Tamer A El-Sayed

List of Publications by Year
in descending order

		1040056	940533
22 papers	288 citations	9 h-index	16 g-index
23 all docs	23 docs citations	23 times ranked	156 citing authors

#	Article	IF	Citations
1	A new numericâ€"symbolic procedure for variational iteration method with application to the free vibration of generalized multi-span Timoshenko beam. JVC/Journal of Vibration and Control, 2022, 28, 799-811.	2.6	6
2	Bifurcation analysis of rotor/bearing system using third-order journal bearing stiffness and damping coefficients. Nonlinear Dynamics, 2022, 107, 123-151.	5.2	10
3	Longitudinal Vibration Analysis of a Stepped Nonlocal Rod Embedded in Several Elastic Media. Journal of Vibration Engineering and Technologies, 2022, 10, 1399-1412.	2.2	5
4	Nonlinear dynamics and bifurcation analysis of journal bearings based on second order stiffness and damping coefficients. International Journal of Non-Linear Mechanics, 2022, 142, 103972.	2.6	12
5	A novel method to evaluate the journal bearing forces with application to flexible rotor model. Tribology International, 2022, 173, 107593.	5.9	8
6	Free vibration analysis of multistepped nonlocal Bernoulliâ€"Euler beams using dynamic stiffness matrix method. JVC/Journal of Vibration and Control, 2021, 27, 774-789.	2.6	6
7	Micro-fabrication of ceramics: Additive manufacturing and conventional technologies. Journal of Advanced Ceramics, 2021, 10, 1-27.	17.4	44
8	Experimental and computational investigation of energy ball wind turbine aerodynamic performance. Advances in Mechanical Engineering, 2019, 11, 168781401987954.	1.6	1
9	Free vibration and stability analysis of a multi-span pipe conveying fluid using exact and variational iteration methods combined with transfer matrix method. Applied Mathematical Modelling, 2019, 71, 173-193.	4.2	48
10	Application of variational iteration method to free vibration analysis of a tapered beam mounted on two-degree of freedom subsystems. Applied Mathematical Modelling, 2018, 58, 349-364.	4.2	23
11	Frequency equation using new set of fundamental solutions with application on the free vibration of Timoshenko beams with intermediate rigid or elastic span. JVC/Journal of Vibration and Control, 2018, 24, 4764-4780.	2.6	6
12	Exact free vibration analysis for mechanical system composed of Timoshenko beams with intermediate eccentric rigid body on elastic supports: An experimental and analytical investigation. Mechanical Systems and Signal Processing, 2017, 82, 376-393.	8.0	16
13	Failure pressure of composite membrane housing for SWRO desalination plants. Desalination, 2017, 411, 45-58.	8.2	3
14	A Normalized Transfer Matrix Method for the Free Vibration of Stepped Beams: Comparison with Experimental and FE(3D) Methods. Shock and Vibration, 2017, 2017, 1-23.	0.6	7
15	Analytical and finite element modeling of pressure vessels for seawater reverse osmosis desalination plants. Desalination, 2016, 397, 126-139.	8.2	19
16	Exact free vibration analysis of Timoshenko stepped shaft carrying elastically supported eccentric masses with application on SWRO mechanical system. Desalination, 2016, 385, 194-206.	8.2	10
17	Exact free vibration of multi-step Timoshenko beam system with several attachments. Mechanical Systems and Signal Processing, 2016, 72-73, 525-546.	8.0	29
18	Performance of hydraulic turbocharger integrated with hydraulic energy management in SWRO desalination plants. Desalination, 2016, 379, 85-92.	8.2	12

#	Article	IF	Citations
19	Exact vibration of Timoshenko beam combined with multiple mass spring sub-systems. Structural Engineering and Mechanics, 2016, 57, 989-1014.	1.0	8
20	A Finite-Element Hardness Model for Analyzing 316L Stainless Steel/Ceramic Nanocomposites. Mechanics of Composite Materials, 2015, 51, 33-42.	1.4	1
21	Fractographic analysis of epoxy coated glass. Ceramics International, 2012, 38, 2543-2549.	4.8	2
22	Modelling the strengthening of glass using epoxy based coatings. Journal of the European Ceramic Society, 2011, 31, 2783-2791.	5.7	12