

Nicholas Kempf

List of Publications by Year in descending order

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13
papers

651
citations

1163117

8
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric power generation in the core of a nuclear reactor. <i>Energy Conversion and Management</i> , 2022, 268, 115949.	9.2	9
2	All-Printed MXeneâ€“Graphene Nanosheet-Based Bimodal Sensors for Simultaneous Strain and Temperature Sensing. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2341-2348.	4.3	48
3	A robust high sensitivity scanning thermal probe for simultaneous microscale thermal and thermoelectric property mapping. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	2
4	Aerosol jet printed 3 omega sensors for thermal conductivity measurement. <i>Review of Scientific Instruments</i> , 2021, 92, 105008.	1.3	5
5	Origin of inhomogeneity in spark plasma sintered bismuth antimony telluride thermoelectric nanocomposites. <i>Nano Research</i> , 2020, 13, 1339-1346.	10.4	4
6	Flexible Thermoelectric Devices of Ultrahigh Power Factor by Scalable Printing and Interface Engineering. <i>Advanced Functional Materials</i> , 2020, 30, 1905796.	14.9	93
7	3D Printing of Solutionâ€“Processable 2D Nanoplates and 1D Nanorods for Flexible Thermoelectrics with Ultrahigh Power Factor at Lowâ€“Medium Temperatures. <i>Advanced Science</i> , 2019, 6, 1901788.	11.2	33
8	Power Generation from Nanostructured Half-Heusler Thermoelectrics for Efficient and Robust Energy Harvesting. <i>ACS Applied Energy Materials</i> , 2018, 1, 5986-5992.	5.1	14
9	Proton irradiation effect on thermoelectric properties of nanostructured n-type half-Heusler Hf _{0.25} Zr _{0.75} NiSn _{0.99} Sb _{0.01} . <i>Applied Physics Letters</i> , 2018, 112, 243902.	3.3	8
10	Design and optimization of automotive thermoelectric generators for maximum fuel efficiency improvement. <i>Energy Conversion and Management</i> , 2016, 121, 224-231.	9.2	88
11	Scalable solution-phase epitaxial growth of symmetry-mismatched heterostructures on two-dimensional crystal soft template. <i>Science Advances</i> , 2016, 2, e1600993.	10.3	52
12	High-performance and flexible thermoelectric films by screen printing solution-processed nanoplate crystals. <i>Scientific Reports</i> , 2016, 6, 33135.	3.3	141
13	High-temperature and high-power-density nanostructured thermoelectric generator for automotive waste heat recovery. <i>Energy Conversion and Management</i> , 2015, 105, 946-950.	9.2	154