

Saniya LeBlanc

List of Publications by Year in descending order

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29
papers

1,444
citations

516561

16
h-index

642610

23
g-index

29
all docs

29
docs citations

29
times ranked

1735
citing authors

#	ARTICLE	IF	CITATIONS
1	Material and manufacturing cost considerations for thermoelectrics. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 313-327.	8.2	386
2	\$ per W metrics for thermoelectric power generation: beyond ZT. <i>Energy and Environmental Science</i> , 2013, 6, 2561-2571.	15.6	201
3	Thermoelectric generators: Linking material properties and systems engineering for waste heat recovery applications. <i>Sustainable Materials and Technologies</i> , 2014, 1-2, 26-35.	1.7	192
4	Printed thermoelectric materials and devices: Fabrication techniques, advantages, and challenges. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	90
5	Power density optimization for micro thermoelectric generators. <i>Energy</i> , 2015, 93, 2006-2017.	4.5	76
6	Additive manufacturing of ceramic materials for energy applications: Road map and opportunities. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3049-3088.	2.8	62
7	The impact of thermoelectric leg geometries on thermal resistance and power output. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	55
8	Rapid processing and assembly of semiconductor thermoelectric materials for energy conversion devices. <i>Materials Letters</i> , 2016, 185, 598-602.	1.3	46
9	Influences of energy density on microstructure and consolidation of selective laser melted bismuth telluride thermoelectric powder. <i>Journal of Manufacturing Processes</i> , 2017, 25, 411-417.	2.8	43
10	Printing thermoelectric inks toward next-generation energy and thermal devices. <i>Chemical Society Reviews</i> , 2022, 51, 485-512.	18.7	39
11	Cost Scaling of a Real-World Exhaust Waste Heat Recovery Thermoelectric Generator: A Deeper Dive. <i>Journal of Electronic Materials</i> , 2016, 45, 1751-1761.	1.0	38
12	Simulated and experimental dynamic response characterization of an electromagnetic microvalve. <i>Sensors and Actuators A: Physical</i> , 2008, 143, 399-408.	2.0	37
13	Distributed and localized cooling with thermoelectrics. <i>Joule</i> , 2021, 5, 748-751.	11.7	34
14	Laser additive manufacturing of powdered bismuth telluride. <i>Journal of Materials Research</i> , 2018, 33, 4031-4039.	1.2	23
15	Pulsed laser melting of bismuth telluride thermoelectric materials. <i>Journal of Manufacturing Processes</i> , 2019, 43, 35-46.	2.8	23
16	The Influence of Leg Shape on Thermoelectric Performance Under Constant Temperature and Heat Flux Boundary Conditions. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	21
17	Ink synthesis and inkjet printing of electrostatically stabilized multilayer graphene nanoshells. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 454-462.	5.0	15
18	Electrothermal phenomena in zinc oxide nanowires and contacts. <i>Applied Physics Letters</i> , 2012, 100, 163105.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Nano- and Micro-Structures Formed during Laser Processing of Selenium Doped Bismuth Telluride. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100185.	1.9	9
20	Additive Manufacturing of Bulk Thermoelectric Architectures: A Review. <i>Energies</i> , 2022, 15, 3121.	1.6	9
21	Processing Parameters for Selective Laser Sintering or Melting of Oxide Ceramics. , 0, , .		8
22	Electric Field Assisted Self-Assembly of Viruses into Colored Thin Films. <i>Nanomaterials</i> , 2019, 9, 1310.	1.9	5
23	Examining community solar programs to understand accessibility and investment: Evidence from the U.S.. <i>Energy Policy</i> , 2021, 159, 112600.	4.2	5
24	Modeling and Optimization of Small Thermoelectric Generators for Low-Power Electronics. , 2013, , .		4
25	Reply to the "comment on " per W metrics for thermoelectric power generation: beyond ZT" by G. Nunes, Jr, <i>Energy Environ. Sci.</i> , 2014, 7, DOI: 10.1039/C3EE43700K. <i>Energy and Environmental Science</i> , 2014, 7, 3441-3442.	15.6	4
26	Selective laser melting of half-Heusler thermoelectric materials. , 2018, , .		2
27	Meso-, micro-, and nano-structures induced in bismuth telluride thermoelectric materials by laser additive manufacturing. , 2020, , .		2
28	Laser Additive Manufacturing Process Development for Bismuth Telluride Thermoelectric Material. <i>Journal of Materials Engineering and Performance</i> , 0, , .	1.2	2
29	Sterically Stabilized Multilayer Graphene Nanoshells for Inkjet Printed Resistors. <i>Electronic Materials</i> , 2021, 2, 394-412.	0.9	0