

Michael D Kelzenberg

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

663
citations

1163117

8
h-index

1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Si microwire-array solar cells. Energy and Environmental Science, 2010, 3, 1037.	30.8	217
2	High-performance Si microwire photovoltaics. Energy and Environmental Science, 2011, 4, 866.	30.8	196
3	A new metal transfer process for van der Waals contacts to vertical Schottky-junction transition metal dichalcogenide photovoltaics. Science Advances, 2019, 5, eaax6061.	10.3	74
4	A flexible phased array system with low areal mass density. Nature Electronics, 2019, 2, 195-205.	26.0	56
5	Photoanodic behavior of vapor-liquid-solid-grown, lightly doped, crystalline Si microwire arrays. Energy and Environmental Science, 2012, 5, 6867.	30.8	29
6	Radiation Tolerant Nanowire Array Solar Cells. ACS Nano, 2019, 13, 12860-12869.	14.6	27
7	A lightweight tile structure integrating photovoltaic conversion and RF power transfer for space solar power applications. , 2018, , .		25
8	Wafer-Scale Growth of Silicon Microwire Arrays for Photovoltaics and Solar Fuel Generation. IEEE Journal of Photovoltaics, 2012, 2, 294-297.	2.5	15
9	Nanowire Solar Cells: A New Radiation Hard PV Technology for Space Applications. IEEE Journal of Photovoltaics, 2020, 10, 502-507.	2.5	15
10	Optical Characterization of Silicon Nitride Metagrating-Based Lightsails for Self-Stabilization. ACS Photonics, 2022, 9, 1965-1972.	6.6	3
11	Effects of bulk and grain boundary recombination on the efficiency of columnar-grained crystalline silicon film solar cells. , 2010, , .		2
12	Lightweight Carbon Fiber Mirrors for Solar Concentrator Applications. , 2017, , .		2
13	Optoelectronic design of multijunction wire-array solar cells. , 2011, , .		1
14	Wafer-scale growth of silicon microwire arrays for photovoltaics. , 2011, , .		1
15	Irradiation Experiments on High Efficiency Nanowire Solar Cells Including Tilted Incidence Angle. , 2020, , .		0