Kenji Araki

List of Publications by Year
in descending order

163 papers	2,775 citations	257450 24 h-index	223800 46 g-index
167 all docs	167 docs citations	167 times ranked	1871 citing authors

#	Article	IF	Citations
1	Multi-junction IIIâ€“V solar cells: current status and future potential. Solar Energy, 2005, 79, 78-85.	6.1	340
2	Super high-efficiency multi-junction and concentrator solar cells. Solar Energy Materials and Solar Cells, 2006, 90, 3068-3077.	6.2	147
3	Novel materials for high-efficiency IIIâ€“V multi-junction solar cells. Solar Energy, 2008, 82, 173-180.	6.1	143
4	A review of recent progress in heterogeneous silicon tandem solar cells. Journal Physics D: Applied Physics, 2018, 51, 133002.	2.8	103
5	Life cycle assessment and evaluation of energy payback time on high-concentration photovoltaic power generation system. Applied Energy, 2010, 87, 2797-2807.	10.1	95
6	Static concentrator photovoltaics for automotive applications. Solar Energy, 2017, 146, 523-531.	6.1	95
7	Elastic, Piezoelectric, Acousto-Optic and Electro-Optic Properties of Li₂B₄O₇. Japanese Journal of Applied Physics, 1985, 24, 25.	1.5	77
8	30 kW Concentrator Photovoltaic System Using Dome-shaped Fresnel Lenses. Optics Express, 2010, 18, A53.	3.4	67
9	To Do List for Research and Development and International Standardization to Achieve the Goal of Running a Majority of Electric Vehicles on Solar Energy. Coatings, 2018, 8, 251.	2.6	65
10	Role of the impurities in production rates of radiation-induced defects in silicon materials and solar cells. Journal of Applied Physics, 2001, 90, 1170-1178.	2.5	58
11	Influences of spectrum change to 3-junction concentrator cells. Solar Energy Materials and Solar Cells, 2003, 75, 707-714.	6.2	56
12	Validation of energy prediction method for a concentrator photovoltaic module in Toyohashi Japan. Progress in Photovoltaics: Research and Applications, 2013, 21, 1598-1610.	8.1	56
13	Development of concentrator modules with dome-shaped Fresnel lenses and triple-junction concentrator cells. Progress in Photovoltaics: Research and Applications, 2005, 13, 513-527.	8.1	49
14	Temperature accelerated life test on commercial concentrator IIIâ€“V tripleâ€junction solar cells and reliability analysis as a function of the operating temperature. Progress in Photovoltaics: Research and Applications, 2015, 23, 559-569.	8.1	49
15	Analysis for efficiency potential of highâ€efficiency and nextâ€generation solar cells. Progress in Photovoltaics: Research and Applications, 2018, 26, 543-552.	8.1	49
16	Development of highâ€efficiency and lowâ€cost solar cells for PVâ€powered vehicles application. Progress in Photovoltaics: Research and Applications, 2021, 29, 684-693.	8.1	48
17	Efficiency potential and recent activities of high-efficiency solar cells. Journal of Materials Research, 2017, 32, 3445-3457.	2.6	47
18	Heat reduction of concentrator photovoltaic module using high radiation coating. Surface and Coatings Technology, 2013, 215, 472-475.	4.8	40

#	Article	IF	Citations
19	Measurement and Modeling of 3D Solar Irradiance for Vehicle-Integrated Photovoltaic. Applied Sciences (Switzerland), 2020, 10, 872.	2.5	40
20	Extended distributed model for analysis of non-ideal concentration operation. Solar Energy Materials and Solar Cells, 2003, 75, 467-473.	6.2	35
21	Characteristics of GaAs-based concentrator cells. Solar Energy Materials and Solar Cells, 2001, 66, 559-565.	6.2	28
22	A mobile multipyranometer array for the assessment of solar irradiance incident on a photovoltaic-powered vehicle. Solar Energy, 2019, 184, 84-90.	6.1	28
23	Role of PV-Powered Vehicles in Low-Carbon Society and Some Approaches of High-Efficiency Solar Cell Modules for Cars. Energy and Power Engineering, 2020, 12, 375-395.	0.8	28
24	Curve-Correction Factor for Characterization of the Output of a Three-Dimensional Curved Photovoltaic Module on a Car Roof. Coatings, 2018, 8, 432.	2.6	27
25	Novel equivalent circuit model and statistical analysis in parameters identification. Solar Energy Materials and Solar Cells, 2003, 75, 457-466.	6.2	26
26	Impact of climatic conditions on prospects for integrated photovoltaics in electric vehicles. Renewable and Sustainable Energy Reviews, 2022, 158, 112109.	16.4	26
27	Impact of Nonplanar Panels on Photovoltaic Power Generation in the Case of Vehicles. IEEE Journal of Photovoltaics, 2019, 9, 1721-1726.	2.5	24
28	Design of lowâ€concentration static IIIâ€V/Si partial CPV module with 27.3% annual efficiency for carâ€roof application. Progress in Photovoltaics: Research and Applications, 2019, 27, 501-510.	8.1	24
29	Durability of polymeric encapsulation materials for concentrating photovoltaic systems. Progress in Photovoltaics: Research and Applications, 2013, 21, 631-651.	8.1	22
30	Analysis of future generation solar cells and materials. Japanese Journal of Applied Physics, 2018, 57, 04FS03.	1.5	20
31	Sandblasting durability of acrylic and glass Fresnel lenses for concentrator photovoltaic modules. Solar Energy, 2012, 86, 3021-3025.	6.1	19
32	Possibility of static low concentrator PV optimized for vehicle installation. AIP Conference Proceedings, 2016, , .	0.4	19
33	Design and Evaluation of a IIIâ€“V/Si Partial CPV Module for Maximization of Power Generation per Unit Module Area. IEEE Journal of Photovoltaics, 2019, 9, 147-153.	2.5	19
34	Accurate Output Forecasting Method for Various Photovoltaic Modules Considering Incident Angle and Spectral Change Owing to Atmospheric Parameters and Cloud Conditions. Applied Sciences (Switzerland), 2020, 10, 703.	2.5	19
35	Recent results for concentrator photovoltaics in Japan. Japanese Journal of Applied Physics, 2016, 55, 04EA05.	1.5	18
36	Assessing material qualities and efficiency limits of III-V on silicon solar cells using external radiative efficiency. Progress in Photovoltaics: Research and Applications, 2016, 24, 1310-1318.	8.1	18

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37	Next environment-friendly cars: Application of solar power as automobile energy source. , 2016, , .		17
38	Curve correction of vehicleâ€integrated photovoltaics using statistics on commercial car bodies. Progress in Photovoltaics: Research and Applications, 2022, 30, 152-163.	8.1	17
39	Potential and Activities of III-V/Si Tandem Solar Cells. ECS Journal of Solid State Science and Technology, 2016, 5, Q68-Q73.	1.8	16
40	Importance of Developing Photovoltaics-Powered Vehicles. Energy and Power Engineering, 2021, 13, 147-162.	0.8	16
41	Evaluating the Output of a Car-Mounted Photovoltaic Module Under Driving Conditions. IEEE Journal of Photovoltaics, 2021, 11, 1299-1304.	2.5	16
42	Standardization of the CPV and car-roof PV technology in 2018 â€“ Where are we going to go?. AIP Conference Proceedings, 2018, , .	0.4	15
43	Temperature distribution in 820X CPV module during outdoor operation. AIP Conference Proceedings, 2012, , .	0.4	14
44	1-D and 2-D Monte Carlo simulations for analysis of CPV module characteristics including the acceptance angle impacted by assembly errors. Solar Energy, 2017, 147, 448-454.	6.1	14
45	Failure analysis on lattice matched GaInP/Ga(In)As/Ge commercial concentrator solar cells after temperature accelerated life tests. Progress in Photovoltaics: Research and Applications, 2017, 25, 97-112.	8.1	14
46	Analysis of nonradiative recombination in quantum dot solar cells and materials. Progress in Photovoltaics: Research and Applications, 2019, 27, 971-977.	8.1	14
47	Achievement of 27% efficient and 200Wp concentrator module and the technological roadmap toward realization of more than 31% efficient modules. Solar Energy Materials and Solar Cells, 2006, 90, 3312-3319.	6.2	13
48	Present and future of super high efficiency multi-junction solar cells. Proceedings of SPIE, 2008, , .	0.8	13
49	Characterization of CPV arrays based on differences on their thermal resistances. AIP Conference Proceedings, 2014, , .	0.4	13
50	Off-Axis Characteristics of CPV Modules Result From Lens-Cell Misalignmentâ€”Measurement and Monte Carlo Simulation. IEEE Journal of Photovoltaics, 2016, 6, 1353-1359.	2.5	13
51	Toward the Standardization of the Car-roof PV â€“ The challenge to the 3-D Sunshine Modeling and Rating of the 3-D Continuously Curved PV Panel. , 2018, , .		13
52	Module optical analyzer: Identification of defects on the production line. AIP Conference Proceedings, 2014, , .	0.4	12
53	Experimental analysis and simulation of a production line for <scp>CPV</scp> modules: impact of defects, misalignments, and binning of receivers. Energy Science and Engineering, 2017, 5, 257-269.	4.0	12
54	GaAs/Indium Tin Oxide/Si Bonding Junctions for III-V-on-Si Hybrid Multijunction Cells With Low Series Resistance. IEEE Journal of Photovoltaics, 2018, , 1-8.	2.5	12

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55	The potential for concentrator photovoltaics: A feasibility study in India. Progress in Photovoltaics: Research and Applications, 2019, 27, 316-327.	8.1	12
56	Stretchable micro-scale concentrator photovoltaic module with 15.4% efficiency for three-dimensional curved surfaces. Communications Materials, 2021, 2, .	6.9	12
57	Development of Highâ€Efficiency Solar Cell Modules for Photovoltaicâ€Powered Vehicles. Solar Rrl, 2022, 6, 2100429.	5.8	12
58	Durability of polymeric encapsulation materials in a PMMA/glass concentrator photovoltaic system. Progress in Photovoltaics: Research and Applications, 2016, 24, 1385-1409.	8.1	11
59	Impact of the atmospheric conditions to the bandgap engineering of multi-junction cells for optimization of the annual energy yield of CPV. AIP Conference Proceedings, 2017, , .	0.4	11
60	Analysis for efficiency potential of crystalline Si solar cells. Journal of Materials Research, 2018, 33, 2621-2626.	2.6	11
61	Overview of Si Tandem Solar Cells and Approaches to PV-Powered Vehicle Applications. MRS Advances, 2020, 5, 441-450.	0.9	11
62	Design and development of 35 % efficient and 1000X CPV module with sufficient optical alignment tolerance. , 2012, , .		10
63	Bandgaps of multi-junction solar cells potentially determined at the sun height of the culmination on the winter solstice. Solar Energy, 2017, 153, 445-453.	6.1	10
64	Super-Multi-Junction Solar Cellsâ€"Device Configuration with the Potential for More Than 50% Annual Energy Conversion Efficiency (Non-Concentration). Applied Sciences (Switzerland), 2019, 9, 4598.	2.5	10
65	Rough and Straightforward Estimation of the Mismatching Loss by Partial Shading of the PV Modules Installed on an Urban Area or Car-Roof. , 2019, , .		10
66	Optimization of Land Use for a Multitracker System Using a Given Geometrical Site Condition. IEEE Journal of Photovoltaics, 2016, 6, 960-966.	2.5	9
67	Analysis of fluctuation of atmospheric parameters and its impact on performance of CPV. AIP Conference Proceedings, 2018, , .	0.4	9
68	Analysis of temperature coefficients and their effect on efficiency of solar cell modules for photovoltaics-powered vehicles. Journal Physics D: Applied Physics, 2021, 54, 504002.	2.8	9
69	Facilitating vehicle-integrated photovoltaics by considering the radius of curvature of the roof surface for solar cell coverage. Cleaner Engineering and Technology, 2022, 7, 100446.	4.0	9
70	An Si concentrator cell by single photolithography process. Solar Energy Materials and Solar Cells, 2001, 65, 437-443.	6.2	8
71	Two interactive and practical methods for optimization of tracker allocation in a given land. AIP Conference Proceedings, 2012, , .	0.4	8
72	Impact of spectral irradiance distribution and temperature on the outdoor performance of concentrator photovoltaic system. , 2013, , .		8

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73	Possibility of solar station to EV. AIP Conference Proceedings, 2016, , .	0.4	8
74	Intermittent tracking (30 minutes interval) using a wide acceptance CPV module. AIP Conference Proceedings, 2016, , .	0.4	8
75	The possibility of the static LCPV to mechanical-stack III-V//Si module. AIP Conference Proceedings, 2018, , .	0.4	8
76	Design and Evaluation of Low-concentration Static III-V/Si Partial CPV Module for Car-rooftop Application. , 2018, , .		8
77	Why and how does car-roof PV create 50 GW/year of new installations? Also, why is a static CPV suitable to this application?. AIP Conference Proceedings, 2019, , .	0.4	8
78	Performance evaluation and spectrum-based analysis of a wall-mounted photovoltaic system for zero-energy building. Renewable Energy, 2021, 174, 147-156.	8.9	8
79	Generation and annihilation of boronâ€“oxygen related defects in boron-doped Czochralski-grown Si solar cells. Journal of Applied Physics, 2002, 91, 4853-4856.	2.5	7
80	ARE ELECTRO-LUMINESCENCE DEFECTS IN CONCENTRATOR III-V CELLS RESPONSIBLE TO THERMAL RUNAWAY AND SUDDEN DEATH?. AIP Conference Proceedings, 2011, , .	0.4	7
81	Evaluation of the reliability of commercial concentrator triple-junction solar cells by means of accelerated life tests (ALT). AIP Conference Proceedings, 2013, , .	0.4	7
82	Solving optimization problem of space factor of multiple CPV trackers using â€œbutterfly approachâ€• , 2014, , .		7
83	Optimization of static concentrator photovoltaics with aspherical lens for automobile. , 2016, , .		7
84	Design and Development of Dome-Shaped Fresnel Lens. IEEE Journal of Photovoltaics, 2016, 6, 1339-1344.	2.5	7
85	Performance Analysis and Fault Diagnosis Method for Concentrator Photovoltaic Modules. IEEE Journal of Photovoltaics, 2019, 9, 424-430.	2.5	7
86	Analysis for non-radiative recombination and resistance loss in chalcopyrite and kesterite solar cells. Japanese Journal of Applied Physics, 2021, 60, SBBF05.	1.5	7
87	Impact and recent approaches of high-efficiency solar cell modules for PV-powered vehicles. Japanese Journal of Applied Physics, 2022, 61, SC0802.	1.5	7
88	Photovoltaic performance of the dome-shaped Fresnel-KÃ¶hler concentrator. , 2012, , .		6
89	Reduction in Operating Temperature of 25 Series-Connected 820X Concentrator Photovoltaic Module. Japanese Journal of Applied Physics, 2013, 52, 04CR03.	1.5	6
90	Analysis of impact to optical environment of the land by flat-plate and array of tracking PV panels. Solar Energy, 2017, 144, 278-285.	6.1	6

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91	Towards creation of mobility society using solar energy. , 2017, , .		6
92	Optimization of the Partially Radiative-coupling Multi-junction Solar Cells Considering Fluctuation of Atmospheric Conditions. , 2018, , .		6
93	Curve Correction of the Energy Yield by Flexible Photovoltaics for VIPV and BIPV Applications Using a Simple Correction Factor. , 2019, , .		6
94	Effect of Anti-Soiling Layer Coated on Poly(methyl methacrylate) for Concentrator Photovoltaic Modules. Japanese Journal of Applied Physics, 2012, 51, 10ND11.	1.5	5
95	Optical and thermal simulation for wide acceptance angle CPV module. AIP Conference Proceedings, 2017, , .	0.4	5
96	Estimation of conversion efficiency for partially static concentrator with III-V on Si solar cell. AIP Conference Proceedings, 2017, , .	0.4	5
97	Achieving High Efficiency Static Low-Concentration Photovoltaic Module Using Hybrid Lens Arrays. , 2018, , .		5
98	Opportunities for breaking an energy generation limit of photovoltaic using multijunction and super-multijunction cells. , 2018, , .		5
99	The Outdoor Field Test and Energy Yield Model of the Four-Terminal on Si Tandem PV Module. Applied Sciences (Switzerland), 2020, 10, 2529.	2.5	5
100	Analysis for nonradiative recombination loss and radiation degradation of Si space solar cells. Progress in Photovoltaics: Research and Applications, 2021, 29, 98-108.	8.1	5
101	Effect of Anti-Soiling Layer Coated on Poly(methyl methacrylate) for Concentrator Photovoltaic Modules. Japanese Journal of Applied Physics, 2012, 51, 10ND11.	1.5	5
102	Sunshine environment and spectrum analysis for concentrator PV systems in Japan. Solar Energy Materials and Solar Cells, 2003, 75, 715-721.	6.2	4
103	Analysis of shadow by HCPV panels for agriculture applications. , 2010, , .		4
104	Lightning test for concentrator photovoltaic system. , 2011, , .		4
105	Output Comparison of CPV and Flat-Plate Systems in Japanese Meteorological Condition. , 2011, , .		4
106	Influence of temperature distribution on 25 series-connected 820X CPV module output during outdoor operation. , 2012, , .		4
107	â€œDurability of Polymeric Encapsulation Materials in a PMMA/glass Concentrating Photovoltaic Systemâ€• , 2013, , .		4
108	Fabrication and performance analysis of a mechanical stack InGaP/GaAs//Si solar cell. , 2016, , .		4

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109	Design of the partial concentrator lens for III-V on Si static concentration. AIP Conference Proceedings, 2017, , .	0.4	4
110	Electrical conduction of Si/indium tin oxide/Si junctions fabricated by surface activated bonding. Japanese Journal of Applied Physics, 2018, 57, 02BE03.	1.5	4
111	Electrical properties of GaAs//indium tin oxide/Si junctions for IIIâ€“V-on-Si hybrid multijunction cells. Japanese Journal of Applied Physics, 2018, 57, 08RD05.	1.5	4
112	Standardization of the CPV technology in 2019 â€“ The path to new CPV technologies. AIP Conference Proceedings, 2019, , .	0.4	4
113	Improvement of the spectral sensitivity of CPV by enhancing luminescence coupling and fine-tuning to the bottom-bandgap matched to local atmospheric conditions. AIP Conference Proceedings, 2019, , .	0.4	4
114	Modeling and Standardization Researches and Discussions of the Car-roof PV through International Web Meetings. , 2019, , .		4
115	Japanese programs on novel concepts in PV. Semiconductors, 2004, 38, 956-961.	0.5	3
116	Present and Future of High Efficiency Multi-Junction Solar Cells. , 2011, , .		3
117	Impact of volcanic ash on CPV system in Miyazaki Japan. AIP Conference Proceedings, 2012, , .	0.4	3
118	Fatigue failure of concentrator III-V solar cells - Does forward bias current injection really kill III-V CPV cells?. AIP Conference Proceedings, 2012, , .	0.4	3
119	111 sun concentrator photovoltaic module with wide acceptance angle that can efficiently operate using 30-min intermittent tracking system. Japanese Journal of Applied Physics, 2017, 56, 092301.	1.5	3
120	Outdoor validation of the 30 minutes intermittent tracking of 100 x CPV. AIP Conference Proceedings, 2017, , .	0.4	3
121	Quantifying the potential of III-V/Si partial concentrator by a statistical approach. AIP Conference Proceedings, 2017, , .	0.4	3
122	Design and Evaluation of Partial Concentration III-V/Si Module with Enhanced Diffuse Sunlight Transmission. , 2017, , .		3
123	Verification of uncertainty in CPVâ€™s outdoor performance. , 2018, , .		3
124	Achieving wide-acceptance angle and high on-axis performance static low-concentration module using hybrid lens arrays. AIP Conference Proceedings, 2018, , .	0.4	3
125	A Mesh Downsampling Algorithm for Equivalent Circuit Network Simulation of Multi-Junction Solar Cells. IEEE Access, 2019, 7, 97208-97215.	4.2	3
126	Analysis for Radiation Degradation of Advanced Si Space Solar Cells. , 2019, , .		3

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127	What Is the Most Appropriate and Practical Index to Represent Spectrum Sensitivity of CPV?. AIP Conference Proceedings, 2010, , .	0.4	2
128	Anti-soiling layer coarted on PMMA Fresnel lens for concentrator photovoltaic modules. , 2011, , .		2
129	Thermal transfer simulation for concentrator photovoltaic receiver under concentration condition. , 2013, , .		2
130	Which is optimum tracker allocation, checkerboard or rectangular grid?. AIP Conference Proceedings, 2016, , .	0.4	2
131	Monte Carlo simulation to analyze the performance of CPV modules. AIP Conference Proceedings, 2017, , .	0.4	2
132	Alignment Tolerance Control of the Micro CPV Array Using Monte Carlo Methods. , 2019, , .		2
133	How did the knowledge of CPV contribute to the standardization activity of VIPV?. AIP Conference Proceedings, 2020, , .	0.4	2
134	Nearly 30%-efficient low-concentration static photovoltaic modules with IMM triple-junction solar cells. Applied Physics Express, 2020, 13, 077001.	2.4	2
135	Potential of Si Tandem Solar Cell Modules for PV-Powered Vehicles. , 2021, , .		2
136	Low-Concentration Linear-Array Photovoltaic System with Two-axis Sun Tracking. IEEJ Transactions on Power and Energy, 2009, 129, 1154-1155.	0.2	2
137	Practical and simplified measurements for representative photovoltaic array temperatures robust to climate variations. Solar Energy, 2022, 231, 243-251.	6.1	2
138	Thermal transfer simulating for concentrator photovoltaic module under concentration condition. , 2013, , .		1
139	Annex: CPV Modules and Systems from Daido Steel. , 2016, , 413-418.		1
140	Assessing material qualities and efficiency limits of III-V on silicon solar cells using external radiative efficiency. , 2016, , .		1
141	Analysis of impact to optical environment of the land by CPV. AIP Conference Proceedings, 2016, , .	0.4	1
142	Electrical conduction of Si/ITO/Si junctions fabricated by surface activated bonding. , 2017, , .		1
143	Is it CPV? Yes, but it is a partial CPV. AIP Conference Proceedings, 2017, , .	0.4	1
144	Design Arithmetic of the Lateral III-V / Si Hybrid Module. , 2017, , .		1

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145	Evaluation and optimization of coating for wide acceptance angle concentrator photovoltaic module. Japanese Journal of Applied Physics, 2018, 57, 08RD02.	1.5	1
146	Present status and main guidelines of IEC 62787: â€œConcentrator photovoltaic (CPV) solar cells and cell-on-carrier (CoC) assemblies â€“ qualificationâ€• AIP Conference Proceedings, 2019, , .	0.4	1
147	Demonstration of the performance static low-concentration module using hybrid lens arrays. AIP Conference Proceedings, 2019, , .	0.4	1
148	Design of the Micro-KÃ¶hler Concentrator Optics for CPV Application. , 2019, , .		1
149	Super-multi-junction solar cells - Device configuration with the potential for more than 50% annual energy conversion efficiency (CPV). AIP Conference Proceedings, 2020, , .	0.4	1
150	Concentrated Solar Cells. , 2019, , 1-34.		1
151	Performance of the 30 KW CPV System Installed in Coastal Area in Japan. , 2010, , .		0
152	A New Simple Model of Direct Spectral Irradiance with Easily Observable Atmospheric Parameters. IEEJ Transactions on Electrical and Electronic Engineering, 2010, 5, 548-552.	1.4	0
153	Two-Dimensional Mapping of Localized Characteristics of Concentrator Photovoltaic Module. Materials Science Forum, 2012, 725, 187-190.	0.3	0
154	Proposal of an energy rating method fair to countries of lower irradiance resources. , 2012, , .		0
155	Preface for the 9th International Conference on Concentrating Photovoltaic Systems (CPV-9). , 2013, , .		0
156	Study on tolerance control for optical alignment of CPV modules using a Monte Carlo simulation. AIP Conference Proceedings, 2016, , .	0.4	0
157	Generalized Numerical Design of Axially-asymmetrical and Grid-arranged Static CPV Array for Maximizing Annual Energy Generation. , 2017, , .		0
158	Proposals for Accelerating Photovoltaics Installations in Japan and Further Developments of Science and Technologies of Photovoltaics. , 2019, , .		0
159	Demonstration of High Efficiency Static Low-Concentration Photovoltaic Module Using Hybrid Lens Arrays. , 2019, , .		0
160	Demonstration of High Efficiency Static Low-Concentration Photovoltaic Module Using Hybrid Lens Arrays. , 2019, , .		0
161	Super-Multi-Junction Solar Cells, a New Configuration of the Robust and High-Efficiency Solar Cell and Its Application â€“ Operation Model Based on the Annual Monitoring of the Multi-Junction PV Modules. , 2019, , .		0
162	Influence of Dirt on the Lens and Yellow Sand to Electricity Generation Characteristics of a Concentrator PV System. IEEJ Transactions on Power and Energy, 2014, 134, 436-442.	0.2	0

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163	Importance of Developing High-Efficiency Solar Cells for PV-Powered Vehicles. , 2020, , .		0