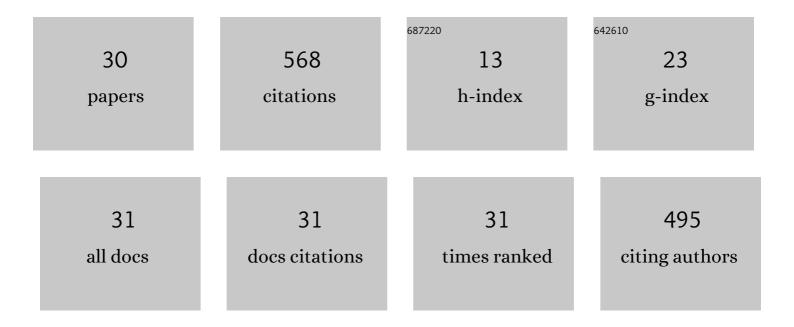
Mohammad Malekan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	An Abaqus plug-in to simulate fatigue crack growth. Engineering With Computers, 2022, 38, 2991-3005.	3.5	5
2	Cutting edge wear in high-speed stainless steel end milling. International Journal of Advanced Manufacturing Technology, 2021, 114, 2911-2928.	1.5	5
3	Fracture analyses of surface asperities during sliding contact. Tribology International, 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. Physical Review Letters, 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. Journal of Cleaner Production, 2020, 244, 118904.	4.6	38
7	On the vibrational responses of thin FGM tubes subjected to internal sequential moving pressure. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 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. Applied Thermal Engineering, 2019, 162, 114315.	3.0	7
9	Heat transfer modeling of a parabolic trough solar collector with working fluid of Fe3O4 and CuO/Therminol 66 nanofluids under magnetic field. Applied Thermal Engineering, 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. Energy, 2019, 172, 304-319.	4.5	64
11	Deformation and fracture of cylindrical tubes under detonation loading: A review of numerical and experimental analyses. International Journal of Pressure Vessels and Piping, 2019, 173, 114-132.	1.2	22
12	Thermal Resistance Modeling of Oscillating Heat Pipes for Nanofluids by Artificial Intelligence Approach. Journal of Heat Transfer, 2019, 141, .	1.2	20
13	Effect of the magnetic field on the heat transfer coefficient of a Fe3O4-water ferrofluid using artificial intelligence and CFD simulation. European Physical Journal Plus, 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. Renewable Energy, 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. Applied Thermal Engineering, 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. Powder Technology, 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. Journal of Strain Analysis for Engineering Design, 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. Composite Structures, 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. Advances in Engineering Software, 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. Computational Mechanics, 2018, 62, 783-801.	2.2	8
21	Finite element evaluation of the effects of curvature in Lamb waves for composites structural health monitoring. Latin American Journal of Solids and Structures, 2018, 15, .	0.6	5
22	Fracture analysis in plane structures with the two-scale G/XFEM method. International Journal of Solids and Structures, 2018, 155, 65-80.	1.3	14
23	A computational framework for a two-scale generalized/extended finite element method. Engineering Computations, 2017, 34, 988-1019.	0.7	18
24	Imposition of Dirichlet Boundary Conditions in Element Free Galerkin Method through an Object-Oriented Implementation. Latin American Journal of Solids and Structures, 2017, 14, 1017-1039.	0.6	6
25	Finite element simulation of gaseous detonation-driven fracture in thin aluminum tube using cohesive element. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 989-997.	0.8	6
26	An Object-Oriented Class Organization for Global-Local Generalized Finite Element Method. Latin American Journal of Solids and Structures, 2016, 13, 2529-2551.	0.6	14
27	Semiautonomous Mission Operation Plan for a Remote Sensing Leo Microsatellite. Journal of Aerospace Engineering, 2016, 29, 04015016.	0.8	1
28	Well-conditioning global–local analysis using stable generalized/extended finite element method for linear elastic fracture mechanics. Computational Mechanics, 2016, 58, 819-831.	2.2	21
29	Thermo-mechanical analysis of a cylindrical tube under internal shock loading using numerical solution. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2635-2649.	0.8	8
30	Failure analysis and finite element simulation of deformation and fracture of an exploded CNG fuel tank. Engineering Failure Analysis, 2013, 30, 91-98.	1.8	24