

Reza Pejman

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

165
citations

1307594

7
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-objective shape optimization and parametric study of a micro-channel heat sink with discrete non-uniform heat flux boundary conditions. Applied Thermal Engineering, 2019, 150, 720-737.	6.0	47
2	Gradient-based hybrid topology/shape optimization of bioinspired microvascular composites. International Journal of Heat and Mass Transfer, 2019, 144, 118606.	4.8	22
3	Performance analysis and shape optimization of a water-cooled impingement micro-channel heat sink including manifolds. International Journal of Thermal Sciences, 2020, 148, 106145.	4.9	21
4	Fracture micromechanics of human dentin: A microscale numerical model. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 114, 104171.	3.1	12
5	Multi-physics design of a new battery packaging for electric vehicles utilizing multifunctional composites. Composites Part B: Engineering, 2022, 237, 109810.	12.0	11
6	How to design a blockage-tolerant cooling network?. Applied Thermal Engineering, 2020, 181, 115916.	6.0	10
7	Investigation of Circular Woven Composite Preforms for Composite Pipes. Autex Research Journal, 2016, 16, 100-108.	1.1	8
8	Geometric Optimization of an Impinging Cold-Plate with a Trapezoidal Groove Used for Warm Water Cooling. , 2018, , .		8
9	Hybrid topology/shape optimization under uncertainty for actively-cooled nature-inspired microvascular composites. Computer Methods in Applied Mechanics and Engineering, 2021, 375, 113624.	6.6	7
10	Numerical study of interfacial crack growth effects on nanoindentation mechanical properties in presence of pre-existing defect. Thin Solid Films, 2013, 545, 408-413.	1.8	6
11	A Microvascular-Based Multifunctional and Reconfigurable Metamaterial. Advanced Materials Technologies, 2021, 6, 2100433.	5.8	5
12	Multi-physics design optimization of structural battery. Multifunctional Materials, 2021, 4, 024001.	3.7	4
13	Network Redundancy: A Key Design Factor for Cooling Networks. , 2020, , .		2
14	Topology optimization of microvascular composites for active-cooling applications using a geometrical reduced-order model. Structural and Multidisciplinary Optimization, 2021, 64, 563.	3.5	1