# Angelo Luongo

## List of Publications by Citations



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|---|---|---|---|
| 152 papers | 3,719 citations | 37 h-index | 53 g-index |
| 159 ext. papers | 4,132 ext. citations | 3.4 avg, IF | 5.99 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 152 | Planar non-linear free vibrations of an elastic cable. *International Journal of Non-Linear Mechanics*, **1984**, 19, 39-52 | 2.8 | 156 |
| 151 | Comparison of whole-body PET/CT and PET/MRI in breast cancer patients: lesion detection and quantitation of 18F-deoxyglucose uptake in lesions and in normal organ tissues. *European Journal of Radiology*, **2014**, 83, 289-96 | 4.7 | 103 |
| 150 | Evaluation of Quantitative PET/MR Enterography Biomarkers for Discrimination of Inflammatory Strictures from Fibrotic Strictures in Crohn Disease. *Radiology*, **2016**, 278, 792-800 | 20.5 | 93 |
| 149 | Analytical and numerical approaches to nonlinear galloping of internally resonant suspended cables. *Journal of Sound and Vibration*, **2008**, 315, 375-393 | 3.9 | 92 |
| 148 | NON-LINEAR GALLOPING OF SAGGED CABLES IN 1:2 INTERNAL RESONANCE. *Journal of Sound and Vibration*, **1998**, 214, 915-940 | 3.9 | 83 |
| 147 | Comparison of CE-FDG-PET/CT with CE-FDG-PET/MR in the evaluation of osseous metastases in breast cancer patients. *British Journal of Cancer*, **2015**, 112, 1452-60 | 8.7 | 80 |
| 146 | Plane bias extension test for a continuum with two inextensible families of fibers: A variational treatment with Lagrange multipliers and a perturbation solution. *International Journal of Solids and Structures*, **2016**, 81, 1-12 | 3.1 | 79 |
| 145 | On the effect of twist angle on nonlinear galloping of suspended cables. *Computers and Structures*, **2009**, 87, 1003-1014 | 4.5 | 76 |
| 144 | Linear instability mechanisms for coupled translational galloping. *Journal of Sound and Vibration*, **2005**, 288, 1027-1047 | 3.9 | 76 |
| 143 | Linear and non-linear interactions between static and dynamic bifurcations of damped planar beams. *International Journal of Non-Linear Mechanics*, **2007**, 42, 88-98 | 2.8 | 72 |
| 142 | A complete dynamic approach to the Generalized Beam Theory cross-section analysis including extension and shear modes. *Mathematics and Mechanics of Solids*, **2014**, 19, 900-924 | 2.3 | 71 |
| 141 | Dynamic analysis of externally excited NES-controlled systems via a mixed Multiple Scale/Harmonic Balance algorithm. *Nonlinear Dynamics*, **2012**, 70, 2049-2061 | 5 | 68 |
| 140 | On Nonlinear Dynamics of Planar Shear Indeformable Beams. *Journal of Applied Mechanics, Transactions ASME*, **1986**, 53, 619-624 | 2.7 | 68 |
| 139 | Aeroelastic instability analysis of NES-controlled systems via a mixed multiple scale/harmonic balance method. *JVC/Journal of Vibration and Control*, **2014**, 20, 1985-1998 | 2 | 62 |
| 138 | Parametric, external and self-excitation of a tower under turbulent wind flow. *Journal of Sound and Vibration*, **2011**, 330, 3057-3069 | 3.9 | 60 |
| 137 | Dynamic instability of inclined cables under combined wind flow and support motion. *Nonlinear Dynamics*, **2012**, 67, 71-87 | 5 | 57 |
| 136 | A new approach for thin-walled member analysis in the framework of GBT. *Thin-Walled Structures*, **2011**, 49, 1404-1414 | 4.7 | 57 |

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| 135 | A linear curved-beam model for the analysis of galloping in suspended cables. *Journal of Mechanics of Materials and Structures*, **2007**, 2, 675-694 | 1.2 | 55 |
| 134 | INVARIANT REPRESENTATION OF PROPAGATION PROPERTIES FOR BI-COUPLED PERIODIC STRUCTURES. *Journal of Sound and Vibration*, **2002**, 257, 869-886 | 3.9 | 54 |
| 133 | A direct approach for the evaluation of the conventional modes within the GBT formulation. *Thin-Walled Structures*, **2014**, 74, 133-145 | 4.7 | 52 |
| 132 | Multiple Timescales Analysis for 1:2 and 1:3 Resonant Hopf Bifurcations. *Nonlinear Dynamics*, **2003**, 34, 269-291 | 5 | 52 |
| 131 | Nonlinear energy sink to control vibrations of an internally nonresonant elastic string. *Meccanica*, **2015**, 50, 781-794 | 2.1 | 51 |
| 130 | Nonlinear energy sink to control elastic strings: the internal resonance case. *Nonlinear Dynamics*, **2015**, 81, 425-435 | 5 | 45 |
| 129 | Dynamics of the pendulum with periodically varying length. *Physica D: Nonlinear Phenomena*, **2009**, 238, 1589-1597 | 3.3 | 45 |
| 128 | Postcritical Behavior of Cables Undergoing Two Simultaneous Galloping Modes. *Meccanica*, **1998**, 33, 229-242 | 2.1 | 45 |
| 127 | A Continuous Approach to the Aeroelastic Stability of Suspended Cables in 1 : 2 Internal Resonance. *JVC/Journal of Vibration and Control*, **2008**, 14, 135-157 | 2 | 45 |
| 126 | Vibration reduction in piecewise bi-coupled periodic structures. *Journal of Sound and Vibration*, **2003**, 268, 601-615 | 3.9 | 45 |
| 125 | Mode localization by structural imperfections in one-dimensional continuous systems. *Journal of Sound and Vibration*, **1992**, 155, 249-271 | 3.9 | 45 |
| 124 | **2013**, | | 44 |
| 123 | Flexural-torsional bifurcations of a cantilever beam under potential and circulatory forces I: Non-linear model and stability analysis. *International Journal of Non-Linear Mechanics*, **2006**, 41, 586-594 | 2.8 | 41 |
| 122 | Asymmetric interactive buckling of thin-walled columns with initial imperfections. *Thin-Walled Structures*, **1987**, 5, 365-382 | 4.7 | 41 |
| 121 | Perturbation Methods for Bifurcation Analysis from Multiple Nonresonant Complex Eigenvalues. *Nonlinear Dynamics*, **1997**, 14, 193-210 | 5 | 40 |
| 120 | Bifurcation Equations Through Multiple-Scales Analysis for a Continuous Model of a Planar Beam. *Nonlinear Dynamics*, **2005**, 41, 171-190 | 5 | 40 |
| 119 | Eigensolutions sensitivity for nonsymmetric matrices with repeated eigenvalues. *AIAA Journal*, **1993**, 31, 1321-1328 | 2.1 | 39 |
| 118 | On the amplitude modulation and localization phenomena in interactive buckling problems. *International Journal of Solids and Structures*, **1991**, 27, 1943-1954 | 3.1 | 39 |

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| 117 | Monofrequent oscillations of a non-linear model of a suspended cable. *Journal of Sound and Vibration*, **1982**, 82, 247-259 | 3.9 | 39 |
| 116 | Linear stability of piezoelectric-controlled discrete mechanical systems under nonconservative positional forces. *Meccanica*, **2015**, 50, 825-839 | 2.1 | 38 |
| 115 | Double zero bifurcation of non-linear viscoelastic beams under conservative and non-conservative loads. *International Journal of Non-Linear Mechanics*, **2013**, 55, 128-139 | 2.8 | 37 |
| 114 | Bifurcation and stability of a two-tower system under wind-induced parametric, external and self-excitation. *Journal of Sound and Vibration*, **2012**, 331, 365-383 | 3.9 | 36 |
| 113 | One to one resonant double Hopf bifurcation in aeroelastic oscillators with tuned mass dampers. *Journal of Sound and Vibration*, **2003**, 262, 201-217 | 3.9 | 36 |
| 112 | A shear□hear torsional beam model for nonlinear aeroelastic analysis of tower buildings. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2015**, 66, 1895-1913 | 1.6 | 35 |
| 111 | Simple and double Hopf bifurcations in aeroelastic oscillators with tuned mass dampers. *Journal of the Franklin Institute*, **2001**, 338, 187-201 | 4 | 35 |
| 110 | A non-linear model for the dynamics of open cross-section thin-walled beams□art I: formulation. *International Journal of Non-Linear Mechanics*, **2003**, 38, 1067-1081 | 2.8 | 33 |
| 109 | PET/MR in invasive ductal breast cancer: correlation between imaging markers and histological phenotype. *British Journal of Cancer*, **2017**, 116, 893-902 | 8.7 | 32 |
| 108 | Real wave vectors for dynamic analysis of periodic structures. *Journal of Sound and Vibration*, **2005**, 279, 309-325 | 3.9 | 32 |
| 107 | Equivalent nonlinear beam model for the 3-D analysis of shear-type buildings: Application to aeroelastic instability. *International Journal of Non-Linear Mechanics*, **2016**, 80, 52-65 | 2.8 | 31 |
| 106 | On the effect of the local overall interaction on the postbuckling of uniformly compressed channels. *Thin-Walled Structures*, **1985**, 3, 293-321 | 4.7 | 31 |
| 105 | On the destabilizing effect of damping on discrete and continuous circulatory systems. *Journal of Sound and Vibration*, **2014**, 333, 6723-6741 | 3.9 | 30 |
| 104 | A perturbation method for evaluating nonlinear normal modes of a piecewise linear two-degrees-of-freedom system. *Nonlinear Dynamics*, **2008**, 54, 379-393 | 5 | 30 |
| 103 | Eigensolutions of perturbed nearly defective matrices. *Journal of Sound and Vibration*, **1995**, 185, 377-395 | 3.9 | 30 |
| 102 | Three-dimensional vibrations of tethered satellite systems. *Journal of Guidance, Control, and Dynamics*, **1991**, 14, 312-320 | 2.1 | 30 |
| 101 | MULTIPLE SCALE ANALYSIS FOR DIVERGENCE-HOPF BIFURCATION OF IMPERFECT SYMMETRIC SYSTEMS. *Journal of Sound and Vibration*, **1998**, 218, 527-539 | 3.9 | 29 |
| 100 | Multiscale analysis of defective multiple-Hopf bifurcations. *Computers and Structures*, **2004**, 82, 2705-2722 | 4.5 | 29 |

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| 99 | On the Reconstitution Problem in the Multiple Time-Scale Method. *Nonlinear Dynamics*, **1999**, 19, 135-158 | 3 | 29 |
| 98 | Multiple interaction and localization phenomena in the postbuckling of compressed thin-walled members. *AIAA Journal*, **1988**, 26, 1395-1402 | 2.1 | 29 |
| 97 | Divergence, Hopf and double-zero bifurcations of a nonlinear planar beam. *Computers and Structures*, **2006**, 84, 1596-1605 | 4.5 | 28 |
| 96 | A damage constitutive model for sliding friction coupled to wear. *Continuum Mechanics and Thermodynamics*, **2013**, 25, 503-522 | 3.5 | 27 |
| 95 | Free vibrations and sensitivity analysis of a defective two degree-of-freedom system. *AIAA Journal*, **1995**, 33, 120-127 | 2.1 | 25 |
| 94 | Non-linear Free Periodic Oscillations Of A Tethered Satellite System. *Journal of Sound and Vibration* , **1994**, 175, 299-315 | 3.9 | 24 |
| 93 | Equivalent Timoshenko linear beam model for the static and dynamic analysis of tower buildings. *Applied Mathematical Modelling*, **2019**, 71, 77-95 | 4.5 | 23 |
| 92 | A non-linear one-dimensional model of cross-deformable tubular beam. *International Journal of Non-Linear Mechanics*, **2014**, 66, 33-42 | 2.8 | 20 |
| 91 | A non-linear model for the dynamics of open cross-section thin-walled beams Part II: forced motion. *International Journal of Non-Linear Mechanics*, **2003**, 38, 1083-1094 | 2.8 | 20 |
| 90 | Nonlinear Tuned Mass Damper for self-excited oscillations. *Wind and Structures, an International Journal*, **2004**, 7, 251-264 | | 20 |
| 89 | Nonlinear hysteretic damping effects on the post-critical behaviour of the visco-elastic Beck beam. *Mathematics and Mechanics of Solids*, **2017**, 22, 1347-1365 | 2.3 | 19 |
| 88 | A unified perturbation approach to static/dynamic coupled instabilities of nonlinear structures. *Thin-Walled Structures*, **2010**, 48, 744-751 | 4.7 | 19 |
| 87 | Natural vibrations of suspended cables with flexible supports. *Computers and Structures*, **1980**, 12, 65-75 | 4.5 | 19 |
| 86 | A simple homogenized orthotropic model for in-plane analysis of regular masonry walls. *International Journal of Solids and Structures*, **2019**, 167, 156-169 | 3.1 | 18 |
| 85 | Sensitivities and Linear Stability Analysis Around a Double-Zero Eigenvalue. *AIAA Journal*, **2000**, 38, 702-710 | 2.1 | 18 |
| 84 | Stability and control of transversal oscillations of a tethered satellite system. *Applied Mathematics and Computation*, **1995**, 70, 343-360 | 2.7 | 18 |
| 83 | Hard loss of stability of Ziegler column with nonlinear damping. *Meccanica*, **2016**, 51, 2647-2663 | 2.1 | 18 |
| 82 | On the failure of the similar Piezoelectric Control in preventing loss of stability by nonconservative positional forces. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2015**, 66, 1949-1968 | 1.6 | 17 |

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| 81 | A paradigmatic minimal system to explain the Ziegler paradox. *Continuum Mechanics and Thermodynamics*, **2015**, 27, 211-222 | 3.5 | 17 |
| 80 | On the Proper Form of the Amplitude Modulation Equations for Resonant Systems. *Nonlinear Dynamics*, **2002**, 27, 237-254 | 5 | 17 |
| 79 | Multiple-Timescale Analysis for Bifurcation from a Multiple-Zero Eigenvalue. *AIAA Journal*, **2003**, 41, 1143-1150 | 2.1 | 17 |
| 78 | A revisitation of the paradox of discontinuous trajectory for a mass particle moving on a taut string. *Nonlinear Dynamics*, **2016**, 86, 2245-2260 | 5 | 17 |
| 77 | Shear-shear-torsional homogenous beam models for nonlinear periodic beam-like structures. *Engineering Structures*, **2019**, 184, 115-133 | 4.7 | 16 |
| 76 | Control of primary and subharmonic resonances of a Duffing oscillator via non-linear energy sink. *International Journal of Non-Linear Mechanics*, **2016**, 80, 170-182 | 2.8 | 16 |
| 75 | Vibrational stabilization of the upright statically unstable position of a double pendulum. *Journal of Sound and Vibration*, **2012**, 331, 457-469 | 3.9 | 16 |
| 74 | A paradigmatic system to study the transition from zero/Hopf to double-zero/Hopf bifurcation. *Nonlinear Dynamics*, **2012**, 70, 111-124 | 5 | 16 |
| 73 | BIFURCATION ANALYSIS OF DAMPED VISCO-ELASTIC PLANAR BEAMS UNDER SIMULTANEOUS GRAVITATIONAL AND FOLLOWER FORCES. *International Journal of Modern Physics B*, **2012**, 26, 1246015 | 1.1 | 16 |
| 72 | Flexural–torsional bifurcations of a cantilever beam under potential and circulatory forces II. Post-critical analysis. *International Journal of Non-Linear Mechanics*, **2006**, 41, 595-604 | 2.8 | 16 |
| 71 | Perturbation methods for nonlinear autonomous discrete-time dynamical systems. *Nonlinear Dynamics*, **1996**, 10, 317-331 | 5 | 16 |
| 70 | Nonlinear aeroelastic behavior of a base-isolated beam under steady wind flow. *International Journal of Non-Linear Mechanics*, **2020**, 119, 103340 | 2.8 | 16 |
| 69 | On the use of the multiple scale method in solving difficult bifurcation problems. *Mathematics and Mechanics of Solids*, **2017**, 22, 988-1004 | 2.3 | 15 |
| 68 | Nonlinear Generalized Beam Theory for open thin-walled members. *Mathematics and Mechanics of Solids*, **2017**, 22, 1907-1921 | 2.3 | 13 |
| 67 | GBT pre-buckling and buckling analyses of thin-walled members under axial and transverse loads. *Continuum Mechanics and Thermodynamics*, **2016**, 28, 41-66 | 3.5 | 12 |
| 66 | Can a semi-simple eigenvalue admit fractional sensitivities?. *Applied Mathematics and Computation*, **2015**, 255, 165-178 | 2.7 | 11 |
| 65 | The Brazier effect for elastic pipe beams with foam cores. *Thin-Walled Structures*, **2018**, 124, 72-80 | 4.7 | 11 |
| 64 | Non-resonant non-planar free motions of inextensional non-compact beams. *Journal of Sound and Vibration*, **1989**, 134, 73-86 | 3.9 | 11 |

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| 63 | A simple model for damage analysis of a frame-masonry shear-wall system. *International Journal of Solids and Structures*, **2017**, 129, 119-134 | 3.1 | 10 |
| 62 | Free and forced linear dynamics of a homogeneous model for beam-like structures. *Meccanica*, **2020**, 55, 907-925 | 2.1 | 10 |
| 61 | Paradoxes in dynamic stability of mechanical systems: investigating the causes and detecting the nonlinear behaviors. *SpringerPlus*, **2016**, 5, 60 | | 10 |
| 60 | Piezoelectric control of Hopf bifurcations: A non-linear discrete case study. *International Journal of Non-Linear Mechanics*, **2016**, 80, 160-169 | 2.8 | 9 |
| 59 | Stabilization via parametric excitation of multi-dof statically unstable systems. *Communications in Nonlinear Science and Numerical Simulation*, **2014**, 19, 3913-3926 | 3.7 | 9 |
| 58 | Linear Stability Analysis of Multiparameter Dynamical Systems via a Numerical-Perturbation Approach. *AIAA Journal*, **2011**, 49, 2047-2056 | 2.1 | 9 |
| 57 | Weakly nonlinear dynamics of taut strings traveled by a single moving force. *Meccanica*, **2017**, 52, 3087-3099 | 2.1 | 8 |
| 56 | Dynamics of taut strings traveled by train of forces. *Continuum Mechanics and Thermodynamics*, **2016**, 28, 603-616 | 3.5 | 8 |
| 55 | On the perturbation analysis of interactive buckling in nearly symmetric structures. *International Journal of Solids and Structures*, **1992**, 29, 721-733 | 3.1 | 8 |
| 54 | Nonlinear Aeroelastic in-Plane Behavior of Suspension Bridges under Steady Wind Flow. *Applied Sciences (Switzerland)*, **2020**, 10, 1689 | 2.6 | 7 |
| 53 | Improving the linear stability of the Beck?s beam by added dashpots. *International Journal of Mechanical Sciences*, **2016**, 110, 151-159 | 5.5 | 7 |
| 52 | Statics of Shallow Inclined Elastic Cables under General Vertical Loads: A Perturbation Approach. *Mathematics*, **2018**, 6, 24 | 2.3 | 7 |
| 51 | Nonlinear planar modeling of massive taut strings travelled by a force-driven point-mass. *Nonlinear Dynamics*, **2019**, 97, 2201-2218 | 5 | 7 |
| 50 | Solution to the problem of Nicolai. *Journal of Sound and Vibration*, **2014**, 333, 1932-1944 | 3.9 | 7 |
| 49 | Effects of damping on the stability of the compressed Nicolai beam. *Mathematics and Mechanics of Complex Systems*, **2015**, 3, 1-26 | 3.2 | 7 |
| 48 | Controlling the Limit-Cycle of the Ziegler Column via a Tuned Piezoelectric Damper. *Mathematical Problems in Engineering*, **2015**, 2015, 1-9 | 1.1 | 7 |
| 47 | A GBT Model for the Analysis of Composite Steel–Concrete Beams with Partial Shear Interaction. *Structures*, **2015**, 4, 27-37 | 3.4 | 7 |
| 46 | Nonlinear viscoelastic analysis of a cylindrical balloon squeezed between two rigid moving plates. *International Journal of Solids and Structures*, **2013**, 50, 2213-2223 | 3.1 | 7 |

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| 45 | Dynamic Analysis of Linear and Nonlinear Oscillations of a Beam Under Axial and Transversal Random Poisson Pulses. *Nonlinear Dynamics*, **2004**, 36, 421-435 | 5 | 7 |
| 44 | Interactive buckling of an elastically restrained truss structure. *Thin-Walled Structures*, **1994**, 19, 197-210 | 4.7 | 7 |
| 43 | Multimodal galloping of dense spectra structures. *Journal of Wind Engineering and Industrial Aerodynamics*, **1993**, 48, 163-174 | 3.7 | 7 |
| 42 | Shear Performance Assessment of Timber Log-House Walls under In-Plane Lateral Loads via Numerical and Analytical Modelling. *Buildings*, **2018**, 8, 99 | 3.2 | 7 |
| 41 | A novel straightforward dynamic approach for the evaluation of extensional modes within GBT cross-section analysys *Thin-Walled Structures*, **2017**, 114, 52-69 | 4.7 | 6 |
| 40 | Nonstationary nonplanar free motions of an orbiting string with multiple internal resonances. *Meccanica*, **1996**, 31, 363-381 | 2.1 | 6 |
| 39 | On large-amplitude vibrations of cables. *Journal of Sound and Vibration*, **1987**, 116, 573-575 | 3.9 | 6 |
| 38 | Perturbation method for the dynamic analysis of a bistable oscillator under slow harmonic excitation. *Smart Structures and Systems*, **2016**, 18, 183-196 | | 6 |
| 37 | Buckling of tower buildings on elastic foundation under compressive tip forces and self-weight. *Continuum Mechanics and Thermodynamics*, **2020**, 1 | 3.5 | 6 |
| 36 | A Continuum Approach to the Nonlinear In-Plane Galloping of Shallow Flexible Cables. *Advances in Mathematical Physics*, **2019**, 2019, 1-12 | 1.1 | 5 |
| 35 | Dynamics of taut strings undergoing large changes of tension caused by a force-driven traveling mass. *Journal of Sound and Vibration*, **2019**, 458, 320-333 | 3.9 | 5 |
| 34 | Dry galloping in inclined cables: linear stability analysis. *Procedia Engineering*, **2017**, 199, 3164-3169 | | 5 |
| 33 | Static and dynamic consistent perturbation analysis for nonlinear inextensible planar frames. *Computers and Structures*, **2013**, 123, 79-92 | 4.5 | 5 |
| 32 | Nonlinear interaction between self- and parametrically excited wind-induced vibrations. *Nonlinear Dynamics*, **2021**, 103, 79-101 | 5 | 5 |
| 31 | On the effect of mechanical non-linearities on vortex-induced lock-in vibrations. *Mathematics and Mechanics of Solids*, **2017**, 22, 1922-1935 | 2.3 | 4 |
| 30 | Static Perturbation Analysis of Inclined Shallow Elastic Cables under general 3D-loads. *Curved and Layered Structures*, **2016**, 5, 250-259 | 1.9 | 4 |
| 29 | Static and Dynamic Responses of Micro-Structured Beams. *Applied Sciences (Switzerland)*, **2020**, 10, 6836 | 2.6 | 4 |
| 28 | Qualitative analysis of classes of motion for multiresonant systems I. An algebraic method. *Acta Mechanica*, **2005**, 174, 91-107 | 2.1 | 4 |

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| 27 | Bifurcations and stability of amplitude modulated planar oscillations of an orbiting string with internal resonances. *Nonlinear Dynamics*, **1996**, 9, 305-325 | 5 | 4 |
| 26 | Linear and Nonlinear Damping Effects on the Stability of the Ziegler Column. *Springer Proceedings in Physics*, **2015**, 335-352 | 0.2 | 3 |
| 25 | Nonlinear elastic analysis of steel planar frames under fire loads. *Computers and Structures*, **2015**, 150, 23-33 | 4.5 | 3 |
| 24 | Qualitative analysis of classes of motion for multiresonant systems II. A geometrical method. *Acta Mechanica*, **2005**, 174, 109-124 | 2.1 | 3 |
| 23 | Modeling the linear dynamics of continuous viscoelastic systems on their infinite-dimensional central subspace. *Mathematics and Mechanics of Complex Systems*, **2020**, 8, 127-151 | 3.2 | 3 |
| 22 | On the effect of damping on the stabilization of mechanical systems via parametric excitation. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2016**, 67, 1 | 1.6 | 3 |
| 21 | Shear and flexural factors for static analysis of homogenized beam models of planar frames. *Engineering Structures*, **2021**, 228, 111440 | 4.7 | 3 |
| 20 | On the nonlinear effects of the mean wind force on the galloping onset in shallow cables. *Nonlinear Dynamics*, **2021**, 103, 3127-3148 | 5 | 3 |
| 19 | Flexural-Torsional Flutter and Buckling of Braced Foil Beams under a Follower Force. *Mathematical Problems in Engineering*, **2017**, 2017, 1-10 | 1.1 | 2 |
| 18 | Postcritical behavior of a discrete Nicolai column. *Nonlinear Dynamics*, **2016**, 86, 2231-2243 | 5 | 2 |
| 17 | Semi-analytical approaches for the nonlinear dynamics of a taut string subject to a moving load. *Nonlinear Dynamics*, **2019**, 98, 2463-2474 | 5 | 2 |
| 16 | Invariant subspace reduction for linear dynamic analysis of finite-dimensional viscoelastic structures. *Meccanica*, **2017**, 52, 3061-3085 | 2.1 | 2 |
| 15 | Advances in stability, bifurcations and nonlinear vibrations in mechanical systems. *Nonlinear Dynamics*, **2021**, 103, 2993-2995 | 5 | 2 |
| 14 | A Minimal GBT Model for Distortional-Twist Elastic Analysis of Box-Girder Bridges. *Applied Sciences (Switzerland)*, **2021**, 11, 2501 | 2.6 | 2 |
| 13 | Nonlinear Dynamics of an Internally Resonant Base-Isolated Beam under Turbulent Wind Flow. *Applied Sciences (Switzerland)*, **2021**, 11, 3213 | 2.6 | 2 |
| 12 | Static Response of Double-Layered Pipes via a Perturbation Approach. *Applied Sciences (Switzerland)*, **2021**, 11, 886 | 2.6 | 2 |
| 11 | On the Use of the Multiple Scale Harmonic Balance Method for Nonlinear Energy Sinks Controlled Systems. *Springer Proceedings in Physics*, **2015**, 235-260 | 0.2 | 1 |
| 10 | Nonlinear dynamics, identification and monitoring of structures: a special issue dedicated to the memory of Francesco Benedettini. *Meccanica*, **2016**, 51, 2535-2540 | 2.1 | 1 |

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| 9 | Nonlinear dynamics of a base-isolated beam under turbulent wind flow. *Nonlinear Dynamics*,1 | 5 | 1 |
| 8 | Dynamic response to transverse loading of a single-layered tubular beam via a perturbation approach. *International Journal of Non-Linear Mechanics*, **2021**, 137, 103822 | 2.8 | 1 |
| 7 | A paradigmatic system for non-classic interactive buckling. *International Journal of Non-Linear Mechanics*, **2021**, 134, 103735 | 2.8 | 1 |
| 6 | Discussion of Free Vibration of Parabolic Cables by Anestis S. Veletsos and George R. Darbre (February, 1983). *Journal of Structural Engineering*, **1984**, 110, 1430-1431 | 3 | 0 |
| 5 | Stick-slip and wear phenomena at the contact interface between an elastic beam and a rigid substrate. *Mathematics and Mechanics of Solids*, **2021**, 26, 843-860 | 2.3 | 0 |
| 4 | Statics, Dynamics, Buckling and Aeroelastic Stability of Planar Cellular Beams **2021**, 143-165 | | |
| 3 | Solution to the Problem of a Mass Traveling on a Taut String via Integral Equation. *Advances in Mathematical Physics*, **2019**, 2019, 1-9 | 1.1 | |
| 2 | Preface to the special issue NODYCON 2019 *Nonlinear Dynamics*, **2019**, 98, 2427-2434 | 5 | |
| 1 | Dynamics and Stability: From an Ancillary to a Leading Role in the History of AIMETA **2022**, 179-193 | | |