Yoshihiro Hishikawa

List of Publications by Year
in descending order

38	5,575	471061 17	344852 36
papers	citations	h-index	g-index

38	38	38	8713
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectral gain and loss of different-type photovoltaic modules through average photon energy of various locations in Japan. Solar Energy, 2021, 214, 1-10.	2.9	8
2	Accurate estimation of outdoor performance of photovoltaic module through spectral mismatch correction factor under wide range of solar spectrum. Current Applied Physics, 2021, 28, 59-71.	1.1	3
3	Precise performance diagnosis of photovoltaic string by operation voltage and current: Experimental verification. Solar Energy, 2021, 230, 704-713.	2.9	1
4	Impact of average photon energy on spectral gain and loss of various-type PV technologies at different locations. Renewable Energy, 2020, 145, 1317-1324.	4.3	19
5	Description of short circuit current of outdoor photovoltaic modules by multiple regression analysis under various solar irradiance levels. Renewable Energy, 2020, 147, 895-902.	4.3	9
6	Improved precision of the outdoor performance measurements of photovoltaic modules by using the photovoltaic irradiance sensor. Solar Energy, 2020, 211, 82-89.	2.9	6
7	Detection of shading effect by using the current and voltage at maximum power point of crystalline silicon PV modules. Solar Energy, 2020, 211, 1365-1372.	2.9	14
8	Temperature and irradiance dependences of the current and voltage at maximum power of crystalline silicon PV devices. Solar Energy, 2020, 204, 459-465.	2.9	19
9	Utilization of spectral mismatch correction factor for estimation of precise outdoor performance under different average photon energies. Renewable Energy, 2020, 157, 173-181.	4.3	4
10	Corrections to â€œTranslation of Solar Cell Performance for Irradiance and Temperature From a Single I-V Curve Without Advance Information of Translation Parametersâ€•[Sep 19 1195-1201]. IEEE Journal of Photovoltaics, 2020, 10, 912-912.	1.5	2
11	Translation of Solar Cell Performance for Irradiance and Temperature From a SingleI-VCurve Without Advance Information of Translation Parameters. IEEE Journal of Photovoltaics, 2019, 9, 1195-1201.	1.5	25
12	Spectral mismatch correction factor for precise outdoor performance evaluation and description of performance degradation of different-type photovoltaic modules. Solar Energy, 2019, 181, 169-177.	2.9	9
13	Description of performance degradation of photovoltaic modules using spectral mismatch correction factor under different irradiance levels. Renewable Energy, 2019, 141, 444-450.	4.3	13
14	Solar cell efficiency tables (Version 53). Progress in Photovoltaics: Research and Applications, 2019, 27, 3-12.	4.4	655
15	Voltage-Dependent Temperature Coefficient of the Iâ€“V Curves of Crystalline Silicon Photovoltaic Modules. IEEE Journal of Photovoltaics, 2018, 8, 48-53.	1.5	51
16	Solar cell efficiency tables (version 51). Progress in Photovoltaics: Research and Applications, 2018, 26, 3-12.	4.4	729
17	Filtering method of detecting solar irradiance conditions for photovoltaic module performance characterization under unstable and nonuniform irradiance. Japanese Journal of Applied Physics, 2018, 57, 08RG10.	0.8	3
18	Physical process and statistical properties of solar irradiance enhancement observed under clouds. Japanese Journal of Applied Physics, 2018, 57, 08RG11.	0.8	7

#	Article	IF	Citations
19	Short-period fluctuation and spatial distribution of solar irradiance under clouds. Japanese Journal of Applied Physics, 2018, 57, 08RG12.	0.8	3
20	Temperature dependence of the short circuit current and spectral responsivity of various kinds of crystalline silicon photovoltaic devices. Japanese Journal of Applied Physics, 2018, 57, 08RG17.	0.8	19
21	Evaluation of power generation performance using only the nameplate value using linear interpolation method. , 2018, , .		0
22	Solar cell efficiency tables (version 52). Progress in Photovoltaics: Research and Applications, 2018, 26, 427-436.	4.4	592
23	Solar cell efficiency tables (version 49). Progress in Photovoltaics: Research and Applications, 2017, 25, 3-13.	4.4	582
24	Solar cell efficiency tables (version 50). Progress in Photovoltaics: Research and Applications, 2017, 25, 668-676.	4.4	792
25	Impact of average photon-energy coefficient of solar spectrum on the short circuit current of photovoltaic modules. Current Applied Physics, 2017, 17, 1341-1346.	1.1	5
26	Spectral mismatch correction factor indicated by average photon energy for precise outdoor performance measurements of different-type photovoltaic modules. Renewable Energy, 2017, 114, 567-573.	4.3	19
27	Outdoor Direct STC Performance Measurement of PV Modules Based on a Sun-Shading Technique. IEEE Journal of Photovoltaics, 2017, 7, 1725-1730.	1.5	9
28	Effects of synchronous irradiance monitoring and correction of currentâ€“voltage curves on the outdoor performance measurements of photovoltaic modules. Japanese Journal of Applied Physics, 2017, 56, 08MD07.	0.8	5
29	Precise performance characterization of perovskite solar cells. Current Applied Physics, 2016, 16, 898-904.	1.1	23
30	Precise Outdoor PV Module Performance Characterization Under Unstable Irradiance. IEEE Journal of Photovoltaics, 2016, 6, 1221-1227.	1.5	41
31	New technology for precise outdoor PV module performance measurements. , 2015, , .		7
32	Study of highly precise outdoor characterization technique for photovoltaic modules in terms of reproducibility. Japanese Journal of Applied Physics, 2015, 54, 08KG06.	0.8	18
33	Solar cell efficiency tables (version 46). Progress in Photovoltaics: Research and Applications, 2015, 23, 805-812.	4.4	471
34	Round-robin measurement intercomparison of c-Si PV modules among Asian testing laboratories. Progress in Photovoltaics: Research and Applications, 2013, 21, 1181-1188.	4.4	22
35	Solar cell efficiency tables (version 39). Progress in Photovoltaics: Research and Applications, 2012, 20, 12-20.	4.4	1,047
36	Comparison of Curve Correction Procedures for Currentâ€“Voltage Characteristics of Photovoltaic Devices. Japanese Journal of Applied Physics, 2012, 51, 10NF02.	0.8	3

#	Article	IF	Citations
37	Solar cell efficiency tables (version 33). Progress in Photovoltaics: Research and Applications, 2009, 17, 85-94.	4.4	301
38	Modeling of the Iâ€“V curves of the PV modules using linear interpolation/extrapolation. Solar Energy Materials and Solar Cells, 2009, 93, 1070-1073.	3.0	39