

Mohammad M Kheirikhah

List of Publications by Year in descending order

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33
papers

312
citations

1040056

9
h-index

940533

16
g-index

34
all docs

34
docs citations

34
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckling analysis of heterogeneous magneto-electro-thermo-elastic cylindrical nanoshells based on nonlocal strain gradient elasticity theory. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 817-840.	4.7	19
2	Modified strain gradient theory for nonlinear vibration analysis of functionally graded piezoelectric doubly curved microshells. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 4219-4231.	2.1	3
3	Multi-objective genetic algorithm optimization of composite sandwich plates using a higher-order theory. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	10
4	Free Vibration Analysis of Composite-Faced Soft-Core Sandwich Plates Using a High-Order Theory. <i>Journal of Aerospace Engineering</i> , 2019, 32, .	1.4	9
5	Static analysis of sandwich plates embedded with shape memory alloy wires using active strain energy tuning method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	7
6	Buckling and free vibration analyses of composite sandwich plates reinforced by shape-memory alloy wires. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	20
7	Bending and buckling analysis of corrugated composite sandwich plates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 2571-2588.	1.6	18
8	Free vibration analysis of corrugated-face sheet composite sandwich plates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 1973-1985.	1.6	11
9	Buckling Analysis of Composite Sandwich Plates with Flexible Core Using Improved High-Order Theory. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 233-247.	2.6	13
10	Biaxial wrinkling analysis of composite-faced sandwich plates with soft core using improved high-order theory. <i>European Journal of Mechanics, A/Solids</i> , 2014, 43, 68-77.	3.7	7
11	Influence of high velocity oxy-fuel parameters on the corrosion resistance of NiCr coatings. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2013, 227, 318-335.	1.1	2
12	Design and construction of an artificial finger based on SMA actuators. <i>Indian Journal of Science and Technology</i> , 2013, 6, 1-8.	0.7	3
13	Bending analysis of soft core sandwich plates with embedded shape memory alloy wires using three-dimensional finite element method. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2012, 226, 186-202.	1.1	1
14	Fuzzy controller design of a new biomimetic earthworm robot for endoscopy actuated by SMA wires. , 2012, , .		0
15	Design and modeling of a new biomimetic earthworm robot for endoscopy actuated by SMA wires. , 2012, , .		2
16	Wrinkling Analysis of Rectangular Soft-Core Composite Sandwich Plates. <i>Advanced Structured Materials</i> , 2012, , 35-59.	0.5	7
17	Natural Vibration Analysis of Soft Core Corrugated Sandwich Plates Using Three-Dimensional Finite Element Method. <i>Advanced Structured Materials</i> , 2012, , 163-174.	0.5	2
18	Biaxial buckling analysis of soft-core composite sandwich plates using improved high-order theory. <i>European Journal of Mechanics, A/Solids</i> , 2012, 31, 54-66.	3.7	74

#	ARTICLE	IF	CITATIONS
19	Analytical solution for bending analysis of soft-core composite sandwich plates using improved high-order theory. <i>Structural Engineering and Mechanics</i> , 2012, 44, 15-34.	1.0	16
20	Fuzzy PID controller design for snake robot based SMA actuators. , 2011, , .		0
21	Fracture analysis of semielliptical cracks at the interface of two functionally gradient materials using three-dimensional finite-element method. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2011, 225, 103-110.	1.1	2
22	Force control of a SMA actuated gripper by using self tuning fuzzy PID controller. , 2011, , .		5
23	Fabrication a practical SMA actuated gripper. , 2011, , .		2
24	A Review of Shape Memory Alloy Actuators in Robotics. <i>Lecture Notes in Computer Science</i> , 2011, , 206-217.	1.3	45
25	Fuzzy PID controller design for artificial finger based SMA actuators. , 2011, , .		10
26	Design a new model for artificial finger by using SMA actuators. , 2010, , .		8
27	Stress intensity factor calculation of steel-lined hoop-wrapped cylinders with internal semi-elliptical circumferential crack. <i>Engineering Fracture Mechanics</i> , 2007, 74, 2004-2013.	4.3	6
28	Bending Analysis of Composite Sandwich Plates with Flexible Core Using 3D Finite Element Method. <i>Applied Mechanics and Materials</i> , 0, 110-116, 1229-1236.	0.2	0
29	Buckling Analysis of Soft-Core Composite Sandwich Plates Using 3D Finite Element Method. <i>Applied Mechanics and Materials</i> , 0, 105-107, 1768-1772.	0.2	4
30	Bending Analysis of SMA Embedded Rectangular Laminated Sandwich Plates with Soft Core Using 3D Finite Element Method. <i>Applied Mechanics and Materials</i> , 0, 110-116, 1458-1465.	0.2	1
31	Modeling and Simulation of Nano Structures Based on Molecular Dynamics. <i>Applied Mechanics and Materials</i> , 0, 110-116, 1841-1848.	0.2	0
32	Nonlinear vibration behavior of doubly-curved functionally graded piezoelectric microshells in thermal environments. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	2.7	3
33	Design and Dynamic Simulation of a New SMA Actuated Snake Robot. <i>International Journal of Modeling and Optimization</i> , 0, , 340-347.	0.4	2