

# Wei Luo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5781871/publications.pdf>

Version: 2024-02-01

18  
papers

938  
citations

623734

14  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential-induced degradation in photovoltaic modules: a critical review. <i>Energy and Environmental Science</i> , 2017, 10, 43-68.	30.8	329
2	A review of crystalline silicon bifacial photovoltaic performance characterisation and simulation. <i>Energy and Environmental Science</i> , 2019, 12, 116-148.	30.8	155
3	A comparative life-cycle assessment of photovoltaic electricity generation in Singapore by multicrystalline silicon technologies. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 157-162.	6.2	88
4	Elucidating potential-induced degradation in bifacial PERC silicon photovoltaic modules. <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 859-867.	8.1	55
5	Investigation of the Impact of Illumination on the Polarization-Type Potential-Induced Degradation of Crystalline Silicon Photovoltaic Modules. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1168-1173.	2.5	44
6	Quantitative Electroluminescence Imaging Analysis for Performance Estimation of PID-Influenced PV Modules. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1281-1288.	2.5	42
7	Analysis of the Long-Term Performance Degradation of Crystalline Silicon Photovoltaic Modules in Tropical Climates. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 266-271.	2.5	34
8	Investigation of Potential-Induced Degradation in n-PERT Bifacial Silicon Photovoltaic Modules with a Glass/Glass Structure. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 16-22.	2.5	31
9	Redox Targeting-Based Thermally Regenerative Electrochemical Cycle Flow Cell for Enhanced Low-Grade Heat Harnessing. <i>Advanced Materials</i> , 2021, 33, e2006234.	21.0	30
10	International collaboration framework for the calculation of performance loss rates: Data quality, benchmarks, and trends (towards a uniform methodology). <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 573-602.	8.1	25
11	In-Situ Characterization of Potential-Induced Degradation in Crystalline Silicon Photovoltaic Modules Through Dark I <sub>sc</sub> Measurements. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 104-109.	2.5	22
12	Reducing Interanalyst Variability in Photovoltaic Degradation Rate Assessments. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 206-212.	2.5	22
13	Photovoltaic module failures after 10 years of operation in the tropics. <i>Renewable Energy</i> , 2021, 177, 327-335.	8.9	16
14	Performance loss rates of floating photovoltaic installations in the tropics. <i>Solar Energy</i> , 2021, 219, 58-64.	6.1	15
15	Investigation of Potential-Induced Degradation in Bifacial n-PERL Modules. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 935-939.	2.5	14
16	Investigation of polysilicon passivated contact's resilience to potential-induced degradation. <i>Solar Energy Materials and Solar Cells</i> , 2019, 195, 168-173.	6.2	10
17	Prediction of Potential-Induced Degradation Rate of Thin-Film Modules in the Field Based on Coulombs Transferred. , 2018, , .		1
18	Flow Cells: Redox Targeting-Based Thermally Regenerative Electrochemical Cycle Flow Cell for Enhanced Low-Grade Heat Harnessing ( <i>Adv. Mater.</i> 5/2021). <i>Advanced Materials</i> , 2021, 33, 2170031.	21.0	1