

Zia Javanbakht

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

193
citations

1478280

6
h-index

1372474

10
g-index

19
all docs

19
docs citations

19
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Finite Element Simulation with MSC Marc. , 2017, , .		44
2	Computational Statics Revision Course. , 2018, , .		24
3	On the inclined static loading of honeycomb re-entrant auxetics. Composite Structures, 2021, 273, 114289.	3.1	19
4	Finite element analysis of natural fiber composites using a self-updating model. Journal of Composite Materials, 2020, 54, 3275-3286.	1.2	16
5	On the deformation mechanism of re-entrant honeycomb auxetics under inclined static loads. Materials Letters, 2021, 286, 129214.	1.3	15
6	The influence of post-heat treatments on the tensile strength and surface hardness of selectively laser-melted AlSi10Mg. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 546-552.	0.5	12
7	Automatized Estimation of the Effective Thermal Conductivity of Carbon Fiber Reinforced Composite Materials. Defect and Diffusion Forum, 0, 370, 177-183.	0.4	10
8	The effect of substrate bonding on characterization of thin elastic layers: A finite element study. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 456-462.	0.5	7
9	On thermal strains and residual stresses in the linear theory of anti-sandwiches. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2019, 99, e201900062.	0.9	7
10	An element-wise scheme to analyse local mechanical anisotropy in fibre-reinforced composites. Materials Science and Technology, 2020, 36, 1178-1190.	0.8	7
11	Effective Thermal Conductivity of Fiber Reinforced Composites Under Orientation Clustering. Advanced Structured Materials, 2019, , 507-519.	0.3	7
12	Finite Element Evaluation of Effective Thermal Conductivity of Short Carbon Nano Tubes: A Comparative Study. Defect and Diffusion Forum, 0, 372, 208-214.	0.4	5
13	Effect of geometrical variations on the failure mechanisms of perforated steel plate shear Walls—a parametric study towards a new design. Thin-Walled Structures, 2021, 159, 107244.	2.7	5
14	Computational Evaluation of Transverse Thermal Conductivity of Natural Fiber Composites. Advanced Structured Materials, 2018, , 197-206.	0.3	5
15	The Effect of Partitioning on the Clustering Index of Randomly-Oriented Fiber Composites: A Parametric Study. Defect and Diffusion Forum, 0, 380, 232-241.	0.4	4
16	Low-cost fabrication of high-performance composite structures using external compaction pressure. Materials Science and Technology, 2022, 38, 1459-1466.	0.8	4
17	Adjusting the Plastic Zone Development in Steel Plate Shear Walls—A Finite Element Study. Advanced Structured Materials, 2020, , 337-348.	0.3	1
18	Hollow Sections—How to Make Composite Tubes. Advanced Structured Materials, 2021, , 105-134.	0.3	0