

Takuya Doi

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

540
citations

759233

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642732

23
g-index

24
all docs

24
docs citations

24
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending cyclic load test for crystalline silicon photovoltaic modules. Japanese Journal of Applied Physics, 2018, 57, 02CE05.	1.5	9
2	Voltage-Dependent Temperature Coefficient of the Iâ€“V Curves of Crystalline Silicon Photovoltaic Modules. IEEE Journal of Photovoltaics, 2018, 8, 48-53.	2.5	51
3	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.	1.5	3
4	Physical process and statistical properties of solar irradiance enhancement observed under clouds. Japanese Journal of Applied Physics, 2018, 57, 08RG11.	1.5	7
5	Short-period fluctuation and spatial distribution of solar irradiance under clouds. Japanese Journal of Applied Physics, 2018, 57, 08RG12.	1.5	3
6	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.	1.5	5
7	Multi angle laser light scattering evaluation of field exposed thermoplastic photovoltaic encapsulant materials. Energy Science and Engineering, 2016, 4, 40-51.	4.0	13
8	Effects of UV on power degradation of photovoltaic modules in combined acceleration tests. Japanese Journal of Applied Physics, 2016, 55, 052301.	1.5	23
9	Acceleration of degradation by highly accelerated stress test and air-included highly accelerated stress test in crystalline silicon photovoltaic modules. Japanese Journal of Applied Physics, 2016, 55, 022302.	1.5	14
10	Precise Outdoor PV Module Performance Characterization Under Unstable Irradiance. IEEE Journal of Photovoltaics, 2016, 6, 1221-1227.	2.5	41
11	Field testing of thermoplastic encapsulants in highâ€“temperature installations. Energy Science and Engineering, 2015, 3, 565-580.	4.0	29
12	Acceleration of potential-induced degradation by salt-mist preconditioning in crystalline silicon photovoltaic modules. Japanese Journal of Applied Physics, 2015, 54, 08KG08.	1.5	22
13	Plasma-enhanced chemical-vapor deposition of silicon nitride film for high resistance to potential-induced degradation. Japanese Journal of Applied Physics, 2015, 54, 08KD12.	1.5	16
14	Investigation on antireflection coating for high resistance to potential-induced degradation. Japanese Journal of Applied Physics, 2014, 53, 03CE01.	1.5	29
15	Microscopic Degradation Mechanisms in Silicon Photovoltaic Module under Long-Term Environmental Exposure. Japanese Journal of Applied Physics, 2012, 51, 10NF07.	1.5	17
16	Early Failure Detection of Interconnection with Rapid Thermal Cycling in Photovoltaic Modules. Japanese Journal of Applied Physics, 2012, 51, 10NF13.	1.5	6
17	Failure Assessments for Outside-Exposed Photovoltaic Modules. Japanese Journal of Applied Physics, 2012, 51, 10NF04.	1.5	3
18	Reverse bias test of c-Si single-cell PV modules. Proceedings of SPIE, 2011, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Earliest detection of magma movements by measuring transient streaming potential. Physics and Chemistry of the Earth, 2006, 31, 223-233.	2.9	6
20	Experimental study on PV module recycling with organic solvent method. Solar Energy Materials and Solar Cells, 2001, 67, 397-403.	6.2	168
21	A study on a thermally regenerative fuel cell utilizing low-temperature thermal energy. Energy Conversion and Management, 2001, 42, 1807-1816.	9.2	22
22	Development of the HTS-SQUID system for measuring ULF band magnetic field changes related with earthquakes. Superconductor Science and Technology, 2001, 14, 1135-1139.	3.5	4
23	New proposal for photovoltaic-thermal solar energy utilization method. Solar Energy, 1994, 52, 241-245.	6.1	47
24	Development of a recyclable PV-module - expansion to multi-cells modules. , 0, , .		1