Keivan Torabi

List of Publications by Year
in descending order

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		759233	752698
25	440	12	20
papers	citations	h-index	g-index

25	25	25	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exact closed form solution for whirling analysis of Timoshenko rotors with multiple concentrated masses. Mechanics Based Design of Structures and Machines, 2022, 50, 969-992.	4.7	11
2	Optimal design of a novel graded auxetic honeycomb core for sandwich beams under bending using digital image correlation (DIC). Composite Structures, 2022, 286, 115310.	5.8	32
3	Modeling and analysis of flow energy harvesters made of PZT ceramics considering different patches, cross-sections, and tip bodies. Ceramics International, 2021, 47, 3279-3291.	4.8	9
4	A semi-analytical solution for free vibration analysis of a step beam with multiple concentrated masses using variational iteration method. International Journal for Computational Methods in Engineering Science and Mechanics, 2021, 22, 333-343.	2.1	1
5	Nonlinear vibration analysis of an elastically connected double-non-classical Timoshenko microbeam subject to moving particle based on the modified couple stress theory. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	4
6	DQEM analysis of free transverse vibration of rotating non-uniform nanobeams in the presence of cracks based on the nonlocal Timoshenko beam theory. SN Applied Sciences, 2019, 1, 1.	2.9	1
7	Free Vibration Analysis of a Rotating Non-uniform Nanocantilever Carrying Arbitrary Concentrated Masses Based on the Nonlocal Timoshenko Beam Using DQEM. INAE Letters, 2019, 4, 45-58.	1.0	2
8	Investigation and Optimization of Mechanical Properties of Nitrile-Butadiene Rubber/Polyvinyl Chloride/NiFe2O4 Nanocomposite. Fibers and Polymers, 2019, 20, 2247-2253.	2.1	2
9	Absolute frequency analysis of traveling waves in a thin-wall laminated composite cylindrical shell rotating on two-ending elastic supports. Composite Structures, 2019, 212, 129-147.	5.8	5
10	Vibration and flutter analyses of cantilever trapezoidal honeycomb sandwich plates. Journal of Sandwich Structures and Materials, 2019, 21, 2887-2920.	3.5	43
11	Optimization of flutter boundaries of cantilevered trapezoidal functionally graded sandwich plates. Journal of Sandwich Structures and Materials, 2019, 21, 503-531.	3.5	27
12	Development of beam modal function for free vibration analysis of FML circular cylindrical shells. JVC/Journal of Vibration and Control, 2018, 24, 3026-3035.	2.6	24
13	Moving support technique for delaminatoin detection in laminated composite beams using the first natural frequency. Journal of Reinforced Plastics and Composites, 2017, 36, 1116-1128.	3.1	6
14	Optimization for flutter boundaries of cantilevered trapezoidal thick plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1545-1561.	1.6	24
15	Vibration analysis of a cantilevered trapezoidal moderately thick plate with variable thickness. Engineering Solid Mechanics, 2017, , 71-92.	1.2	15
16	Control-Oriented Modeling of a Polymeric Soft Robot. Soft Robotics, 2016, 3, 82-97.	8.0	14
17	Development of a novel soft parallel robot equipped with polymeric artificial muscles. Smart Materials and Structures, 2015, 24, 035017.	3.5	48
18	Exact closed form solution for the analysis of the transverse vibration modes of a Timoshenko beam with multiple concentrated masses. Applied Mathematics and Computation, 2014, 238, 342-357.	2.2	16

#	Article	IF	Citations
19	A DQEM for transverse vibration analysis of multiple cracked non-uniform Timoshenko beams with general boundary conditions. Computers and Mathematics With Applications, 2014, 67, 527-541.	2.7	30
20	Dynamic modeling and robust control of an L-shaped microrobot based on fast trilayer polypyrrole-bending actuators. Journal of Intelligent Material Systems and Structures, 2013, 24, 484-498.	2.5	8
21	Robust control of conjugated polymer actuators considering the spatio-temporal dynamics. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 806-822.	1.0	4
22	An analytical method for free vibration analysis of Timoshenko beam theory applied to cracked nanobeams using a nonlocal elasticity model. Thin Solid Films, 2012, 520, 6595-6602.	1.8	61
23	Robust Control of the PWR Core Power Using Quantitative Feedback Theory. IEEE Transactions on Nuclear Science, 2011, 58, 258-266.	2.0	35
24	Finite element modelling and robust control of fast trilayer polypyrrole bending actuators. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 281-305.	0.6	10
25	Analytical dynamic modeling of fast trilayer polypyrrole bending actuators. Smart Materials and Structures, 2011, 20, 115020.	3.5	8