

Lawrence L Kazmerski

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,024
citations

516710

16
h-index

501196

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. | 1.4 | 3 |
| 2 | Worrying about Climate Change. <i>Atmospheric and Climate Sciences</i> , 2022, 12, 441-461. | 0.3 | 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. | 2.5 | 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. | 1.6 | 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. | 6.1 | 15 |
| 12 | An overview of the use of solar chimneys for desalination. <i>Solar Energy</i> , 2019, 183, 83-95. | 6.1 | 47 |
| 13 | Formation and Composition-Dependent Properties of Alloys of Cubic Halide Perovskites. <i>Chemistry of Materials</i> , 2019, 31, 2497-2506. | 6.7 | 48 |
| 14 | Historical Analysis of Champion Photovoltaic Module Efficiencies. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 363-372. | 2.5 | 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. | 16.4 | 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. | 16.4 | 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. | 2.5 | 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. | 16.4 | 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. | 16.4 | 842 |
| 21 | Technical and economic assessment of photovoltaic-driven desalination systems. <i>Renewable Energy</i> , 2010, 35, 323-328. | 8.9 | 109 |
| 22 | Solar and wind opportunities for water desalination in the Arab regions. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2397-2407. | 16.4 | 122 |
| 23 | Solar photovoltaics technology: The revolution begins…. , 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. | 1.7 | 247 |
| 25 | Photovoltaics characterization: A survey of diagnostic measurements. <i>Journal of Materials Research</i> , 1998, 13, 2684-2708. | 2.6 | 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. | 16.4 | 156 |
| 28 | Arrays to atoms: The range, evolution, and frontiers of characterization. <i>Renewable Energy</i> , 1994, 5, 107-117. | 8.9 | 1 |
| 29 | Micro- to nano-characterization of semiconductor grain boundaries. <i>Surface Science Reports</i> , 1993, 19, 169-189. | 7.2 | 4 |
| 30 | Atomic Imaging, Atomic Processing and Nanocharacterization of CuInSe_2 Using Proximal Probe Techniques. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 25. | 1.5 | 9 |
| 31 | Atomic-level imaging, processing and characterization of defects and surfaces using proximal probe techniques. <i>Vacuum</i> , 1992, 43, 1011-1017. | 3.5 | 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 CuInSe_2 thin films. <i>Solar Cells</i> , 1986, 16, 369-380. | 0.6 | 30 |
| 34 | Electroplated CuInS_2 and CuInSe_2 layers: Preparation and physical and photovoltaic characterization. <i>Thin Solid Films</i> , 1985, 128, 93-106. | 1.8 | 91 |
| 35 | Composition and structure of 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 CuInS_2 , CuIn_5S_8 and 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. Solid-State Electronics, 1978, 21, 1545-1550. | 1.4 | 47 |