

Jeff Y Tsao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2018738/publications.pdf>

Version: 2024-02-01

12
papers

1,622
citations

933447

10
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrawideâ€Bandgap Semiconductors: Research Opportunities and Challenges. Advanced Electronic Materials, 2018, 4, 1600501.	5.1	839
2	Toward Smart and Ultraâ€efficient Solidâ€State Lighting. Advanced Optical Materials, 2014, 2, 809-836.	7.3	300
3	Solidâ€State lighting: â€The caseâ€™ 10 years after and future prospects. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 17-29.	1.8	218
4	Asymmetric Melting and Freezing Kinetics in Silicon. Physical Review Letters, 1986, 56, 2712-2715.	7.8	79
5	The World's Appetite for Light: Empirical Data and Trends Spanning Three Centuries and Six Continents. LEUKOS - Journal of Illuminating Engineering Society of North America, 2010, 6, 259-281.	2.9	46
6	Crystallization instability at the amorphous-silicon/liquid-silicon interface. Physical Review Letters, 1987, 58, 2782-2785.	7.8	43
7	The Blue LED Nobel Prize: Historical context, current scientific understanding, human benefit. Annalen Der Physik, 2015, 527, A53.	2.4	30
8	The electrification of energy: Long-term trends and opportunities. MRS Energy & Sustainability, 2018, 5, 1.	3.0	23
9	Interfacial overheating during melting of Si at 190 m/s. Journal of Materials Research, 1987, 2, 91-95.	2.6	12
10	Time-Resolved Measurements of Solidification and Undercooling in Metals and Alloys. Materials Research Society Symposia Proceedings, 1989, 157, 369.	0.1	10
11	Transition-State Model for Entropy-Limited Freezing. Materials Research Society Symposia Proceedings, 1986, 74, 117.	0.1	7
12	Laserâ€Controlled Wet Chemical Etching for Corrective Trimming of Thin Films: Application to Aluminum. Journal of the Electrochemical Society, 1986, 133, 2244-2248.	2.9	6