of Toxicology, 2011, 30, 162-173.	1.2	53
49	When the glass is half full and half empty: CEOs' ambivalent interpretations of strategic issues. Strategic Management Journal, 2010, 31, 689-710.	7.3	48
50	Light and elevated temperature induced degradation (LeTID) in perovskite solar cells and development of stable semi-transparent cells. Solar Energy Materials and Solar Cells, 2018, 188, 27-36.	6.2	43
51	Improved Reproducibility for Perovskite Solar Cells with 1 cm² Active Area by a Modified Two-Step Process. ACS Applied Materials & Interfaces, 2017, 9, 5974-5981.	8.0	41
52	Combined Bulk and Surface Passivation in Dimensionally Engineered 2Dâ€3D Perovskite Films via Chlorine Diffusion. Advanced Functional Materials, 2021, 31, 2104251.	14.9	37
53	Improved silicon surface passivation achieved by negatively charged silicon nitride films. Applied Physics Letters, 2009, 94, 063509.	3.3	36
54	Pathology working group review of histopathologic specimens from three laboratory studies of diclofenac in trout. Aquatic Toxicology, 2014, 146, 127-136.	4.0	35

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55	Surface Passivation of Boron-Diffused p-Type Silicon Surfaces With (1 0 0) and (1 1 1) Orientations by ALD Al$_{2}$O$_{3}$ Layers. IEEE Journal of Photovoltaics, 2013, 3, 678-683.	2.5	34
56	In Situ Formation of Mixedâ€Dimensional Surface Passivation Layers in Perovskite Solar Cells with Dualâ€Isomer Alkylammonium Cations. Small, 2020, 16, e2005022.	10.0	34
57	Al2O3/TiO2 stack layers for effective surface passivation of crystalline silicon. Journal of Applied Physics, 2013, 114, .	2.5	33
58	Light trapping efficiency comparison of Si solar cell textures using spectral photoluminescence. Optics Express, 2015, 23, A391.	3.4	33
59	SliverÂ® solar cells: A new thin-crystalline silicon photovoltaic technology. Solar Energy Materials and Solar Cells, 2006, 90, 3422-3430.	6.2	32
60	Sliver Solar Cells: High-Efficiency, Low-Cost PV Technology. Advances in OptoElectronics, 2007, 2007, 1-9.	0.6	32
61	Efficient and stable wide bandgap perovskite solar cells through surface passivation with long alkyl chain organic cations. Journal of Materials Chemistry A, 2021, 9, 18454-18465.	10.3	32
62	On the Use of Luminescence Intensity Images for Quantified Characterization of Perovskite Solar Cells: Spatial Distribution of Series Resistance. Advanced Energy Materials, 2018, 8, 1701522.	19.5	29
63	Metal halide perovskite: a game-changer for photovoltaics and solar devices via a tandem design. Science and Technology of Advanced Materials, 2018, 19, 53-75.	6.1	28
64	A novel silicon texturization method based on etching through a silicon nitride mask. Progress in Photovoltaics: Research and Applications, 2005, 13, 691-695.	8.1	27
65	Defect generation at the Siâ€“SiO2 interface following corona charging. Applied Physics Letters, 2007, 90, 262109.	3.3	25
66	Interfacial Dynamics and Contact Passivation in Perovskite Solar Cells. Advanced Electronic Materials, 2019, 5, 1800500.	5.1	25
67	Epitaxial lateral overgrowth of Si on (100)Si substrates by liquid-phase epitaxy. Journal of Crystal Growth, 1998, 186, 369-374.	1.5	23
68	The Epilift technique for Si solar cells. Applied Physics A: Materials Science and Processing, 1999, 69, 195-199.	2.3	23
69	Full day simulations of anti-reflection coatings for flat plate silicon photovoltaics. Solar Energy Materials and Solar Cells, 2004, 81, 13-24.	6.2	23
70	Effect of deposition conditions and thermal annealing on the charge trapping properties of SiNx films. Applied Physics Letters, 2010, 97, 202907.	3.3	22
71	Above 23% Efficiency by Binary Surface Passivation of Perovskite Solar Cells Using Guanidinium and Octylammonium Spacer Cations. Solar Rrl, 2022, 6, .	5.8	22
72	27.6% Perovskite/câ€Si Tandem Solar Cells Using Industrial Fabricated TOPCon Device. Advanced Energy Materials, 2022, 12, .	19.5	22

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73	SHORT COMMUNICATION: Surface passivation by rehydrogenation of silicon-nitride-coated silicon wafers. Progress in Photovoltaics: Research and Applications, 2005, 13, 195-200.	8.1	21
74	Accurate measurement of extremely low surface recombination velocities on charged, oxidized silicon surfaces using a simple metal-oxide-semiconductor structure. Applied Physics Letters, 2007, 90, 042104.	3.3	21
75	Modeling of static concentrator modules incorporating lambertian or v-groove rear reflectors. Solar Energy Materials and Solar Cells, 2006, 90, 1741-1749.	6.2	20
76	Determination of Injection Dependent Recombination Properties of Locally Processed Surface Regions. Energy Procedia, 2013, 38, 22-31.	1.8	20
77	Transmission Electron Microscopy Studies of Electron-Selective Titanium Oxide Contacts in Silicon Solar Cells. Microscopy and Microanalysis, 2017, 23, 900-904.	0.4	19
78	Imaging Spatial Variations of Optical Bandgaps in Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1802790.	19.5	18
79	17% Eficient thinâ€film silicon solar cell by liquidâ€phase epitaxy. Progress in Photovoltaics: Research and Applications, 1995, 3, 193-195.	8.1	17
80	PECVD Silicon Nitride Passivation on Boron Emitter: The Analysis of Electrostatic Charge on the Interface Properties. Advances in OptoElectronics, 2010, 2010, 1-8.	0.6	17
81	Damage-free ultraviolet nanosecond laser ablation for high efficiency back contact solar cell fabrication. Solar Energy Materials and Solar Cells, 2015, 136, 1-10.	6.2	17
82	Impact of Perovskite/Silicon Tandem Module Design on Hot-Spot Temperature. ACS Applied Energy Materials, 2018, 1, 3025-3029.	5.1	17
83	Insights into Twinning Formation in Cubic and Tetragonal Multi-cation Mixed-Halide Perovskite. , 2020, 2, 415-424.		17
84	Endotoxin elicits nitric oxide release in rat but prostacyclin synthesis in human and bovine vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2005, 327, 43-48.	2.1	16
85	Deutschland, der atlantische Sklavenhandel und die Plantagenwirtschaft der Neuen Welt. Journal of Modern European History, 2009, 7, 37-67.	0.2	16
86	RIEâ€induced carrier lifetime degradation. Progress in Photovoltaics: Research and Applications, 2010, 18, 214-220.	8.1	16
87	Secondary Electron Microscopy Dopant Contrast Image (SEMDCI) for Laser Doping. IEEE Journal of Photovoltaics, 2013, 3, 762-768.	2.5	16
88	Destructive reverse bias pinning in perovskite/silicon tandem solar modules caused by perovskite hysteresis under dynamic shading. Sustainable Energy and Fuels, 2020, 4, 4067-4075.	4.9	16
89	Filterless Spectral Splitting Perovskiteâ€“Silicon Tandem System With >23% Calculated Efficiency. IEEE Journal of Photovoltaics, 2016, 6, 1432-1439.	2.5	15
90	Characterization of Recombination Properties and Contact Resistivity of Laser-Processed Localized Contacts From Doped Silicon Nanoparticle Ink and Spin-On Dopants. IEEE Journal of Photovoltaics, 2017, 7, 471-478.	2.5	15

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91	Passivation and Depassivation of Siâ€“SiO[sub 2] Interfaces with Atomic Hydrogen. Journal of the Electrochemical Society, 2009, 156, H836.	2.9	14
92	Effective SiN$_{f x}$:H Capping Layers on 1-nm Al₂O₃ for p$^{f +}$ Surface Passivation. IEEE Journal of Photovoltaics, 2014, 4, 1405-1412.	2.5	14
93	Degradation of the surface passivation of plasma-assisted ALD Al2 O3 under damp-heat exposure. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 274-281.	1.8	14
94	Understanding the Chemical and Structural Properties of Multiple-Cation Mixed Halide Perovskite. Journal of Physical Chemistry C, 2019, 123, 26718-26726.	3.1	14
95	Thyroid Dysplasia in Wistar Hannover GALAS Rats. Journal of Toxicologic Pathology, 2009, 22, 247-254.	0.7	13
96	Effective silicon surface passivation by atomic layer deposited Al2O3/TiO2stacks. Physica Status Solidi - Rapid Research Letters, 2014, 8, 40-43.	2.4	13
97	High efficiency n-type silicon solar cells featuring passivated contact to laser doped regions. Applied Physics Letters, 2015, 106, .	3.3	13
98	The Impact of Mobile Ions on the Steady-State Performance of Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 219-229.	3.1	13
99	Social Responsibility Beyond the Corporate: Executive Mental Accounting Across Sectoral and Issue Domains. Organization Science, 2021, 32, 1473-1491.	4.5	13
100	Metal-assisted chemical etching for very high aspect ratio grooves inn-type silicon wafers. Journal of Micromechanics and Microengineering, 2014, 24, 125026.	2.6	12
101	Characterization of Laser-Doped Localized p-n Junctions for High Efficiency Silicon Solar Cells. IEEE Transactions on Electron Devices, 2014, 61, 1943-1949.	3.0	12
102	Characterization of MAE-Textured Nanoporous Silicon for Solar Cells Application: Optics and Surface Passivation. IEEE Journal of Photovoltaics, 2014, 4, 1235-1242.	2.5	12
103	High-Level Silicon Surface Passivation by Anodically Grown Silicon Dioxide and Silicon Nitride Stacks. IEEE Journal of Photovoltaics, 2015, 5, 1047-1052.	2.5	11
104	Passivation and carrier selectivity of TiO<inf>2</inf> contacts combined with different passivation layers and electrodes for silicon solar cells. , 2016, , .		11
105	Liquid phase epitaxy of silicon on multicrystalline silicon substrates. Journal of Crystal Growth, 1995, 154, 54-59.	1.5	10
106	Introduction of atomic H into Si3N4/SiO2/Si stacks. Rare Metals, 2006, 25, 150-152.	7.1	10
107	Sliver Cells - A Complete Photovoltaic Solution. , 2006, , .		10
108	Hydrogen Reintroduction by Forming Gas Annealing to LPCVD Silicon Nitride Coated Structures. Journal of the Electrochemical Society, 2006, 153, G750.	2.9	10

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109	Cutaneous Human Papillomavirus in Head and Neck Squamous Cell Carcinomas. Cancer Investigation, 2009, 27, 781-787.	1.3	10
110	A Stepâ€byâ€Step Optimization of the câ€Si Bottom Cell in Monolithic Perovskite/câ€Si Tandem Devices. Solar Rrl, 2018, 2, 1800193.	5.8	10
111	Characterization of trap states in perovskite films by simultaneous fitting of steady-state and transient photoluminescence measurements. Journal of Applied Physics, 2018, 124, .	2.5	10
112	30% Enhancement of Efficiency in Layered 2D Perovskites Absorbers by Employing Homoâ€Tandem Structures. Solar Rrl, 2019, 3, 1900083.	5.8	10
113	Minority Carrier Lifetime Properties of Reactive Ion Etched p-Type Float Zone Si. Electrochemical and Solid-State Letters, 2005, 8, G78.	2.2	9
114	Reactive ion etching of dielectrics and silicon for photovoltaic applications. Progress in Photovoltaics: Research and Applications, 2006, 14, 603-614.	8.1	9
115	Passivated contacts to laser doped p+ and n+ regions. Solar Energy Materials and Solar Cells, 2015, 140, 38-44.	6.2	9
116	Efficiency Potential of P-Type Al₂O₃/SiN$_{x}$ Passivated PERC Solar Cells With Locally Laser-Doped Rear Contacts. IEEE Journal of Photovoltaics, 2016, 6, 624-631.	2.5	9
117	Spatially and Spectrally Resolved Absorptivity: New Approach for Degradation Studies in Perovskite and Perovskite/Silicon Tandem Solar Cells. Advanced Energy Materials, 2020, 10, 1902901.	19.5	9
118	The influence of drift fields in thin silicon solar cells. Solar Energy Materials and Solar Cells, 1997, 45, 151-160.	6.2	8
119	High-efficiency multicrystalline silicon solar cells by liquid phase-epitaxy. Solar Energy Materials and Solar Cells, 1998, 52, 61-68.	6.2	8
120	Defect generation at SiO2âˆ•Si interfaces by low pressure chemical vapor deposition of silicon nitride. Applied Physics Letters, 2006, 89, 092120.	3.3	8
121	Unraveling the Role of Energy Band Alignment and Mobile Ions on Interfacial Recombination in Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	8
122	Boron doping of silicon layers grown by liquid phase epitaxy. Journal of Crystal Growth, 2002, 241, 45-50.	1.5	7
123	The effect of low pressure chemical vapor deposition of silicon nitride on the electronic interface properties of oxidized silicon wafers. Progress in Photovoltaics: Research and Applications, 2007, 15, 405-414.	8.1	7
124	The effect of boron diffusions on the defect density and recombination at the (111) silicon-silicon oxide interface. Applied Physics Letters, 2008, 92, 122109.	3.3	7
125	Dispensable role of protein 4.1B/DAL-1 in rodent adrenal medulla regarding generation of pheochromocytoma and plasmalemmal localization of TSLC1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 506-515.	4.1	7
126	Is juvenile localized scleroderma related to Lyme borreliosis?. Journal of the American Academy of Dermatology, 2009, 61, 901.	1.2	7

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127	The Impact of SiO$_{2}$/SiN $_{m x}$ Stack Thickness on Laser Doping of Silicon Solar Cell. IEEE Journal of Photovoltaics, 2014, 4, 594-600.	2.5	7
128	Contactless and Spatially Resolved Determination of Currentâ˜Voltage Curves in Perovskite Solar Cells via Photoluminescence. Solar Rrl, 2021, 5, 2100348.	5.8	7
129	Electrical properties of perovskite solar cells by illumination intensity and temperatureâ€dependent photoluminescence imaging. Progress in Photovoltaics: Research and Applications, 2022, 30, 1038-1044.	8.1	7
130	Modelling a monolithically integrated vertical junction cell in low and high injection. Progress in Photovoltaics: Research and Applications, 2003, 11, 113-124.	8.1	6
131	The Effect of LPCVD Silicon Nitride Deposition on the Si-SiO[sub 2] Interface of Oxidized Silicon Wafers. Journal of the Electrochemical Society, 2007, 154, H5.	2.9	6
132	Ion-Implanted Laser-Annealed p⁺ and n⁺ Regions: A Potential Solution for Industrially Feasible High-Efficiency N-Type Interdigitated Back-Contact Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 87-93.	2.5	6
133	Anion Exchangeâ€Induced Crystal Engineering via Hotâ€Pressing Sublimation Affording Highly Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2021, 5, 2000729.	5.8	6
134	Lesions in the Larynx of Wistar RccHanTM: WIST Rats. Journal of Toxicologic Pathology, 2009, 22, 229-246.	0.7	6
135	Depassivation Of Si-SiO2 Interface Following Rapid Thermal Annealing. , 2006, , .		5
136	Characterization of the Siâ˜SiO[sub 2] Interface Following Room Temperature Ammonia Plasma Exposure. Journal of the Electrochemical Society, 2007, 154, H417.	2.9	5
137	Modeling the charge decay mechanism in nitrogen-rich silicon nitride films. Applied Physics Letters, 2011, 98, 122909.	3.3	5
138	Chemicals, companies, and countries: The concept of diffusion in management research. Research in Organizational Behavior, 2013, 33, 135-150.	1.2	5
139	Imaging of the relative saturation current density and sheet resistance of laser doped regions via photoluminescence. Journal of Applied Physics, 2013, 114, 053107.	2.5	5
140	Quantitative Surface Recombination Imaging of Single Side Processed Silicon Wafers Obtained by Photoluminescence Modeling. Energy Procedia, 2014, 55, 63-70.	1.8	5
141	N-type silicon solar cells featuring an electron-selective TiO2 contact. , 2015, , .		5
142	A Robust Metal-Assisted Etching Process for Ag-Catalyzed Texturing of Silicon. IEEE Journal of Photovoltaics, 2015, 5, 766-773.	2.5	5
143	Characterizing the Influence of Crystal Orientation on Surface Recombination in Silicon Wafers. IEEE Journal of Photovoltaics, 2016, 6, 412-418.	2.5	5
144	Perovskite Solar Cells: Imaging Spatial Variations of Optical Bandgaps in Perovskite Solar Cells (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	19.5	5

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145	Efficient Passivation and Low Resistivity for p⁺-Si/TiO₂ Contact by Atomic Layer Deposition. ACS Applied Energy Materials, 2020, 3, 6291-6301.	5.1	5
146	Charge stability in LPCVD silicon nitride for surface passivation of silicon solar cells. , 2010, , .		4
147	Impact of laterally nonâ€uniform carrier lifetime on photoconductanceâ€based lifetime measurements with selfâ€consistent calibration. Progress in Photovoltaics: Research and Applications, 2013, 21, 1640-1644.	8.1	4
148	Electronic Properties of Al p+ Surfaces Formed by Laser Doping from Aluminium Oxide Precursors: Implications for PERC Cell Design and Performance. Energy Procedia, 2015, 77, 321-330.	1.8	4
149	Nanoporous Silicon Produced by Metal-Assisted Etching: A Detailed Investigation of Optical and Contact Properties for Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 538-544.	2.5	4
150	Aerosols of synthetic amorphous silica do not induce fibrosis in lungs after inhalation: Pathology working group review of histopathological specimens from a subchronic 13-week inhalation toxicity study in rats. Toxicology Research and Application, 2018, 2, 239784731880527.	0.6	4
151	Impact of Halide Anions in CsX (Xâ€‰=â€‰I, Br, Cl) on the Microstructure and Photovoltaic Performance of FAPbI₃â€Based Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	4
152	Distilling Authenticity: Materiality and NarrativesÂin Canadian Distilleriesâ€™ AuthenticityÂWork. Academy of Management Journal, 2023, 66, 1438-1468.	6.3	4
153	The Effect of a Post Oxidation In-Situ Nitrogen Anneal on si Surface Passivation. , 2006, , .		3
154	Investigation of interface properties in oxide passivated boron diffused silicon. Current Applied Physics, 2010, 10, S361-S364.	2.4	3
155	Social Movements, Business, and the Environment. , 2011, , .		3
156	Optical and Electronic Properties of MAE Textured Nanoporous Silicon. Energy Procedia, 2014, 55, 762-768.	1.8	3
157	Boron Implanted, Laser Annealed p+ Emitter for n-type Interdigitated Back-contact Solar Cells. Energy Procedia, 2014, 55, 320-325.	1.8	3
158	The Influence of Thermal Effects and Dielectric Films on the Electronic Quality of p⁺-Doped Silicon Processed by Nanosecond Laser. IEEE Journal of Photovoltaics, 2014, 4, 1220-1227.	2.5	3
159	Comparison between Secondary Electron Microscopy Dopant Contrast Image (SEMDCI) and Electron Beam Induced Current (EBIC) for Laser Doping of Crystalline Silicon. Energy Procedia, 2014, 55, 179-185.	1.8	3
160	Metal-Assisted Etching of High-Aspect-Ratio Structures for Solar Cell Applications: Controlling the Porosity of Au Thin Films. IEEE Journal of Photovoltaics, 2016, 6, 393-396.	2.5	3
161	Clinical efficacy and safety of enoxaparin in unselected Swiss patients undergoing primary or elective percutaneous coronary intervention: Analysis of the RIVIERA study. Acta Cardiologica, 2009, 64, 455-459.	0.9	3
162	Towards a Simplified 20% Efficient Sliver Cell. , 2006, , .		2

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163	Sliver solar cells. , 2007, 6800, 221.		2
164	Hydrogen Passivation of LPCVD Si[sub 3]N[sub 4]âˆ•SiO[sub 2]âˆ•Si Stacks by Ammonia Plasma Treatment. Journal of the Electrochemical Society, 2007, 154, H430.	2.9	2
165	Social Movement Theory and Organization Studies. , 2014, , .		2
166	High efficiency n-type silicon solar cells with local back surface fields formed by Laser Chemical Processing. , 2015, , .		2
167	TEM studies of TiO 2 -based passivated contacts in c-Si solar cells. Microscopy and Microanalysis, 2016, 22, 1600-1601.	0.4	2
168	Impact of Light on the Thermal Stability of Perovskite Solar Cells and Development of Stable Semi-transparent Cells. , 2018, , .		2
169	Impact of Al Doping on Surface Passivation of TiO_x on Si. IEEE Journal of Photovoltaics, 2020, 10, 940-944.	2.5	2
170	Optical Optimization of Perovskite-Silicon Reflective Tandem Solar Cells. , 2015, , .		2
171	Surface morphology of silicon layers grown on patterned silicon substrates by liquid-phase epitaxy. Journal of Crystal Growth, 1999, 204, 453-461.	1.5	1
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