

Takuya Doi

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

540
citations

759233

12
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on PV module recycling with organic solvent method. <i>Solar Energy Materials and Solar Cells</i> , 2001, 67, 397-403.	6.2	168
2	Voltage-Dependent Temperature Coefficient of the I-V Curves of Crystalline Silicon Photovoltaic Modules. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 48-53.	2.5	51
3	New proposal for photovoltaic-thermal solar energy utilization method. <i>Solar Energy</i> , 1994, 52, 241-245.	6.1	47
4	Precise Outdoor PV Module Performance Characterization Under Unstable Irradiance. <i>IEEE Journal of Photovoltaics</i> , 2016, 6, 1221-1227.	2.5	41
5	Investigation on antireflection coating for high resistance to potential-induced degradation. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 03CE01.	1.5	29
6	Field testing of thermoplastic encapsulants in high-temperature installations. <i>Energy Science and Engineering</i> , 2015, 3, 565-580.	4.0	29
7	Effects of UV on power degradation of photovoltaic modules in combined acceleration tests. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 052301.	1.5	23
8	A study on a thermally regenerative fuel cell utilizing low-temperature thermal energy. <i>Energy Conversion and Management</i> , 2001, 42, 1807-1816.	9.2	22
9	Acceleration of potential-induced degradation by salt-mist preconditioning in crystalline silicon photovoltaic modules. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KG08.	1.5	22
10	Microscopic Degradation Mechanisms in Silicon Photovoltaic Module under Long-Term Environmental Exposure. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 10NF07.	1.5	17
11	Plasma-enhanced chemical-vapor deposition of silicon nitride film for high resistance to potential-induced degradation. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KD12.	1.5	16
12	Acceleration of degradation by highly accelerated stress test and air-included highly accelerated stress test in crystalline silicon photovoltaic modules. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 022302.	1.5	14
13	Multi angle laser light scattering evaluation of field exposed thermoplastic photovoltaic encapsulant materials. <i>Energy Science and Engineering</i> , 2016, 4, 40-51.	4.0	13
14	Bending cyclic load test for crystalline silicon photovoltaic modules. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 02CE05.	1.5	9
15	Physical process and statistical properties of solar irradiance enhancement observed under clouds. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RG11.	1.5	7
16	Earliest detection of magma movements by measuring transient streaming potential. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 223-233.	2.9	6
17	Early Failure Detection of Interconnection with Rapid Thermal Cycling in Photovoltaic Modules. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 10NF13.	1.5	6
18	Effects of synchronous irradiance monitoring and correction of current-voltage curves on the outdoor performance measurements of photovoltaic modules. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 08MD07.	1.5	5

#	ARTICLE	IF	CITATIONS
19	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
20	Failure Assessments for Outside-Exposed Photovoltaic Modules. Japanese Journal of Applied Physics, 2012, 51, 10NF04.	1.5	3
21	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
22	Short-period fluctuation and spatial distribution of solar irradiance under clouds. Japanese Journal of Applied Physics, 2018, 57, 08RG12.	1.5	3
23	Development of a recyclable PV-module - expansion to multi-cells modules. , 0, , .		1
24	Reverse bias test of c-Si single-cell PV modules. Proceedings of SPIE, 2011, , .	0.8	1