

Mark E Turiansky

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

505
citations

932766

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h-index

1058022

14
g-index

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all docs

14
docs citations

14
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimizing hydrogen vacancies to enable highly efficient hybrid perovskites. <i>Nature Materials</i> , 2021, 20, 971-976.	13.3	92
2	Iodine interstitials as a cause of nonradiative recombination in hybrid perovskites. <i>Physical Review B</i> , 2020, 101, .	1.1	76
3	Correctly Assessing Defect Tolerance in Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6022-6027.	1.5	70
4	Dangling Bonds in Hexagonal Boron Nitride as Single-Photon Emitters. <i>Physical Review Letters</i> , 2019, 123, 127401.	2.9	68
5	Nonrad: Computing nonradiative capture coefficients from first principles. <i>Computer Physics Communications</i> , 2021, 267, 108056.	3.0	50
6	Defect tolerance in halide perovskites: A first-principles perspective. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	35
7	All-inorganic halide perovskites as candidates for efficient solar cells. <i>Cell Reports Physical Science</i> , 2021, 2, 100604.	2.8	28
8	First-principles study of bandgap bowing in B _{0.9} Ga _{0.1} N alloys. <i>Journal of Applied Physics</i> , 2019, 126, 095706.	1.1	18
9	Hidden role of Bi incorporation in nonradiative recombination in methylammonium lead iodide. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12964-12967.	5.2	18
10	Spinning up quantum defects in 2D materials. <i>Nature Materials</i> , 2020, 19, 487-489.	13.3	18
11	Thermodynamics of boron incorporation in B _{0.9} Ga _{0.1} N. <i>Physical Review Materials</i> , 2021, 5, .	0.9	10
12	Prospects for <i>n</i> -type conductivity in cubic boron nitride. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	9
13	Boron dangling bonds in a monolayer of hexagonal boron nitride. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	7
14	Impact of dangling bonds on properties of h-BN. <i>2D Materials</i> , 2021, 8, 024002.	2.0	6