

Mohammad M Kheirikhah

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/800863/publications.pdf>

Version: 2024-02-01

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	Biaxial buckling analysis of soft-core composite sandwich plates using improved high-order theory. European Journal of Mechanics, A/Solids, 2012, 31, 54-66.	3.7	74
2	A Review of Shape Memory Alloy Actuators in Robotics. Lecture Notes in Computer Science, 2011, , 206-217.	1.3	45
3	Buckling and free vibration analyses of composite sandwich plates reinforced by shape-memory alloy wires. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	20
4	Buckling analysis of heterogeneous magneto-electro-thermo-elastic cylindrical nanoshells based on nonlocal strain gradient elasticity theory. Mechanics Based Design of Structures and Machines, 2022, 50, 817-840.	4.7	19
5	Bending and buckling analysis of corrugated composite sandwich plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2571-2588.	1.6	18
6	Analytical solution for bending analysis of soft-core composite sandwich plates using improved high-order theory. Structural Engineering and Mechanics, 2012, 44, 15-34.	1.0	16
7	Buckling Analysis of Composite Sandwich Plates with Flexible Core Using Improved High-Order Theory. Mechanics of Advanced Materials and Structures, 2015, 22, 233-247.	2.6	13
8	Free vibration analysis of corrugated-face sheet composite sandwich plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1973-1985.	1.6	11
9	Fuzzy PID controller design for artificial finger based SMA actuators. , 2011, , .		10
10	Multi-objective genetic algorithm optimization of composite sandwich plates using a higher-order theory. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	10
11	Free Vibration Analysis of Composite-Faced Soft-Core Sandwich Plates Using a High-Order Theory. Journal of Aerospace Engineering, 2019, 32, .	1.4	9
12	Design a new model for artificial finger by using SMA actuators. , 2010, , .		8
13	Wrinkling Analysis of Rectangular Soft-Core Composite Sandwich Plates. Advanced Structured Materials, 2012, , 35-59.	0.5	7
14	Biaxial wrinkling analysis of composite-faced sandwich plates with soft core using improved high-order theory. European Journal of Mechanics, A/Solids, 2014, 43, 68-77.	3.7	7
15	Static analysis of sandwich plates embedded with shape memory alloy wires using active strain energy tuning method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	7
16	Stress intensity factor calculation of steel-lined hoop-wrapped cylinders with internal semi-elliptical circumferential crack. Engineering Fracture Mechanics, 2007, 74, 2004-2013.	4.3	6
17	Force control of a SMA actuated gripper by using self tuning fuzzy PID controller. , 2011, , .		5
18	Buckling Analysis of Soft-Core Composite Sandwich Plates Using 3D Finite Element Method. Applied Mechanics and Materials, 0, 105-107, 1768-1772.	0.2	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Fabrication a practical SMA actuated gripper. , 2011, , .		2
24	Design and modeling of a new biomimetic earthworm robot for endoscopy actuated by SMA wires. , 2012, , .		2
25	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
26	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
27	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
28	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
29	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
30	Fuzzy PID controller design for snake robot based SMA actuators. , 2011, , .		0
31	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
32	Modeling and Simulation of Nano Structures Based on Molecular Dynamics. <i>Applied Mechanics and Materials</i> , 0, 110-116, 1841-1848.	0.2	0
33	Fuzzy controller design of a new biomimetic earthworm robot for endoscopy actuated by SMA wires. , 2012, , .		0