# Lourdes Rubio

List of Publications by Year
in descending order



| 24 | 551 | 840776 11 | 642732 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 430 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of an open crack in a beam with variable profile by two resonant frequencies. JVC/Journal of Vibration and Control, 2018, 24, 839-859. | 2.6 | 12 |
| 2 | Neural approach to estimate the stress intensity factor of semiâ€elliptical cracks in rotating cracked shafts in bending. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 539-550. | 3.4 | 10 |
| 3 | Stress Intensity Factor and propagation of an open sickle shaped crack in a shaft under bending. Theoretical and Applied Fracture Mechanics, 2018, 96, 688-698. | 4.7 | 7 |
| 4 | Elliptical Crack Identification in a Nonrotating Shaft. Shock and Vibration, 2018, 2018, 1-10. | 0.6 | 1 |
| 5 | 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 |
| 6 | Crack identification in elastically restrained vibrating rods. International Journal of Non-Linear Mechanics, 2017, 94, 257-267. | 2.6 | 7 |
| 7 | Propagation of surface breathing cracks in shafts under quasi-static rotary bending. Nonlinear Dynamics, 2017, 90, 1987-2000. | 5.2 | 7 |
| 8 | The Î»-Curves Method for crack identification in beams. Procedia Engineering, 2017, 199, 1964-1969. | 1.2 | 3 |
| 9 | Point mass identification in rectangular plates from minimal natural frequency data. Mechanical Systems and Signal Processing, 2016, 80, 245-261. | 8.0 | 7 |
| 10 | Unique determination of a single crack in a uniform simply supported beam in bending vibration. Journal of Sound and Vibration, 2016, 371, 94-109. | 3.9 | 22 |
| 11 | Identification of two cracks with different severity in beams and rods from minimal frequency data. JVC/Journal of Vibration and Control, 2016, 22, 3102-3117. | 2.6 | 12 |
| 12 | Determination of the Stress Intensity Factor of an elliptical breathing crack in a rotating shaft. International Journal of Fatigue, 2015, 77, 216-231. | 5.7 | 25 |
| 13 | Identification of two cracks in a rod by minimal resonant and antiresonant frequency data. Mechanical Systems and Signal Processing, 2015, 60-61, 1-13. | 8.0 | 17 |
| 14 | Stress intensity factor estimation for unbalanced rotating cracked shafts by artificial neural networks. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 352-367. | 3.4 | 11 |
| 15 | Crack identification in non-uniform rods by two frequency data. International Journal of Solids and Structures, 2015, 75-76, 61-80. | 2.7 | 19 |
| 16 | The full nonlinear crack detection problem in uniform vibrating rods. Journal of Sound and Vibration, 2015, 339, 99-111. | 3.9 | 16 |
| 17 | FEM Analysis of the SIF in Rotating Shafts Containing Breathing Elliptical Cracks. Mechanisms and Machine Science, 2015, , 323-333. | 0.5 | 2 |
| 18 | Optimization of passive vibration absorbers to reduce chatter in boring. Mechanical Systems and Signal Processing, 2013, 41, 691-704. | 8.0 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A new efficient procedure to solve the nonlinear dynamics of a cracked rotor. Nonlinear Dynamics, 2012, 70, 1731. | 5.2 | 5 |
| 20 | Computer-aided tool for teaching mechanical clutch systems design. Computer Applications in Engineering Education, 2011, 19, 493-500. | 3.4 | 5 |
| 21 | Static behaviour of a shaft with an elliptical crack. Mechanical Systems and Signal Processing, 2011, 25, 1674-1686. | 8.0 | 22 |
| 22 | Web-based application for descriptive geometry learning. Computer Applications in Engineering Education, 2010, 18, 574-581. | 3.4 | 6 |
| 23 | Improvement of chatter stability in boring operations with passive vibration absorbers. International Journal of Mechanical Sciences, 2010, 52, 1376-1384. | 6.7 | 111 |
| 24 | Natural frequencies for bending vibrations of Timoshenko cracked beams. Journal of Sound and Vibration, 2006, 290, 640-653. | 3.9 | 163 |