Stefano Lenci

List of Publications by Citations

260 papers	**3,999** citations	**34** h-index	**48** g-index
293 ext. papers	**4,543** ext. citations	**3** avg, IF	**6.2** L-index

#	Paper	IF	Citations
260	The influence of natural stabilizers and natural fibres on the mechanical properties of ancient Roman adobe bricks. *Journal of Cultural Heritage*, **2010**, 11, 309-314	2.9	102
259	Mathematical Analysis of a Bonded Joint with a Soft Thin Adhesive. *Mathematics and Mechanics of Solids*, **1999**, 4, 201-225	2.3	102
258	Assessment of seismic behaviour of heritage masonry buildings using numerical modelling. *Journal of Building Engineering*, **2016**, 8, 29-47	5.2	99
257	Experimental analysis and modelling of the mechanical behaviour of earthen bricks. *Construction and Building Materials*, **2011**, 25, 2067-2075	6.7	83
256	Control of pull-in dynamics in a nonlinear thermoelastic electrically actuated microbeam. *Journal of Micromechanics and Microengineering*, **2006**, 16, 390-401	2	80
255	Numerical model upgrading of a historical masonry building damaged during the 2016 Italian earthquakes: the case study of the Podestà palace in Montelupone (Italy). *Journal of Civil Structural Health Monitoring*, **2017**, 7, 703-717	2.9	77
254	Identifying, evaluating, and controlling dynamical integrity measures in non-linear mechanical oscillators. *Nonlinear Analysis: Theory, Methods & Applications*, **2005**, 63, 902-914	1.3	77
253	Simple analytical models for the J-lay problem. *Acta Mechanica*, **2005**, 178, 23-39	2.1	75
252	Rotating solutions and stability of parametric pendulum by perturbation method. *Journal of Sound and Vibration*, **2008**, 310, 243-259	3.9	72
251	Dynamical Integrity and Control of Nonlinear Mechanical Oscillators. *JVC/Journal of Vibration and Control*, **2008**, 14, 159-179	2	57
250	Nonlinear dynamics of an electrically actuated imperfect microbeam resonator: experimental investigation and reduced-order modeling. *Journal of Micromechanics and Microengineering*, **2013**, 23, 075012	2	56
249	Optimal Control of Nonregular Dynamics in a Duffing Oscillator. *Nonlinear Dynamics*, **2003**, 33, 71-86	5	56
248	Periodic solutions and bifurcations in an impact inverted pendulum under impulsive excitation. *Chaos, Solitons and Fractals*, **2000**, 11, 2453-2472	9.3	56
247	Seismic Assessment of a Monumental Building through Nonlinear Analyses of a 3D Solid Model. *Journal of Earthquake Engineering*, **2018**, 22, 35-61	1.8	54
246	Dynamic interactions between parametric pendulum and electro-dynamical shaker. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2007**, 87, 172-186	1	52
245	Chaotic vibrations of the duffing system with fractional damping. *Chaos*, **2014**, 24, 013107	3.3	51
244	Tensile characterization of basalt fiber rods and ropes: A first contribution. *Construction and Building Materials*, **2012**, 34, 372-380	6.7	51

243	Optimal Control of Homoclinic Bifurcation: Theoretical Treatment and Practical Reduction of Safe Basin Erosion in the Helmholtz Oscillator. *JVC/Journal of Vibration and Control*, **2003**, 9, 281-315	2	48
242	Seismic performance of precast reinforced concrete buildings with dowel pin connections. *Journal of Building Engineering*, **2016**, 7, 224-238	5.2	48
241	Experimental versus theoretical robustness of rotating solutions in a parametrically excited pendulum: A dynamical integrity perspective. *Physica D: Nonlinear Phenomena*, **2011**, 240, 814-824	3.3	47
240	Global dynamics and integrity of a two-dof model of a parametrically excited cylindrical shell. *Nonlinear Dynamics*, **2011**, 63, 61-82	5	45
239	Numerical model upgrading of a historical masonry palace monitored with a wireless sensor network. *International Journal of Masonry Research and Innovation*, **2016**, 1, 74	1.2	44
238	Analysis of a crack at a weak interface. *International Journal of Fracture*, **2001**, 108, 275-290	2.3	43
237	Damage assessment of ancient masonry churches stroked by the Central Italy earthquakes of 2016 by the non-smooth contact dynamics method. *Bulletin of Earthquake Engineering*, **2020**, 18, 455-486	3.7	43
236	An innovative building envelope (kinetic façade) with Shape Memory Alloys used as actuators and sensors. *Automation in Construction*, **2018**, 85, 220-231	9.6	40
235	Comparative fragility methods for seismic assessment of masonry buildings located in Muccia (Italy). *Journal of Building Engineering*, **2019**, 25, 100813	5.2	39
234	Mechanical properties of adobe walls in a Roman Republican domus at Suasa. *Journal of Cultural Heritage*, **2010**, 11, 130-137	2.9	39
233	Cultural Heritage and Earthquake: The Case Study of Santa Maria Della Carità in Ascoli Piceno. *Open Civil Engineering Journal*, **2017**, 11, 1079-1105	0.8	39
232	A Procedure for Reducing the Chaotic Response Region in an Impact Mechanical System. *Nonlinear Dynamics*, **1998**, 15, 391-409	5	38
231	Global optimal control and system-dependent solutions in the hardening Helmholtz-Duffing oscillator. *Chaos, Solitons and Fractals*, **2004**, 21, 1031-1046	9.3	38
230	Post-World War II Italian school buildings: typical and specific seismic vulnerabilities. *Journal of Building Engineering*, **2015**, 4, 152-166	5.2	37
229	An electrically actuated imperfect microbeam: Dynamical integrity for interpreting and predicting the device response. *Meccanica*, **2013**, 48, 1761-1775	2.1	37
228	Basalt fiber ropes and rods: Durability tests for their use in building engineering. *Journal of Building Engineering*, **2016**, 5, 142-150	5.2	34
227	AN IMPERFECT MICROBEAM UNDER AN AXIAL LOAD AND ELECTRIC EXCITATION: NONLINEAR PHENOMENA AND DYNAMICAL INTEGRITY. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350026	2	34
226	A unified control framework of the non-regular dynamics of mechanical oscillators. *Journal of Sound and Vibration*, **2004**, 278, 1051-1080	3.9	34

225	A comprehensive analysis of hardening/softening behaviour of shearable planar beams with whatever axial boundary constraint. *Meccanica*, **2016**, 51, 2589-2606	2.1	33
224	Simple formulas for the natural frequencies of non-uniform cables and beams. *International Journal of Mechanical Sciences*, **2013**, 77, 155-163	5.5	33
223	Dynamical characteristics of an electrically actuated microbeam under the effects of squeeze-film and thermoelastic damping. *International Journal of Engineering Science*, **2013**, 69, 16-32	5.7	33
222	HETEROCLINIC BIFURCATIONS AND OPTIMAL CONTROL IN THE NONLINEAR ROCKING DYNAMICS OF GENERIC AND SLENDER RIGID BLOCKS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2005**, 15, 1901-1918	2	32
221	Energy harvesting from a magnetic levitation system. *International Journal of Non-Linear Mechanics*, **2017**, 94, 200-206	2.8	30
220	Effects of shear stiffness, rotatory and axial inertia, and interface stiffness on free vibrations of a two-layer beam. *Journal of Sound and Vibration*, **2012**, 331, 5247-5267	3.9	30
219	Controlling Nonlinear Dynamics in a Two-Well Impact System.. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **1998**, 08, 2387-2407	2	30
218	Competing Dynamic Solutions in a Parametrically Excited Pendulum: Attractor Robustness and Basin Integrity. *Journal of Computational and Nonlinear Dynamics*, **2008**, 3,	1.4	29
217	NONLINEAR PHENOMENA IN THE SINGLE-MODE DYNAMICS OF A CABLE-SUPPORTED BEAM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 923-945	2	28
216	Experimental Rotations of a Pendulum on Water Waves. *Journal of Computational and Nonlinear Dynamics*, **2012**, 7,	1.4	28
215	A Global Dynamics Perspective for System Safety From Macro- to Nanomechanics: Analysis, Control, and Design Engineering. *Applied Mechanics Reviews*, **2015**, 67,	8.6	27
214	A dynamical systems approach to the overturning of rocking blocks. *Chaos, Solitons and Fractals*, **2006**, 28, 527-542	9.3	27
213	An efficient parallel implementation of cell mapping methods for MDOF systems. *Nonlinear Dynamics*, **2016**, 86, 2279-2290	5	26
212	Dynamics and failure mechanisms of ancient masonry churches subjected to seismic actions by using the NSCD method: The case of the medieval church of S. Maria in Portuno. *Engineering Structures*, **2013**, 56, 1527-1546	4.7	26
211	An Efficient Reduced-Order Model to Investigate the Behavior of an Imperfect Microbeam Under Axial Load and Electric Excitation. *Journal of Computational and Nonlinear Dynamics*, **2013**, 8,	1.4	26
210	Damage detection in a precast structure subjected to an earthquake: A numerical approach. *Engineering Structures*, **2016**, 127, 447-458	4.7	24
209	Experimental determination of the fracture properties of unfired dry earth. *Engineering Fracture Mechanics*, **2012**, 87, 62-72	4.2	24
208	Load carrying capacity of systems within a global safety perspective. Part II. Attractor/basin integrity under dynamic excitations. *International Journal of Non-Linear Mechanics*, **2011**, 46, 1240-1251	2.8	24

207	Homoclinic and heteroclinic bifurcations in the non-linear dynamics of a beam resting on an elastic substrate. *International Journal of Non-Linear Mechanics*, **1999**, 34, 615-632	2.8	24
206	Axial-transversal coupling in the free nonlinear vibrations of Timoshenko beams with arbitrary slenderness and axial boundary conditions. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2016**, 472, 20160057	2.4	23
205	Discontinuous approaches for nonlinear dynamic analyses of an ancient masonry tower. *Engineering Structures*, **2021**, 230, 111626	4.7	23
204	Nonlinear free dynamics of a two-layer composite beam with different boundary conditions. *Meccanica*, **2015**, 50, 675-688	2.1	22
203	The dynamical integrity concept for interpreting/ predicting experimental behaviour: from macro- to nano-mechanics. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120423	3	22
202	Optimal numerical control of single-well to cross-well chaos transition in mechanical systems. *Chaos, Solitons and Fractals*, **2003**, 15, 173-186	9.3	22
201	APPROXIMATE ROTATIONAL SOLUTIONS OF PENDULUM UNDER COMBINED VERTICAL AND HORIZONTAL EXCITATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250100	2	21
200	Iconic crumbling of the clock tower in Amatrice after 2016 central Italy seismic sequence: advanced numerical insight. *Procedia Structural Integrity*, **2018**, 11, 314-321	1	21
199	Tracking modal parameters evolution of a school building during retrofitting works. *Bulletin of Earthquake Engineering*, **2019**, 17, 1029-1052	3.7	20
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197	Non-linear dynamics of a mechanical system with a frictional unilateral constraint. *International Journal of Non-Linear Mechanics*, **2009**, 44, 658-674	2.8	20
196	Multistability in an electrically actuated carbon nanotube: a dynamical integrity perspective. *Nonlinear Dynamics*, **2013**, 74, 533-549	5	19
195	Noise Effected Energy Harvesting in a Beam with Stopper. *International Journal of Structural Stability and Dynamics*, **2014**, 14, 1440020	1.9	19
194	Fracture Characteristics of Unfired Earth. *International Journal of Fracture*, **2008**, 149, 193-198	2.3	19
193	Damage Assessment by Numerical Modeling of Sant'Agostino's Sanctuary in Offida During the Central Italy 2016⬚2017 Seismic Sequence. *Frontiers in Built Environment*, **2019**, 4,	2.2	19
192	Nonlinear vibrations of non-uniform beams by the MTS asymptotic expansion method. *Continuum Mechanics and Thermodynamics*, **2015**, 27, 703-717	3.5	18
191	On the experimental determination of dynamical properties of laminated glass. *Annals of Solid and Structural Mechanics*, **2015**, 7, 27-43	0.5	18
190	A Genetic Algorithm Procedure for the Automatic Updating of FEM Based on Ambient Vibration Tests. *Sensors*, **2020**, 20,	3.8	17

189	Seamless variation of isometric and anisometric dynamical integrity measures in basins erosion. *Communications in Nonlinear Science and Numerical Simulation*, **2018**, 56, 499-507	3.7	17
188	Proof of concept of the structural health monitoring of framed structures by a novel combined experimental and theoretical approach. *Structural Control and Health Monitoring*, **2016**, 23, 802-824	4.5	17
187	Modeling and Analysis of an Electrically Actuated Microbeam Based on Nonclassical Beam Theory. *Journal of Computational and Nonlinear Dynamics*, **2014**, 9,	1.4	17
186	An Experimental Study On Damage Evolution of Unfired Dry Earth Under Compression. *International Journal of Fracture*, **2011**, 172, 193-200	2.3	17
185	An overview of different asymptotic models for anisotropic three-layer plates with soft adhesive. *International Journal of Solids and Structures*, **2016**, 81, 130-140	3.1	17
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183	Seismic vulnerability of ancient stone arches by using a numerical model based on the Non-Smooth Contact Dynamics method. *Engineering Structures*, **2016**, 119, 110-121	4.7	17
182	On the notion of curvature and its mechanical meaning in a geometrically exact plane beam theory. *International Journal of Mechanical Sciences*, **2017**, 128-129, 277-293	5.5	16
181	Comparing Nonlinear Free Vibrations of Timoshenko Beams with Mechanical or Geometric Curvature Definition. *Procedia IUTAM*, **2017**, 20, 34-41		16
180	Flood impact on masonry buildings: The effect of flow characteristics and incidence angle. *Journal of Fluids and Structures*, **2019**, 88, 48-70	3.1	16
179	Theoretical prediction of experimental jump and pull-in dynamics in a MEMS sensor. *Sensors*, **2014**, 14, 17089-111	3.8	16
178	Load carrying capacity of systems within a global safety perspective. Part I. Robustness of stable equilibria under imperfections. *International Journal of Non-Linear Mechanics*, **2011**, 46, 1232-1239	2.8	16
177	Analysis of interfaces of variable stiffness. *International Journal of Solids and Structures*, **2000**, 37, 3619-3632		16
176	Asymptotic modelling of the linear dynamics of laminated beams. *International Journal of Solids and Structures*, **2012**, 49, 1147-1157	3.1	15
175	An asymptotic model for the free vibrations of a two-layer beam. *European Journal of Mechanics, A/Solids*, **2013**, 42, 441-453	3.7	15
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173	Regular Nonlinear Dynamics and Bifurcations of an Impacting System under General Periodic Excitation. *Nonlinear Dynamics*, **2003**, 34, 249-268	5	15
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171	1:1 internal resonance in a two d.o.f. complete system: a comprehensive analysis and its possible exploitation for design. *Meccanica*, **2020**, 55, 1309-1332	2.1	15
170	Nonlinear dynamics of a planar beam–spring system: analytical and numerical approaches. *Nonlinear Dynamics*, **2018**, 94, 1721-1738	5	15
169	Cross-checking asymptotics and numerics in the hardening/softening behaviour of Timoshenko beams with axial end spring and variable slenderness. *Archive of Applied Mechanics*, **2017**, 87, 865-880	2.2	14
168	Controlling practical stability and safety of mechanical systems by exploiting chaos properties. *Chaos*, **2012**, 22, 047502	3.3	14
167	Dimension reduction of homoclinic orbits of buckled beams via the non-linear normal modes technique. *International Journal of Non-Linear Mechanics*, **2007**, 42, 515-528	2.8	14
166	Forced nonlinear oscillations of semi-infinite cables and beams resting on a unilateral elastic substrate. *Nonlinear Dynamics*, **2007**, 49, 203-215	5	14
165	Limit models in the analysis of three different layered elastic strips. *European Journal of Mechanics, A/Solids*, **2008**, 27, 247-268	3.7	14
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163	Vibration frequency analysis of an electrically-actuated microbeam resonator accounting for thermoelastic coupling effects. *International Journal of Dynamics and Control*, **2015**, 3, 157-172	1.7	13
162	Dry Masonry Strenghtening through Basalt Fibre Ropes: Experimental Results against Out-of-Plane Actions. *Key Engineering Materials*, **2014**, 624, 584-594	0.4	13
161	Dynamics of a semi-infinite beam on unilateral springs: Touch-down points motion and detached bubbles propagation. *International Journal of Non-Linear Mechanics*, **2010**, 45, 876-887	2.8	13
160	Forced Nonlinear Oscillations of a Semi-Infinite Beam Resting on a Unilateral Elastic Soil: Analytical and Numerical Solutions. *Journal of Computational and Nonlinear Dynamics*, **2007**, 2, 155-166	1.4	13
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158	Dynamics of windscreen wiper blades: Squeal noise, reversal noise and chattering. *International Journal of Non-Linear Mechanics*, **2016**, 80, 132-143	2.8	12
157	On the synchronization of chains of nonlinear pendula connected by linear springs. *European Physical Journal: Special Topics*, **2014**, 223, 729-756	2.3	12
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155	Yield design of bonded joints. *European Journal of Mechanics, A/Solids*, **2000**, 19, 649-667	3.7	12
154	Longitudinal–transversal internal resonances in Timoshenko beams with an axial elastic boundary condition. *Nonlinear Dynamics*, **2021**, 103, 3489-3513	5	12

153	Revealing compactness of basins of attraction of multi-DoF dynamical systems. *Mechanical Systems and Signal Processing*, **2018**, 111, 348-361	7.8	11
152	Historical plasters on light thin vaults: State of conservation assessment by a Hybrid ultrasonic method. *Journal of Cultural Heritage*, **2014**, 15, 104-111	2.9	11
151	Control of the homoclinic bifurcation in buckled beams: Infinite dimensional vs reduced order modeling. *International Journal of Non-Linear Mechanics*, **2008**, 43, 474-489	2.8	11
150	Higher-order Melnikov functions for single-DOF mechanical oscillators: theoretical treatment and applications. *Mathematical Problems in Engineering*, **2004**, 2004, 145-168	1.1	11
149	NUMERICAL CONTROL OF IMPACT DYNAMICS OF INVERTED PENDULUM THROUGH OPTIMAL FEEDBACK STRATEGIES. *Journal of Sound and Vibration*, **2000**, 236, 505-527	3.9	11
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147	Influence of transient escape and added load noise on the dynamic integrity of multistable systems. *International Journal of Non-Linear Mechanics*, **2019**, 109, 140-154	2.8	11
146	Influence of symmetries and imperfections on the non-linear vibration modes of archetypal structural systems. *International Journal of Non-Linear Mechanics*, **2013**, 49, 175-195	2.8	10
145	Improving the Global Analysis of Mechanical Systems via Parallel Computation of Basins of Attraction. *Procedia IUTAM*, **2017**, 22, 192-199		10
144	On the Suppression of Chaos by Means of Bounded Excitations in an Inverted Pendulum. *SIAM Journal on Applied Mathematics*, **1998**, 58, 1116-1127	1.8	10
143	Nonlinear dynamics and sensitivity to imperfections in Augusti model. *Journal of Mechanics of Materials and Structures*, **2011**, 6, 1065-1078	1.2	10
142	The Influence of Dowel-Pin Connections on the Seismic Fragility Assessment of RC Precast Industrial Buildings. *Open Civil Engineering Journal*, **2017**, 11, 1138-1157	0.8	10
141	Seismic behavior of an Italian Renaissance Sanctuary: Damage assessment by numerical modelling **2016**,		10
140	Carbon nanofibers in polyurethane foams: Experimental evaluation of thermo-hygrometric and mechanical performance. *Polymer Testing*, **2018**, 67, 234-245	4.5	9
139	Parameter identification of an electrically actuated imperfect microbeam. *International Journal of Non-Linear Mechanics*, **2013**, 57, 208-219	2.8	9
138	Free and forced nonlinear oscillations of a two-layer composite beam with interface slip. *Nonlinear Dynamics*, **2012**, 70, 2071-2087	5	9
137	On the damage of frescoes and stuccoes on the lower surface of historical flat suspended light vaults. *Journal of Cultural Heritage*, **2012**, 13, 293-303	2.9	9
136	Forced Harmonic Vibration in a Duffing Oscillator with Negative Linear Stiffness and Linear Viscous Damping **2011**, 219-276		9

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134	Second-order solutions for the dynamics of a semi-infinite cable on a unilateral substrate. *Journal of Sound and Vibration*, **2008**, 315, 414-432	3.9	9
133	Optimal control and anti-control of the nonlinear dynamics of a rigid block. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2006**, 364, 2353-81	3	9
132	Aftershock fragility assessment of Italian cast-in-place RC industrial structures with precast vaults. *Journal of Building Engineering*, **2020**, 29, 101206	5.2	9
131	Nonlinear vibrations of an extensional beam with tip mass in slewing motion. *Meccanica*, **2020**, 55, 2311-2335	2.1	9
130	Chaos in one-dimensional structural mechanics. *Nonlinear Dynamics*, **2020**, 102, 785-834	5	9
129	Asynchronous modes of vibrations in linear conservative systems: an illustrative discussion of plane framed structures. *Meccanica*, **2017**, 52, 3131-3147	2.1	8
128	Consequences of different definitions of bending curvature on nonlinear dynamics of beams. *Procedia Engineering*, **2017**, 199, 1411-1416		8
127	Hardening vs. softening dichotomy of a hinged-simply supported beam with one end axial linear spring: Experimental and numerical studies. *International Journal of Mechanical Sciences*, **2020**, 178, 105588	5.5	8
126	Experimental Analysis of Romanesque Masonries Made by Tile and Brick Fragments Found at the Archaeological Site of S. Maria in Portuno. *International Journal of Architectural Heritage*, **2014**, 8, 161-184	2.1	8
125	Influence of the mechanics of escape on the instability of von Mises truss and its control. *Procedia Engineering*, **2017**, 199, 778-783		8
124	One-year monitoring of a reinforced concrete school building: Evolution of dynamic behavior during retrofitting works. *Procedia Engineering*, **2017**, 199, 2238-2243		8
123	A Novel and Sustainable Application of Basalt Fibers for Strengthening Unreinforced Masonry Walls. *Journal of Natural Fibers*, **2017**, 14, 97-111	1.8	8
122	Dynamical Integrity for Interpreting Experimental Data and Ensuring Safety in Electrostatic MEMS **2013**, 249-261		8
121	On a model for the pedestrians-induced lateral vibrations of footbridges. *Meccanica*, **2010**, 45, 531-551	2.1	8
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119	Global dynamics and integrity of a micro-plate pressure sensor. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 69, 432-444	3.7	8
118	Flexible repointing of historical facing-masonry column-type specimens with basalt fibers: A first insight. *Journal of Cultural Heritage*, **2017**, 24, 165-170	2.9	7

117	Asynchronous free oscillations of linear mechanical systems: A general appraisal and a digression on a column with a follower force. *International Journal of Non-Linear Mechanics*, **2017**, 94, 223-234	2.8	7
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115	A comparison of different semi-analytical techniques to determine the nonlinear oscillations of a slender microbeam. *Meccanica*, **2014**, 49, 1821-1831	2.1	7
114	Relationship between fracture toughness and porosity of clay brick panels used in ventilated faÃ§des: Initial investigation. *Engineering Fracture Mechanics*, **2014**, 116, 108-121	4.2	7
113	Identification and calibration of the structural model of historical masonry building damaged during the 2016 Italian earthquakes: The case study of Palazzo del PodestÃ in Montelupone **2017**,		7
112	Controlling Nonlinear Dynamics of Systems Liable to Unstable Interactive Buckling. *Procedia IUTAM*, **2012**, 5, 108-123		7
111	Nonlinear resonances in infinitely long 1D continua on a tensionless substrate. *Nonlinear Dynamics*, **2011**, 66, 271-284	5	7
110	Controlling Nonlinear Dynamics in a Two-Well Impact System.. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **1998**, 08, 2409-2424	2	7
109	Nondestructive Evaluation of Plasters on Historical Thin Vaults by Scanning Laser Doppler Vibrometers. *Research in Nondestructive Evaluation*, **2014**, 25, 218-234	0.9	6
108	Vibration-Based SHM of Ordinary Buildings: Detection and Quantification of Structural Damage **2015**,		6
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105	Stability Boundaries of Period-1 Rotation for a Pendulum Under Combined Vertical and Horizontal Excitation. *Journal of Applied Nonlinear Dynamics*, **2013**, 2, 103-126	2	6
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102	An experimental and numerical study on the in-plane axial and shear behavior of sprayed in-situ concrete sandwich panels. *Engineering Structures*, **2021**, 232, 111814	4.7	6
101	Analytical Control of Homoclinic Bifurcation of the Hilltop Saddle in a Noncontact Atomic Force Microcantilever. *Procedia IUTAM*, **2016**, 19, 19-26		6
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96	A More Sustainable Way for Producing RC Sandwich Panels On-Site and in Developing Countries. *Sustainability*, **2017**, 9, 472	3.6	5
95	Increasing Practical Safety of Von Mises Truss via Control of Dynamic Escape. *Applied Mechanics and Materials*, **2016**, 849, 46-56	0.3	5
94	RECENT ADVANCES IN CONTROL OF COMPLEX DYNAMICS IN MECHANICAL AND STRUCTURAL SYSTEMS. *Series on Stability, Vibration and Control of Systems - Series B*, **2010**, 189-237		5
93	Bonded Joints with Nonhomogeneous Adhesives. *Journal of Elasticity*, **1998**, 53, 23-35	1.5	5
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91	A LIMIT MODEL IN THE ANALYSIS OF STEEL-CONCRETE BEAMS. *Mathematical Models and Methods in Applied Sciences*, **2000**, 10, 1233-1250	3.5	5
90	Influence of the Shear-Bending Interaction on the Global Capacity of Reinforced Concrete Frames. *Advances in Civil and Industrial Engineering Book Series*, 84-111	0.5	5
89	A detailed study of the parametric excitation of a vertical heavy rod using the method of multiple scales. *Meccanica*, **2020**, 55, 2423-2437	2.1	5
88	Influence of Geometric Nonlinearities on the Asynchronous Modes of an Articulated Prestressed Slender Structure. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2019**, 141,	1.6	5
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85	Nonlinear vibrations of a multi-span continuous beam subject to periodic impact excitation. *Meccanica*, **2015**, 50, 1227-1237	2.1	4
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