

Mohammad Malekan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

568
citations

687220

13
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642610

23
g-index

31
all docs

31
docs citations

31
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	An Abaqus plug-in to simulate fatigue crack growth. <i>Engineering With Computers</i> , 2022, 38, 2991-3005.	3.5	5
2	Cutting edge wear in high-speed stainless steel end milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 2911-2928.	1.5	5
3	Fracture analyses of surface asperities during sliding contact. <i>Tribology International</i> , 2021, 159, 106939.	3.0	5
4	Parabolic trough solar collectors. , 2021, , 85-100.		7
5	Cutting Depth Dictates the Transition from Continuous to Segmented Chip Formation. <i>Physical Review Letters</i> , 2021, 127, 235502.	2.9	12
6	Design parameter modelling of solar power tower system using adaptive neuro-fuzzy inference system optimized with a combination of genetic algorithm and teaching learning-based optimization algorithm. <i>Journal of Cleaner Production</i> , 2020, 244, 118904.	4.6	38
7	On the vibrational responses of thin FGM tubes subjected to internal sequential moving pressure. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	2
8	Performance improvement of a double pipe heat exchanger proposed in a small-scale CAES system: An innovative design. <i>Applied Thermal Engineering</i> , 2019, 162, 114315.	3.0	7
9	Heat transfer modeling of a parabolic trough solar collector with working fluid of Fe ₃ O ₄ and CuO/Therminol 66 nanofluids under magnetic field. <i>Applied Thermal Engineering</i> , 2019, 163, 114435.	3.0	60
10	Thermodynamic and economic analysis of a hybrid ocean thermal energy conversion/photovoltaic system with hydrogen-based energy storage system. <i>Energy</i> , 2019, 172, 304-319.	4.5	64
11	Deformation and fracture of cylindrical tubes under detonation loading: A review of numerical and experimental analyses. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 173, 114-132.	1.2	22
12	Thermal Resistance Modeling of Oscillating Heat Pipes for Nanofluids by Artificial Intelligence Approach. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	20
13	Effect of the magnetic field on the heat transfer coefficient of a Fe ₃ O ₄ -water ferrofluid using artificial intelligence and CFD simulation. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	12
14	Numerical analysis of magnetic field effects on the heat transfer enhancement in ferrofluids for a parabolic trough solar collector. <i>Renewable Energy</i> , 2019, 134, 54-63.	4.3	83
15	The influence of magnetic field on heat transfer of magnetic nanofluid in a double pipe heat exchanger proposed in a small-scale CAES system. <i>Applied Thermal Engineering</i> , 2019, 146, 146-159.	3.0	38
16	Investigation of convective heat transfer of ferrofluid using CFD simulation and adaptive neuro-fuzzy inference system optimized with particle swarm optimization algorithm. <i>Powder Technology</i> , 2018, 333, 364-376.	2.1	22
17	Analysis of a main fatigue crack interaction with multiple micro-cracks/voids in a compact tension specimen repaired by stop-hole technique. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 648-662.	1.0	8
18	Finite element analysis of a repaired thin-walled aluminum tube containing a longitudinal crack with composite patches under internal dynamic loading. <i>Composite Structures</i> , 2018, 184, 980-1004.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Two-dimensional fracture modeling with the generalized/extended finite element method: An object-oriented programming approach. <i>Advances in Engineering Software</i> , 2018, 115, 168-193.	1.8	22
20	Numerical analysis of a main crack interactions with micro-defects/inhomogeneities using two-scale generalized/extended finite element method. <i>Computational Mechanics</i> , 2018, 62, 783-801.	2.2	8
21	Finite element evaluation of the effects of curvature in Lamb waves for composites structural health monitoring. <i>Latin American Journal of Solids and Structures</i> , 2018, 15, .	0.6	5
22	Fracture analysis in plane structures with the two-scale G/XFEM method. <i>International Journal of Solids and Structures</i> , 2018, 155, 65-80.	1.3	14
23	A computational framework for a two-scale generalized/extended finite element method. <i>Engineering Computations</i> , 2017, 34, 988-1019.	0.7	18
24	Imposition of Dirichlet Boundary Conditions in Element Free Galerkin Method through an Object-Oriented Implementation. <i>Latin American Journal of Solids and Structures</i> , 2017, 14, 1017-1039.	0.6	6
25	Finite element simulation of gaseous detonation-driven fracture in thin aluminum tube using cohesive element. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 989-997.	0.8	6
26	An Object-Oriented Class Organization for Global-Local Generalized Finite Element Method. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 2529-2551.	0.6	14
27	Semiautonomous Mission Operation Plan for a Remote Sensing Leo Microsatellite. <i>Journal of Aerospace Engineering</i> , 2016, 29, 04015016.	0.8	1
28	Well-conditioning global-local analysis using stable generalized/extended finite element method for linear elastic fracture mechanics. <i>Computational Mechanics</i> , 2016, 58, 819-831.	2.2	21
29	Thermo-mechanical analysis of a cylindrical tube under internal shock loading using numerical solution. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 2635-2649.	0.8	8
30	Failure analysis and finite element simulation of deformation and fracture of an exploded CNG fuel tank. <i>Engineering Failure Analysis</i> , 2013, 30, 91-98.	1.8	24