

Reza Pejman

List of Publications by Year in descending order

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14
papers

165
citations

1307594

7
h-index

1199594

12
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16
all docs

16
docs citations

16
times ranked

122
citing authors

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