Nicholas Kempf

List of Publications by Year
in descending order

13	651	1163117 8	1125743 13
papers	citations	h-index	g-index

13	13	13	925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-temperature and high-power-density nanostructured thermoelectric generator for automotive waste heat recovery. Energy Conversion and Management, 2015, 105, 946-950.	9.2	154
2	High-performance and flexible thermoelectric films by screen printing solution-processed nanoplate crystals. Scientific Reports, 2016, 6, 33135.	3.3	141
3	Flexible Thermoelectric Devices of Ultrahigh Power Factor by Scalable Printing and Interface Engineering. Advanced Functional Materials, 2020, 30, 1905796.	14.9	93
4	Design and optimization of automotive thermoelectric generators for maximum fuel efficiency improvement. Energy Conversion and Management, 2016, 121, 224-231.	9.2	88
5	Scalable solution-phase epitaxial growth of symmetry-mismatched heterostructures on two-dimensional crystal soft template. Science Advances, 2016, 2, e1600993.	10.3	52
6	All-Printed MXeneâ€“Graphene Nanosheet-Based Bimodal Sensors for Simultaneous Strain and Temperature Sensing. ACS Applied Electronic Materials, 2021, 3, 2341-2348.	4.3	48
7	3D Printing of Solutionâ€Processable 2D Nanoplates and 1D Nanorods for Flexible Thermoelectrics with Ultrahigh Power Factor at Lowâ€Medium Temperatures. Advanced Science, 2019, 6, 1901788.	11.2	33
8	Power Generation from Nanostructured Half-Heusler Thermoelectrics for Efficient and Robust Energy Harvesting. ACS Applied Energy Materials, 2018, 1, 5986-5992.	5.1	14
9	Thermoelectric power generation in the core of a nuclear reactor. Energy Conversion and Management, 2022, 268, 115949.	9.2	9
10	Proton irradiation effect on thermoelectric properties of nanostructured n-type half-Heusler Hf0.25Zr0.75NiSn0.99Sb0.01. Applied Physics Letters, 2018, 112, 243902.	3.3	8
11	Aerosol jet printed 3 omega sensors for thermal conductivity measurement. Review of Scientific Instruments, 2021, 92, 105008.	1.3	5
12	Origin of inhomogeneity in spark plasma sintered bismuth antimony telluride thermoelectric nanocomposites. Nano Research, 2020, 13, 1339-1346.	10.4	4
13	A robust high sensitivity scanning thermal probe for simultaneous microscale thermal and thermoelectric property mapping. Applied Physics Letters, 2021, 119, .	3.3	2