

Lourdes Rubio

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

551
citations

840776

11
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural frequencies for bending vibrations of Timoshenko cracked beams. <i>Journal of Sound and Vibration</i> , 2006, 290, 640-653.	3.9	163
2	Improvement of chatter stability in boring operations with passive vibration absorbers. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 1376-1384.	6.7	111
3	Optimization of passive vibration absorbers to reduce chatter in boring. <i>Mechanical Systems and Signal Processing</i> , 2013, 41, 691-704.	8.0	60
4	Determination of the Stress Intensity Factor of an elliptical breathing crack in a rotating shaft. <i>International Journal of Fatigue</i> , 2015, 77, 216-231.	5.7	25
5	Static behaviour of a shaft with an elliptical crack. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 1674-1686.	8.0	22
6	Unique determination of a single crack in a uniform simply supported beam in bending vibration. <i>Journal of Sound and Vibration</i> , 2016, 371, 94-109.	3.9	22
7	Crack identification in non-uniform rods by two frequency data. <i>International Journal of Solids and Structures</i> , 2015, 75-76, 61-80.	2.7	19
8	Identification of two cracks in a rod by minimal resonant and antiresonant frequency data. <i>Mechanical Systems and Signal Processing</i> , 2015, 60-61, 1-13.	8.0	17
9	The full nonlinear crack detection problem in uniform vibrating rods. <i>Journal of Sound and Vibration</i> , 2015, 339, 99-111.	3.9	16
10	Identification of two cracks with different severity in beams and rods from minimal frequency data. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3102-3117.	2.6	12
11	Identification of an open crack in a beam with variable profile by two resonant frequencies. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 839-859.	2.6	12
12	Stress intensity factor estimation for unbalanced rotating cracked shafts by artificial neural networks. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 352-367.	3.4	11
13	Neural approach to estimate the stress intensity factor of semi-elliptical cracks in rotating cracked shafts in bending. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 539-550.	3.4	10
14	Point mass identification in rectangular plates from minimal natural frequency data. <i>Mechanical Systems and Signal Processing</i> , 2016, 80, 245-261.	8.0	7
15	Crack identification in elastically restrained vibrating rods. <i>International Journal of Non-Linear Mechanics</i> , 2017, 94, 257-267.	2.6	7
16	Propagation of surface breathing cracks in shafts under quasi-static rotary bending. <i>Nonlinear Dynamics</i> , 2017, 90, 1987-2000.	5.2	7
17	Stress Intensity Factor and propagation of an open sickle shaped crack in a shaft under bending. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 688-698.	4.7	7
18	Web-based application for descriptive geometry learning. <i>Computer Applications in Engineering Education</i> , 2010, 18, 574-581.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Computer-aided tool for teaching mechanical clutch systems design. Computer Applications in Engineering Education, 2011, 19, 493-500.	3.4	5
20	A new efficient procedure to solve the nonlinear dynamics of a cracked rotor. Nonlinear Dynamics, 2012, 70, 1731.	5.2	5
21	The \hat{I} -Curves Method for crack identification in beams. Procedia Engineering, 2017, 199, 1964-1969.	1.2	3
22	FEM Analysis of the SIF in Rotating Shafts Containing Breathing Elliptical Cracks. Mechanisms and Machine Science, 2015, , 323-333.	0.5	2
23	Exact Eigensolutions for a Family of Nonuniform Rods With End Point Masses. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.6	1
24	Elliptical Crack Identification in a Nonrotating Shaft. Shock and Vibration, 2018, 2018, 1-10.	0.6	1