

# Lawrence L Kazmerski

## List of Publications by Year in descending order

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37  
papers

3,024  
citations

516561

16  
h-index

501076

28  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roof-mounted photovoltaic generator temperature modeling based on common Brazil roofing materials. <i>Renewable Energy and Environmental Sustainability</i> , 2022, 7, 5.	0.7	3
2	Worrying about Climate Change. <i>Atmospheric and Climate Sciences</i> , 2022, 12, 441-461.	0.1	2
3	Estimate of Soiling Rates Based on Soiling Monitoring Station and PV System Data: Case Study for Equatorial-Climate Brazil. <i>IEEE Journal of Photovoltaics</i> , 2021, 11, 461-468.	1.5	12
4	Study of Snail Trail Effects on Performance of Crystalline Silicon Photovoltaic Modules. , 2021, , .		2
5	Scaling Sustainable Integrated PV Manufacturing Globally. , 2021, , .		1
6	Impact of soiling on Si and CdTe PV modules: Case study in different Brazil climate zones. <i>Energy Conversion and Management: X</i> , 2021, 10, 100084.	0.9	5
7	Solar Photovoltaics: Living a Technology From Research Curiosity to Reality. , 2021, , .		0
8	PV Module Technology Comparisons: Comprehensive Study Differentiating Soiling Spectral Effects, Operating Temperature, and Climate Conditions. , 2020, , .		2
9	Cleaning efficacy of anti-soiling coatings. , 2020, , .		2
10	Impact of Soiling Deposition on CdTe and Si PV Modules in Different Climate Zones in Brazil. , 2020, , .		0
11	Materials design and discovery: Potential for application to soiling mitigation in photovoltaic systems. <i>Solar Energy</i> , 2019, 183, 791-804.	2.9	15
12	An overview of the use of solar chimneys for desalination. <i>Solar Energy</i> , 2019, 183, 83-95.	2.9	47
13	Formation and Composition-Dependent Properties of Alloys of Cubic Halide Perovskites. <i>Chemistry of Materials</i> , 2019, 31, 2497-2506.	3.2	48
14	Historical Analysis of Champion Photovoltaic Module Efficiencies. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 363-372.	1.5	37
15	Solar energy dust and soiling R&D progress: Literature review update for 2016. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2504-2536.	8.2	133
16	Soiling particle interactions on PV modules: Surface and inter-particle adhesion and chemistry effects. , 2016, , .		8
17	Dust and soiling issues and impacts relating to solar energy systems: Literature review update for 2012-2015. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 33-61.	8.2	207
18	Fundamental Studies of Adhesion of Dust to PV Module Surfaces: Chemical and Physical Relationships at the Microscale. <i>IEEE Journal of Photovoltaics</i> , 2016, 6, 719-729.	1.5	69

#	ARTICLE	IF	CITATIONS
19	A comprehensive review of the impact of dust on the use of solar energy: History, investigations, results, literature, and mitigation approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 698-733.	8.2	702
20	Energy consumption and water production cost of conventional and renewable-energy-powered desalination processes. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 343-356.	8.2	842
21	Technical and economic assessment of photovoltaic-driven desalination systems. <i>Renewable Energy</i> , 2010, 35, 323-328.	4.3	109
22	Solar and wind opportunities for water desalination in the Arab regions. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2397-2407.	8.2	122
23	Solar photovoltaics technology: The revolution begins&#x2026;. , 2009, , .		0
24	Solar photovoltaics R&D at the tipping point: A 2005 technology overview. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 150, 105-135.	0.8	247
25	Photovoltaics characterization: A survey of diagnostic measurements. <i>Journal of Materials Research</i> , 1998, 13, 2684-2708.	1.2	15
26	Photovoltaics characterization: Beyond the horizon. , 1997, , .		0
27	Photovoltaics: A review of cell and module technologies. <i>Renewable and Sustainable Energy Reviews</i> , 1997, 1, 71-170.	8.2	156
28	Arrays to atoms: The range, evolution, and frontiers of characterization. <i>Renewable Energy</i> , 1994, 5, 107-117.	4.3	1
29	Micro- to nano-characterization of semiconductor grain boundaries. <i>Surface Science Reports</i> , 1993, 19, 169-189.	3.8	4
30	Atomic Imaging, Atomic Processing and Nanocharacterization of $\text{CuInSe}_2$ Using Proximal Probe Techniques. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 25.	0.8	9
31	Atomic-level imaging, processing and characterization of defects and surfaces using proximal probe techniques. <i>Vacuum</i> , 1992, 43, 1011-1017.	1.6	12
32	Analysis and characterization of thin films: A tutorial. <i>Solar Cells</i> , 1988, 24, 387-418.	0.6	16
33	Preparation and characterization of vacuum deposited $\text{CuInSe}_2$ thin films. <i>Solar Cells</i> , 1986, 16, 369-380.	0.6	30
34	Electroplated $\text{CuInS}_2$ and $\text{CuInSe}_2$ layers: Preparation and physical and photovoltaic characterization. <i>Thin Solid Films</i> , 1985, 128, 93-106.	0.8	91
35	Composition and structure of $\text{CuInSe}_2$ thin films prepared by vacuum evaporation of the constituent elements. <i>Solar Cells</i> , 1984, 13, 59-65.	0.6	12
36	Electrodeposited layers of $\text{CuInS}_2$ , $\text{CuIn}_5\text{S}_8$ and $\text{CuInSe}_2$ . <i>Progress in Crystal Growth and Characterization</i> , 1984, 10, 345-351.	0.8	16

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37	The effects of grain boundary and interface recombination on the performance of thin-film solar cells. <i>Solid-State Electronics</i> , 1978, 21, 1545-1550.	0.8	47