

Kevin R Talley

List of Publications by Year in descending order

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14
papers

380
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759233

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1058476

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393
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#	ARTICLE	IF	CITATIONS
1	Understanding Reproducibility of Sputter-Deposited Metastable Ferroelectric Wurtzite Al _{0.6} Sc _{0.4} N Films Using In Situ Optical Emission Spectrometry. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100043.	2.4	20
2	Instrument for spatially resolved, temperature-dependent electrochemical impedance spectroscopy of thin films under locally controlled atmosphere. <i>Review of Scientific Instruments</i> , 2021, 92, 065105.	1.3	4
3	Research data infrastructure for high-throughput experimental materials science. <i>Patterns</i> , 2021, 2, 100373.	5.9	19
4	Synthesis of LaWN ₃ nitride perovskite with polar symmetry. <i>Science</i> , 2021, 374, 1488-1491.	12.6	43
5	Influence of hydrogen and oxygen on the structure and properties of sputtered magnesium zirconium oxynitride thin films. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9364-9372.	10.3	11
6	Review of high-throughput approaches to search for piezoelectric nitrides. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .	2.1	14
7	Thin Film Synthesis of Semiconductors in the Mg-Sb-N Materials System. <i>Chemistry of Materials</i> , 2019, 31, 8717-8724.	6.7	46
8	COMBIgor: Data-Analysis Package for Combinatorial Materials Science. <i>ACS Combinatorial Science</i> , 2019, 21, 537-547.	3.8	52
9	Synthesis of Lanthanum Tungsten Oxynitride Perovskite Thin Films. <i>Advanced Electronic Materials</i> , 2019, 5, 1900214.	5.1	15
10	Composition, structure, and semiconducting properties of Mg _x Zr ₂ N ₂ thin films. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SC1015.	1.5	22
11	Enhanced Piezoelectric Response of AlN via CrN Alloying. <i>Physical Review Applied</i> , 2018, 9, .	3.8	57
12	Combinatorial Nitrogen Gradients in Sputtered Thin Films. <i>ACS Combinatorial Science</i> , 2018, 20, 436-442.	3.8	13
13	Implications of heterostructural alloying for enhanced piezoelectric performance of (Al,Sc)N. <i>Physical Review Materials</i> , 2018, 2, .	2.4	47
14	Automated algorithms for band gap analysis from optical absorption spectra. <i>Materials Discovery</i> , 2017, 10, 43-52.	3.3	17