

Jeff Y Tsao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,622
citations

932766

10
h-index

1125271

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. <i>Advanced Electronic Materials</i> , 2018, 4, 1600501.	2.6	839
2	Toward Smart and Ultraâ€efficient Solidâ€State Lighting. <i>Advanced Optical Materials</i> , 2014, 2, 809-836.	3.6	300
3	Solidâ€State lighting: â€The caseâ€™ 10 years after and future prospects. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 17-29.	0.8	218
4	Asymmetric Melting and Freezing Kinetics in Silicon. <i>Physical Review Letters</i> , 1986, 56, 2712-2715.	2.9	79
5	The World's Appetite for Light: Empirical Data and Trends Spanning Three Centuries and Six Continents. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2010, 6, 259-281.	1.5	46
6	Crystallization instability at the amorphous-silicon/liquid-silicon interface. <i>Physical Review Letters</i> , 1987, 58, 2782-2785.	2.9	43
7	The Blue LED Nobel Prize: Historical context, current scientific understanding, human benefit. <i>Annalen Der Physik</i> , 2015, 527, A53.	0.9	30
8	The electrification of energy: Long-term trends and opportunities. <i>MRS Energy & Sustainability</i> , 2018, 5, 1.	1.3	23
9	Interfacial overheating during melting of Si at 190 m/s. <i>Journal of Materials Research</i> , 1987, 2, 91-95.	1.2	12
10	Time-Resolved Measurements of Solidification and Undercooling in Metals and Alloys. <i>Materials Research Society Symposia Proceedings</i> , 1989, 157, 369.	0.1	10
11	Transition-State Model for Entropy-Limited Freezing. <i>Materials Research Society Symposia Proceedings</i> , 1986, 74, 117.	0.1	7
12	Laserâ€Controlled Wet Chemical Etching for Corrective Trimming of Thin Films: Application to Aluminum. <i>Journal of the Electrochemical Society</i> , 1986, 133, 2244-2248.	1.3	6