

Gilberto Moreno

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

156
citations

1478505

6
h-index

1588992

8
g-index

18
all docs

18
docs citations

18
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	A perspective on the electro-thermal co-design of ultra-wide bandgap lateral devices. Applied Physics Letters, 2021, 119, .	3.3	28
2	Electric-Drive Vehicle Power Electronics Thermal Management: Current Status, Challenges, and Future Directions. Journal of Electronic Packaging, Transactions of the ASME, 2022, 144, .	1.8	27
3	Effects of Pressure and a Microporous Coating on HFC-245fa Pool Boiling Heat Transfer. Journal of Heat Transfer, 2014, 136, .	2.1	15
4	Convective Heat Transfer Coefficients of Automatic Transmission Fluid Jets With Implications for Electric Machine Thermal Management. , 2015, , .		15
5	Evaluation of performance and opportunities for improvements in automotive power electronics systems. , 2016, , .		13
6	Single-Phase Dielectric Fluid Thermal Management for Power-Dense Automotive Power Electronics. IEEE Transactions on Power Electronics, 2022, 37, 12474-12485.	7.9	10
7	Validation and Parametric Investigations of an Internal Permanent Magnet Motor Using a Lumped Parameter Thermal Model. Journal of Electronic Packaging, Transactions of the ASME, 2022, 144, .	1.8	8
8	Surface Temperature Effect on Convective Heat Transfer Coefficients for Jet Impingement Cooling of Electric Machines With Automatic Transmission Fluid. , 2019, , .		7
9	Pool Boiling Heat Transfer Characteristics of HFO-1234yf With and Without Microporous-Enhanced Surfaces. , 2011, , .		6
10	Nucleate pool boiling of R-245fa at low saturation temperatures for hydrogen precooling applications. International Journal of Heat and Mass Transfer, 2019, 132, 172-183.	4.8	6
11	Energy Use in Quantum Data Centers: Scaling the Impact of Computer Architecture, Qubit Performance, Size, and Thermal Parameters. IEEE Transactions on Sustainable Computing, 2022, 7, 864-874.	3.1	6
12	Experimental and numerical study of heat transfer characteristics of single-phase free-surface fan jet impingement with automatic transmission fluid. International Journal of Heat and Mass Transfer, 2021, 166, 120731.	4.8	5
13	Modeling Needs for Power Semiconductor Devices and Power Electronics Systems. , 2019, , .		3
14	Passive two-phase cooling for automotive power electronics. , 2014, , .		2
15	Dielectric Fluids for the Direct Forced Convection Cooling of Power Electronics. , 2021, , .		2
16	Electrothermal Modeling and Analysis of Gallium Oxide Power Switching Devices. , 2019, , .		2
17	Effects of Pressure and a Microporous Coating on HFC-245fa Pool Boiling Heat Transfer. , 2013, , .		1
18	Local-Scale Simulations of Nucleate Boiling on Micrometer-Featured Surfaces. , 2017, , .		0