Marcelo A Savi

List of Publications by Year
in descending order

156 papers	3,623 citations	147566 31 h-index	174990 52 g-index
160 all docs	160 docs citations	160 times ranked	2057 citing authors

#	Article	IF	Citations
1	An investigation of synchronization robustness considering randomness and asymmetries. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 2477-2496.	0.4	0
2	Star-shaped piezoelectric mechanical energy harvesters for multidirectional sources. International Journal of Mechanical Sciences, 2022, 215, 106962.	3.6	28
3	A dynamical map to describe COVID-19 epidemics. European Physical Journal: Special Topics, 2022, 231, 893-904.	1.2	5
4	Biochaos in cardiac rhythms. European Physical Journal: Special Topics, 2022, 231, 833-845.	1.2	4
5	Nonlinear Mechanics of a Smart Biotensegrity Human Foot Prosthesis. International Journal of Applied Mechanics, 2022, 14, .	1.3	5
6	Complex bio rhythms. European Physical Journal: Special Topics, 2022, 231, 815-818.	1.2	3
7	An overview of the mechanical description of origami-inspired systems and structures. International Journal of Mechanical Sciences, 2022, 223, 107316.	3.6	47
8	A Novel Micromechanical Model Based on the Rule of Mixtures to Estimate Effective Elastic Properties of Circular Fiber Composites. Applied Composite Materials, 2022, 29, 1715-1731.	1.3	6
9	A parametric analysis of the nonlinear dynamics of bistable vibration-based piezoelectric energy harvesters. Journal of Intelligent Material Systems and Structures, 2021, 32, 699-723.	1.4	15
10	Fatigue on shape memory alloys: Experimental observations and constitutive modeling. International Journal of Solids and Structures, 2021, 213, 1-24.	1.3	24
11	Synergistic use of piezoelectric and shape memory alloy elements for vibration-based energy harvesting. International Journal of Mechanical Sciences, 2021, 194, 106206.	3.6	21
12	COVID-19 dynamics considering the influence of hospital infrastructure: an investigation into Brazilian scenarios. Nonlinear Dynamics, 2021, 106, 1-22.	2.7	7
13	Reduced-Order Model Description of Origami Stent Built with Waterbomb Pattern. International Journal of Applied Mechanics, 2021, 13, 2150016.	1.3	5
14	Uncertainty analysis of heart dynamics using Random Matrix Theory. International Journal of Non-Linear Mechanics, 2021, 129, 103653.	1.4	4
15	Multimodal pizza-shaped piezoelectric vibration-based energy harvesters. Journal of Intelligent Material Systems and Structures, 2021, 32, 2505-2528.	1.4	16
16	Trace theory applied to composite analysis: A comparison with micromechanical models. Composites Communications, 2021, 25, 100715.	3.3	16
17	On the symmetries of the origami waterbomb pattern: kinematics and mechanical investigations. Meccanica, 2021, 56, 2575-2598.	1.2	7
18	Shape memory alloy couplers applied for torsional vibration attenuation of drill-string systems. Journal of Petroleum Science and Engineering, 2021, 202, 108546.	2.1	5

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19	Heart rhythm analysis using a nonlinear dynamics perspective. Applied Mathematical Modelling, 2021, 96, 152-176.	2.2	12
20	Numerical Investigations of Shape Memory Alloy Fatigue. Metals, 2021, 11, 1558.	1.0	2
21	A macroscopic description of shape memory alloy functional fatigue. International Journal of Mechanical Sciences, 2020, 170, 105345.	3.6	28
22	Synchronization and chimera state in a mechanical system. Nonlinear Dynamics, 2020, 102, 907-925.	2.7	9
23	Multiscale approach to predict strength of notched composite plates. Composite Structures, 2020, 253, 112827.	3.1	16
24	Random effects inducing heart pathological dynamics: An approach based on mathematical models. BioSystems, 2020, 196, 104177.	0.9	8
25	A Mathematical Description of the Dynamics of Coronavirus Disease 2019 (COVID-19): A Case Study of Brazil. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-8.	0.7	24
26	Estimating Lyapunov spectrum on shape-memory alloy oscillators considering cloned dynamics and tangent map methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	2
27	Complex dynamics of multi-regional economic interactions. Nonlinear Dynamics, 2020, 102, 1151-1171.	2.7	1
28	Chaos in impact oscillators not in vain: Dynamics of new mass excited oscillator. Nonlinear Dynamics, 2020, 102, 835-861.	2.7	23
29	Micromechanical analysis of transversal strength of composite laminae. Composite Structures, 2020, 250, 112546.	3.1	24
30	A comparison of different approaches to detect the transitions from regular to chaotic motions in SMA oscillator. Meccanica, 2020, 55, 1295-1308.	1.2	4
31	Micromechanical analysis of longitudinal and shear strength of composite laminae. Journal of Composite Materials, 2020, 54, 4853-4873.	1.2	16
32	Nonlinear dynamics of an autonomous robot with deformable origami wheels. International Journal of Non-Linear Mechanics, 2020, 125, 103533.	1.4	20
33	Nonlinear dynamics of earthquake-resistant structures using shape memory alloy composites. Journal of Intelligent Material Systems and Structures, 2020, 31, 771-787.	1.4	9
34	Comparative analysis of micromechanical models for the elastic composite laminae. Composites Part B: Engineering, 2019, 174, 106961.	5.9	53
35	Nonlinear dynamics of an origami wheel with shape memory alloy actuators. Chaos, Solitons and Fractals, 2019, 122, 245-261.	2.5	24
36	Random Effects in a Nonlinear Vibration-Based Piezoelectric Energy Harvesting System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950046.	0.7	13

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37	Piezoelectric Vibration-Based Energy Harvesting Enhancement Exploiting Nonsmoothness. Actuators, 2019, 8, 25.	1.2	10
38	Chaos control of a shape memory alloy structure using thermal constrained actuation. International Journal of Non-Linear Mechanics, 2019, 111, 106-118.	1.4	14
39	Drill-string vibration analysis considering an axial-torsional-lateral nonsmooth model. Journal of Sound and Vibration, 2019, 438, 220-237.	2.1	55
40	A phenomenological description of shape memory alloy transformation induced plasticity. Meccanica, 2018, 53, 2503-2523.	1.2	12
41	Vibration control of a flexible rotor suspended by shape memory alloy wires. Journal of Intelligent Material Systems and Structures, 2018, 29, 2309-2323.	1.4	18
42	Shape memory alloy-based mechanism for aeronautical application: Theory, optimization and experiment. Aerospace Science and Technology, 2018, 76, 155-163.	2.5	50
43	Chaos control of an SMA–pendulum system using thermal actuation with extended time-delayed feedback approach. Nonlinear Dynamics, 2018, 93, 571-583.	2.7	12
44	Aero-structural optimization of shape memory alloy-based wing morphing via a class/shape transformation approach. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 2745-2759.	0.7	14
45	Multiscale Failure Analysis of Cylindrical Composite Pressure Vessel: A Parametric Study. Latin American Journal of Solids and Structures, 2018, 15, .	0.6	16
46	Phenomenological modeling of the thermo-magneto-mechanical behavior of magnetic shape memory alloys. Journal of Intelligent Material Systems and Structures, 2018, 29, 3696-3709.	1.4	1
47	Numerical investigation of nonlinear mechanical and constitutive effects on piezoelectric vibration-based energy harvesting. TM Technisches Messen, 2018, 85, 565-579.	0.3	4
48	Experimental bifurcation control of a parametric pendulum. JVC/Journal of Vibration and Control, 2017, 23, 2256-2268.	1.5	14
49	Nonlinear dynamics of an adaptive origami-stent system. International Journal of Mechanical Sciences, 2017, 133, 303-318.	3.6	31
50	Geometrically non€linear elastic model for a thin composite layer with wavy surfaces. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 1381-1392.	0.9	3
51	Using 0–1 test to diagnose chaos on shape memory alloy dynamical systems. Chaos, Solitons and Fractals, 2017, 103, 307-324.	2.5	35
52	A comparative analysis of different shape memory alloy actuator configurations. Journal of Intelligent Material Systems and Structures, 2017, 28, 1415-1427.	1.4	7
53	Nonlinear dynamics of an SMA-pendulum system. Nonlinear Dynamics, 2017, 87, 1617-1627.	2.7	8
54	Nonlinear Dynamics and Chaos of a Nonsmooth Rotor-Stator System. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	3

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55	Dynamical Behavior of a Pseudoelastic Vibration Absorber Using Shape Memory Alloys. Shock and Vibration, 2017, 2017, 1-11.	0.3	3
56	Recurrence analysis of regular and chaotic motions of a superelastic shape memory oscillator. ITM Web of Conferences, 2017, 15, 05013.	0.4	2
57	ENERGY HARVESTING IN A NONLINEAR SYSTEM UNDER HARMONIC AND RANDOM EXCITATIONS. , 2017, , .		0
58	A three-dimensional description of shape memory alloy thermomechanical behavior including plasticity. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1451-1472.	0.8	16
59	Asymptotic Analysis of Fiber-Reinforced Composites of Hexagonal Structure. Journal of Multiscale Modeling, 2016, 07, 1650006.	1.0	9
60	Shape Memory Alloys. , 2016, , 155-188.		13
61	Continuum Mechanics. , 2016, , 7-40.		0
62	Nonlinear Dynamics and Chaos. , 2016, , 93-117.		4
63	Modelling, characterisation and uncertainties of stabilised pseudoelastic shape memory alloy helical springs. Journal of Intelligent Material Systems and Structures, 2016, 27, 2721-2743.	1.4	26
64	Design and Modeling Shape Memory Actuator for Offshore Applications. , 2015, , .		0
65	On the Nonlinear Behavior of the Piezoelectric Coupling on Vibration-Based Energy Harvesters. Shock and Vibration, 2015, 2015, 1-15.	0.3	10
66	Analysis of Magneto-Piezoelastic Anisotropic Materials. Metals, 2015, 5, 863-880.	1.0	2
67	Nonlinear geometric influence on the mechanical behavior of shape memory alloy helical springs. Smart Materials and Structures, 2015, 24, 035012.	1.8	39
68	State space reconstruction applied to a multiparameter chaos control method. Meccanica, 2015, 50, 207-216.	1.2	4
69	Synergistic use of smart materials for vibration-based energy harvesting. European Physical Journal: Special Topics, 2015, 224, 3005-3021.	1.2	7
70	Chaos control applied to piezoelectric vibration-based energy harvesting systems. European Physical Journal: Special Topics, 2015, 224, 2787-2801.	1.2	18
71	Energy harvesting in a nonlinear piezomagnetoelastic beam subjected to random excitation. Mechanical Systems and Signal Processing, 2015, 54-55, 405-416.	4.4	79
72	Nonlinear dynamics and chaos in shape memory alloy systems. International Journal of Non-Linear Mechanics, 2015, 70, 2-19.	1.4	43

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73	Experimental analyses of dynamical systems involving shape memory alloys. Smart Structures and Systems, 2015, 15, 1521-1542.	1.9	8
74	Dynamical Jumps in a Shape Memory Alloy Oscillator. Shock and Vibration, 2014, 2014, 1-10.	0.3	6
75	UNCERTAINTY ANALYSIS OF A ONE-DIMENSIONAL CONSTITUTIVE MODEL FOR SHAPE MEMORY ALLOY THERMOMECHANICAL DESCRIPTION. International Journal of Applied Mechanics, 2014, 06, 1450067.	1.3	11
76	Controlling a Shape Memory Alloy Two-Bar Truss Using Delayed Feedback Method. International Journal of Structural Stability and Dynamics, 2014, 14, 1440032.	1.5	8
77	Adaptive fuzzy sliding mode control of a chaotic pendulum with noisy signals. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 256-263.	0.9	10
78	Global warming description using Daisyworld model with greenhouse gases. BioSystems, 2014, 125, 1-15.	0.9	9
79	Chaos control applied to cardiac rhythms represented by ECG signals. Physica Scripta, 2014, 89, 105203.	1.2	15
80	Nonlinear dynamics of a pseudoelastic shape memory alloy system—theory and experiment. Smart Materials and Structures, 2014, 23, 085018.	1.8	18
81	Numerical and Experimental Control in a Parametric Pendulum using Delayed Feedback Method. IEICE Proceeding Series, 2014, 2, 174-177.	0.0	0
82	Finite element method applied to the quenching of steel cylinders using a multi-phase constitutive model. Archive of Applied Mechanics, 2013, 83, 1013-1037.	1.2	12
83	Nonlinear dynamics of a rotordynamic nonsmooth shape memory alloy system. Journal of Sound and Vibration, 2013, 332, 608-621.	2.1	25
84	Experimental investigation of the influence of the heating rate in an SMA actuator performance. Sensors and Actuators A: Physical, 2013, 199, 254-259.	2.0	9
85	Effect of the piezoelectric hysteretic behavior on the vibration-based energy harvesting. Journal of Intelligent Material Systems and Structures, 2013, 24, 1278-1285.	1.4	14
86	Adaptive fuzzy sliding mode control of smart structures. European Physical Journal: Special Topics, 2013, 222, 1541-1551.	1.2	16
87	Vibration Reduction Using Shape Memory Alloys. , 2013, , 209-221.		0
88	Experimental investigation of vibration reduction using shape memory alloys. Journal of Intelligent Material Systems and Structures, 2013, 24, 247-261.	1.4	52
89	NONLINEAR DYNAMICS AND CHAOS OF THE DAISYWORLD EMPLOYED FOR GLOBAL WARMING DESCRIPTION. Applied Ecology and Environmental Research, 2013, 11, 463-490.	0.2	7
90	Chaos Control Methods Applied to Avoid Bifurcations in Pendulum Dynamics. , 2013, , 387-395.		0

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91	Drill-string vibration analysis using non-smooth dynamics approach. Nonlinear Dynamics, 2012, 70, 1017-1035.	2.7	43
92	Sliding mode control with adaptive fuzzy dead-zone compensation for uncertain chaotic systems. Nonlinear Dynamics, 2012, 70, 1989-2001.	2.7	24
93	BIFURCATION CONTROL OF A PARAMETRIC PENDULUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250111.	0.7	37
94	Micromechanical modeling and effective properties of the smart grid-reinforced composites. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 343-351.	0.8	12
95	Nonlinear dynamics of a SMA large-scale space structure. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 401-412.	0.8	6
96	Special issue on smart materials and structures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 341-342.	0.8	0
97	Numerical Investigation of an Adaptive Vibration Absorber Using Shape Memory Alloys. Journal of Intelligent Material Systems and Structures, 2011, 22, 67-80.	1.4	66
98	Chaos control applied to heart rhythm dynamics. Chaos, Solitons and Fractals, 2011, 44, 587-599.	2.5	50
99	Analytical and numerical analysis of 3D grid-reinforced orthotropic composite structures. International Journal of Engineering Science, 2011, 49, 589-605.	2.7	20
100	Comparative analysis of chaos control methods: A mechanical system case study. International Journal of Non-Linear Mechanics, 2011, 46, 1076-1089.	1.4	33
101	A three-dimensional constitutive model for shape memory alloys. Archive of Applied Mechanics, 2010, 80, 1163-1175.	1.2	17
102	Analysis of the global warming dynamics from temperature time series. Ecological Modelling, 2010, 221, 1964-1978.	1.2	39
103	Thermomechanical analysis of steel cylinders quenching using a constitutive model with diffusional and non-diffusional phase transformations. Mechanics of Materials, 2010, 42, 31-43.	1.7	43
104	Vibration reduction of the impact system by an SMA restraint: numerical studies. International Journal of Non-Linear Mechanics, 2010, 45, 837-849.	1.4	26
105	Nonlinear dynamics and chaos in a pseudoelastic two-bar truss. Smart Materials and Structures, 2010, 19, 115022.	1.8	13
106	Spatiotemporal chaos in coupled logistic maps. Physica Scripta, 2010, 81, 045007.	1.2	4
107	Experimental and numerical investigations of shape memory alloy helical springs. Smart Materials and Structures, 2010, 19, 025008.	1.8	79
108	Nonlinear dynamics of a nonsmooth shape memory alloy oscillator. Chaos, Solitons and Fractals, 2009, 40, 197-209.	2.5	36

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109	A multiparameter chaos control method based on OGY approach. Chaos, Solitons and Fractals, 2009, 40, 1376-1390.	2.5	52
110	An analysis of heart rhythm dynamics using a three-coupled oscillator model. Chaos, Solitons and Fractals, 2009, 41, 2553-2565.	2.5	97
111	Chaos control using an adaptive fuzzy sliding mode controller with application to a nonlinear pendulum. Chaos, Solitons and Fractals, 2009, 42, 784-791.	2.5	32
112	Controlling chaos in a nonlinear pendulum using an extended time-delayed feedback control method. Chaos, Solitons and Fractals, 2009, 42, 2981-2988.	2.5	40
113	Asymptotic homogenization model for 3D grid-reinforced composite structures with generally orthotropic reinforcements. Composite Structures, 2009, 89, 186-196.	3.1	31
114	Lyapunov exponents estimation for hysteretic systems. International Journal of Solids and Structures, 2009, 46, 1269-1286.	1.3	26
115	A Phenomenological Description of the Thermomechanical Coupling and the Rate-dependent Behavior of Shape Memory Alloys. Journal of Intelligent Material Systems and Structures, 2009, 20, 1675-1687.	1.4	21
116	Experimental investigation of an oscillator with discontinuous support considering different system aspects. Chaos, Solitons and Fractals, 2008, 38, 685-695.	2.5	5
117	Tensile-compressive asymmetry influence on shape memory alloy system dynamics. Chaos, Solitons and Fractals, 2008, 36, 828-842.	2.5	38
118	A multiparameter chaos control method applied to maps. Brazilian Journal of Physics, 2008, 38, 536-542.	0.7	12
119	Nonlinear dynamics and chaos in a shape memory alloy pseudoelastic oscillator. , 2007, , .		5
120	Nonlinear Dynamics in a Pseudoelastic Oscillator: Non-isothermal Oscillations. , 2007, , .		0
121	Numerical and experimental investigations of the nonlinear dynamics and chaos in non-smooth systems. Journal of Sound and Vibration, 2007, 301, 59-73.	2.1	29
122	Effects of randomness on chaos and order of coupled logistic maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 389-395.	0.9	26
123	An overview of constitutive models for shape memory alloys. Mathematical Problems in Engineering, 2006, 2006, 1-30.	0.6	151
124	Nonlinear Dynamics and Chaos in Systems with Discontinuous Support. Shock and Vibration, 2006, 13, 315-326.	0.3	18
125	Chaos Control in Mechanical Systems. Shock and Vibration, 2006, 13, 301-314.	0.3	17
126	Chaos and transient chaos in an experimental nonlinear pendulum. Journal of Sound and Vibration, 2006, 294, 585-595.	2.1	63

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127	Finite Element Analysis of Shape Memory Alloy Adaptive Trusses with Geometrical Nonlinearities. Archive of Applied Mechanics, 2006, 76, 133.	1.2	10
128	A constitutive model for shape memory alloys considering tensile–compressive asymmetry and plasticity. International Journal of Solids and Structures, 2005, 42, 3439-3457.	1.3	157
129	Describing internal subloops due to incomplete phase transformations in shape memory alloys. Archive of Applied Mechanics, 2005, 74, 637-647.	1.2	34
130	Chaos and order in biomedical rhythms. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2005, 27, 157.	0.8	27
131	Finite element analysis of the phase transformation effect in residual stresses generated by quenching in notched steel cylinders. Journal of Strain Analysis for Engineering Design, 2005, 40, 151-160.	1.0	12
132	STATE SPACE RECONSTRUCTION USING EXTENDED STATE OBSERVERS TO CONTROL CHAOS IN A NONLINEAR PENDULUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 4051-4063.	0.7	10
133	Bifurcations and Crises in a Shape Memory Oscillator. Shock and Vibration, 2004, 11, 67-80.	0.3	24
134	Simulation of Quenching Process Using Finite Element Method. , 2004, , .		1
135	A nonlinear finite element method applied to shape memory bars. Smart Materials and Structures, 2004, 13, 1118-1130.	1.8	3
136	On the Fremond's constitutive model for shape memory alloys. Mechanics Research Communications, 2004, 31, 677-688.	1.0	29
137	On the thermo-mechanical coupling in austenite–martensite phase transformation related to the quenching process. International Journal of Solids and Structures, 2004, 41, 1139-1155.	1.3	30
138	Chaos control in a nonlinear pendulum using a semi-continuous method. Chaos, Solitons and Fractals, 2004, 22, 653-668.	2.5	32
139	Finite Element Residual Stress Analysis Applied to Offshore Studless Chain Links. , 2004, , 935.		0
140	Nonlinear dynamics and chaos in coupled shape memory oscillators. International Journal of Solids and Structures, 2003, 40, 5139-5156.	1.3	63
141	Evaluating Noise Sensitivity on the Time Series Determination of Lyapunov Exponents Applied to the Nonlinear Pendulum. Shock and Vibration, 2003, 10, 37-50.	0.3	12
142	Medical applications of shape memory alloys. Brazilian Journal of Medical and Biological Research, 2003, 36, 683-691.	0.7	401
143	Transient chaos in an elasto-plastic beam with hardening. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2003, 25, 189-193.	0.8	6
144	Chaotic motion of an elasto-plastic beam. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2003, 25, .	0.8	0

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145	CHAOS AND HYPERCHAOS IN SHAPE MEMORY SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 645-657.	0.7	54
146	Phenomenological Modeling and Numerical Simulation of Shape Memory Alloys: A Thermo-Plastic-Phase Transformation Coupled Model. Journal of Intelligent Material Systems and Structures, 2002, 13, 261-273.	1.4	60
147	Chaos in a shape memory two-bar truss. International Journal of Non-Linear Mechanics, 2002, 37, 1387-1395.	1.4	57
148	Chaos in a Two-Degree of Freedom Duffing Oscillator. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2002, 24, 115-121.	0.1	9
149	Analysis of residual stresses generated by progressive induction hardening of steel cylinders. Journal of Strain Analysis for Engineering Design, 2001, 36, 507-516.	1.0	15
150	Chaos and Unpredictability in the Vibration of an Elasto-Plastic Beam. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2001, 23, 253-267.	0.1	4
151	Estimating Attractor Dimension on the Nonlinear Pendulum Time Series. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2001, 23, 427-439.	0.1	10
152	Modelling and simulation of the delamination in composite materials. Journal of Strain Analysis for Engineering Design, 2000, 35, 479-492.	1.0	7
153	NON-LINEAR DYNAMICS OF AN ELASTO–PLASTIC OSCILLATOR WITH KINEMATIC AND ISOTROPIC HARDENING. Journal of Sound and Vibration, 1997, 207, 207-226.	2.1	14
154	Dynamics of 2-DOF Micro-End-Milling System Considering Grain-Size Variation. Materials Science Forum, 0, 758, 165-173.	0.3	0
155	Shape Memory Alloy Helical Springs Performance: Modeling and Experimental Analysis. Materials Science Forum, 0, 758, 147-156.	0.3	17
156	Nonlinear Dynamics of an Origami Structure Coupled to Smart Materials. , 0, , .		2