

# Marcelo A Savi

## List of Publications by Year in descending order

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156  
papers

3,623  
citations

147726

31  
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175177

52  
g-index

160  
all docs

160  
docs citations

160  
times ranked

2057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical applications of shape memory alloys. Brazilian Journal of Medical and Biological Research, 2003, 36, 683-691.	0.7	401
2	A constitutive model for shape memory alloys considering tensile and compressive asymmetry and plasticity. International Journal of Solids and Structures, 2005, 42, 3439-3457.	1.3	157
3	An overview of constitutive models for shape memory alloys. Mathematical Problems in Engineering, 2006, 2006, 1-30.	0.6	151
4	An analysis of heart rhythm dynamics using a three-coupled oscillator model. Chaos, Solitons and Fractals, 2009, 41, 2553-2565.	2.5	97
5	Experimental and numerical investigations of shape memory alloy helical springs. Smart Materials and Structures, 2010, 19, 025008.	1.8	79
6	Energy harvesting in a nonlinear piezomagnetoelastic beam subjected to random excitation. Mechanical Systems and Signal Processing, 2015, 54-55, 405-416.	4.4	79
7	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
8	Nonlinear dynamics and chaos in coupled shape memory oscillators. International Journal of Solids and Structures, 2003, 40, 5139-5156.	1.3	63
9	Chaos and transient chaos in an experimental nonlinear pendulum. Journal of Sound and Vibration, 2006, 294, 585-595.	2.1	63
10	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
11	Chaos in a shape memory two-bar truss. International Journal of Non-Linear Mechanics, 2002, 37, 1387-1395.	1.4	57
12	Drill-string vibration analysis considering an axial-torsional-lateral nonsmooth model. Journal of Sound and Vibration, 2019, 438, 220-237.	2.1	55
13	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
14	Comparative analysis of micromechanical models for the elastic composite laminae. Composites Part B: Engineering, 2019, 174, 106961.	5.9	53
15	A multiparameter chaos control method based on OGY approach. Chaos, Solitons and Fractals, 2009, 40, 1376-1390.	2.5	52
16	Experimental investigation of vibration reduction using shape memory alloys. Journal of Intelligent Material Systems and Structures, 2013, 24, 247-261.	1.4	52
17	Chaos control applied to heart rhythm dynamics. Chaos, Solitons and Fractals, 2011, 44, 587-599.	2.5	50
18	Shape memory alloy-based mechanism for aeronautical application: Theory, optimization and experiment. Aerospace Science and Technology, 2018, 76, 155-163.	2.5	50

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19	An overview of the mechanical description of origami-inspired systems and structures. <i>International Journal of Mechanical Sciences</i> , 2022, 223, 107316.	3.6	47
20	Thermomechanical analysis of steel cylinders quenching using a constitutive model with diffusional and non-diffusional phase transformations. <i>Mechanics of Materials</i> , 2010, 42, 31-43.	1.7	43
21	Drill-string vibration analysis using non-smooth dynamics approach. <i>Nonlinear Dynamics</i> , 2012, 70, 1017-1035.	2.7	43
22	Nonlinear dynamics and chaos in shape memory alloy systems. <i>International Journal of Non-Linear Mechanics</i> , 2015, 70, 2-19.	1.4	43
23	Controlling chaos in a nonlinear pendulum using an extended time-delayed feedback control method. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2981-2988.	2.5	40
24	Analysis of the global warming dynamics from temperature time series. <i>Ecological Modelling</i> , 2010, 221, 1964-1978.	1.2	39
25	Nonlinear geometric influence on the mechanical behavior of shape memory alloy helical springs. <i>Smart Materials and Structures</i> , 2015, 24, 035012.	1.8	39
26	Tensile-compressive asymmetry influence on shape memory alloy system dynamics. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 828-842.	2.5	38
27	BIFURCATION CONTROL OF A PARAMETRIC PENDULUM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250111.	0.7	37
28	Nonlinear dynamics of a nonsmooth shape memory alloy oscillator. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 197-209.	2.5	36
29	Using $O\hat{a}^{-1}$ test to diagnose chaos on shape memory alloy dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 307-324.	2.5	35
30	Describing internal subloops due to incomplete phase transformations in shape memory alloys. <i>Archive of Applied Mechanics</i> , 2005, 74, 637-647.	1.2	34
31	Comparative analysis of chaos control methods: A mechanical system case study. <i>International Journal of Non-Linear Mechanics</i> , 2011, 46, 1076-1089.	1.4	33
32	Chaos control in a nonlinear pendulum using a semi-continuous method. <i>Chaos, Solitons and Fractals</i> , 2004, 22, 653-668.	2.5	32
33	Chaos control using an adaptive fuzzy sliding mode controller with application to a nonlinear pendulum. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 784-791.	2.5	32
34	Asymptotic homogenization model for 3D grid-reinforced composite structures with generally orthotropic reinforcements. <i>Composite Structures</i> , 2009, 89, 186-196.	3.1	31
35	Nonlinear dynamics of an adaptive origami-stent system. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 303-318.	3.6	31
36	On the thermo-mechanical coupling in austenite $\rightarrow$ martensite phase transformation related to the quenching process. <i>International Journal of Solids and Structures</i> , 2004, 41, 1139-1155.	1.3	30

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37	On the Fremondâ€™s constitutive model for shape memory alloys. <i>Mechanics Research Communications</i> , 2004, 31, 677-688.	1.0	29
38	Numerical and experimental investigations of the nonlinear dynamics and chaos in non-smooth systems. <i>Journal of Sound and Vibration</i> , 2007, 301, 59-73.	2.1	29
39	A macroscopic description of shape memory alloy functional fatigue. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105345.	3.6	28
40	Star-shaped piezoelectric mechanical energy harvesters for multidirectional sources. <i>International Journal of Mechanical Sciences</i> , 2022, 215, 106962.	3.6	28
41	Chaos and order in biomedical rhythms. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2005, 27, 157.	0.8	27
42	Effects of randomness on chaos and order of coupled logistic maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 389-395.	0.9	26
43	Lyapunov exponents estimation for hysteretic systems. <i>International Journal of Solids and Structures</i> , 2009, 46, 1269-1286.	1.3	26
44	Vibration reduction of the impact system by an SMA restraint: numerical studies. <i>International Journal of Non-Linear Mechanics</i> , 2010, 45, 837-849.	1.4	26
45	Modelling, characterisation and uncertainties of stabilised pseudoelastic shape memory alloy helical springs. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 2721-2743.	1.4	26
46	Nonlinear dynamics of a rotordynamic nonsmooth shape memory alloy system. <i>Journal of Sound and Vibration</i> , 2013, 332, 608-621.	2.1	25
47	Bifurcations and Crises in a Shape Memory Oscillator. <i>Shock and Vibration</i> , 2004, 11, 67-80.	0.3	24
48	Sliding mode control with adaptive fuzzy dead-zone compensation for uncertain chaotic systems. <i>Nonlinear Dynamics</i> , 2012, 70, 1989-2001.	2.7	24
49	Nonlinear dynamics of an origami wheel with shape memory alloy actuators. <i>Chaos, Solitons and Fractals</i> , 2019, 122, 245-261.	2.5	24
50	A Mathematical Description of the Dynamics of Coronavirus Disease 2019 (COVID-19): A Case Study of Brazil. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-8.	0.7	24
51	Micromechanical analysis of transversal strength of composite laminae. <i>Composite Structures</i> , 2020, 250, 112546.	3.1	24
52	Fatigue on shape memory alloys: Experimental observations and constitutive modeling. <i>International Journal of Solids and Structures</i> , 2021, 213, 1-24.	1.3	24
53	Chaos in impact oscillators not in vain: Dynamics of new mass excited oscillator. <i>Nonlinear Dynamics</i> , 2020, 102, 835-861.	2.7	23
54	A Phenomenological Description of the Thermomechanical Coupling and the Rate-dependent Behavior of Shape Memory Alloys. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 1675-1687.	1.4	21

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55	Synergistic use of piezoelectric and shape memory alloy elements for vibration-based energy harvesting. <i>International Journal of Mechanical Sciences</i> , 2021, 194, 106206.	3.6	21
56	Analytical and numerical analysis of 3D grid-reinforced orthotropic composite structures. <i>International Journal of Engineering Science</i> , 2011, 49, 589-605.	2.7	20
57	Nonlinear dynamics of an autonomous robot with deformable origami wheels. <i>International Journal of Non-Linear Mechanics</i> , 2020, 125, 103533.	1.4	20
58	Nonlinear Dynamics and Chaos in Systems with Discontinuous Support. <i>Shock and Vibration</i> , 2006, 13, 315-326.	0.3	18
59	Nonlinear dynamics of a pseudoelastic shape memory alloy system—theory and experiment. <i>Smart Materials and Structures</i> , 2014, 23, 085018.	1.8	18
60	Chaos control applied to piezoelectric vibration-based energy harvesting systems. <i>European Physical Journal: Special Topics</i> , 2015, 224, 2787-2801.	1.2	18
61	Vibration control of a flexible rotor suspended by shape memory alloy wires. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 2309-2323.	1.4	18
62	Chaos Control in Mechanical Systems. <i>Shock and Vibration</i> , 2006, 13, 301-314.	0.3	17
63	A three-dimensional constitutive model for shape memory alloys. <i>Archive of Applied Mechanics</i> , 2010, 80, 1163-1175.	1.2	17
64	Shape Memory Alloy Helical Springs Performance: Modeling and Experimental Analysis. <i>Materials Science Forum</i> , 0, 758, 147-156.	0.3	17
65	Adaptive fuzzy sliding mode control of smart structures. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1541-1551.	1.2	16
66	A three-dimensional description of shape memory alloy thermomechanical behavior including plasticity. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 1451-1472.	0.8	16
67	Multiscale Failure Analysis of Cylindrical Composite Pressure Vessel: A Parametric Study. <i>Latin American Journal of Solids and Structures</i> , 2018, 15, .	0.6	16
68	Multiscale approach to predict strength of notched composite plates. <i>Composite Structures</i> , 2020, 253, 112827.	3.1	16
69	Micromechanical analysis of longitudinal and shear strength of composite laminae. <i>Journal of Composite Materials</i> , 2020, 54, 4853-4873.	1.2	16
70	Multimodal pizza-shaped piezoelectric vibration-based energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 2505-2528.	1.4	16
71	Trace theory applied to composite analysis: A comparison with micromechanical models. <i>Composites Communications</i> , 2021, 25, 100715.	3.3	16
72	Analysis of residual stresses generated by progressive induction hardening of steel cylinders. <i>Journal of Strain Analysis for Engineering Design</i> , 2001, 36, 507-516.	1.0	15

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73	Chaos control applied to cardiac rhythms represented by ECG signals. <i>Physica Scripta</i> , 2014, 89, 105203.	1.2	15
74	A parametric analysis of the nonlinear dynamics of bistable vibration-based piezoelectric energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 699-723.	1.4	15
75	NON-LINEAR DYNAMICS OF AN ELASTO-PLASTIC OSCILLATOR WITH KINEMATIC AND ISOTROPIC HARDENING. <i>Journal of Sound and Vibration</i> , 1997, 207, 207-226.	2.1	14
76	Effect of the piezoelectric hysteretic behavior on the vibration-based energy harvesting. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 1278-1285.	1.4	14
77	Experimental bifurcation control of a parametric pendulum. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2256-2268.	1.5	14
78	Aero-structural optimization of shape memory alloy-based wing morphing via a class/shape transformation approach. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 2745-2759.	0.7	14
79	Chaos control of a shape memory alloy structure using thermal constrained actuation. <i>International Journal of Non-Linear Mechanics</i> , 2019, 111, 106-118.	1.4	14
80	Nonlinear dynamics and chaos in a pseudoelastic two-bar truss. <i>Smart Materials and Structures</i> , 2010, 19, 115022.	1.8	13
81	Shape Memory Alloys. , 2016, , 155-188.		13
82	Random Effects in a Nonlinear Vibration-Based Piezoelectric Energy Harvesting System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950046.	0.7	13
83	Evaluating Noise Sensitivity on the Time Series Determination of Lyapunov Exponents Applied to the Nonlinear Pendulum. <i>Shock and Vibration</i> , 2003, 10, 37-50.	0.3	12
84	Finite element analysis of the phase transformation effect in residual stresses generated by quenching in notched steel cylinders. <i>Journal of Strain Analysis for Engineering Design</i> , 2005, 40, 151-160.	1.0	12
85	A multiparameter chaos control method applied to maps. <i>Brazilian Journal of Physics</i> , 2008, 38, 536-542.	0.7	12
86	Micromechanical modeling and effective properties of the smart grid-reinforced composites. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2012, 34, 343-351.	0.8	12
87	Finite element method applied to the quenching of steel cylinders using a multi-phase constitutive model. <i>Archive of Applied Mechanics</i> , 2013, 83, 1013-1037.	1.2	12
88	A phenomenological description of shape memory alloy transformation induced plasticity. <i>Meccanica</i> , 2018, 53, 2503-2523.	1.2	12
89	Chaos control of an SMA-pendulum system using thermal actuation with extended time-delayed feedback approach. <i>Nonlinear Dynamics</i> , 2018, 93, 571-583.	2.7	12
90	Heart rhythm analysis using a nonlinear dynamics perspective. <i>Applied Mathematical Modelling</i> , 2021, 96, 152-176.	2.2	12

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91	UNCERTAINTY ANALYSIS OF A ONE-DIMENSIONAL CONSTITUTIVE MODEL FOR SHAPE MEMORY ALLOY THERMOMECHANICAL DESCRIPTION. <i>International Journal of Applied Mechanics</i> , 2014, 06, 1450067.	1.3	11
92	STATE SPACE RECONSTRUCTION USING EXTENDED STATE OBSERVERS TO CONTROL CHAOS IN A NONLINEAR PENDULUM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 4051-4063.	0.7	10
93	Finite Element Analysis of Shape Memory Alloy Adaptive Trusses with Geometrical Nonlinearities. <i>Archive of Applied Mechanics</i> , 2006, 76, 133.	1.2	10
94	Adaptive fuzzy sliding mode control of a chaotic pendulum with noisy signals. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2014, 94, 256-263.	0.9	10
95	On the Nonlinear Behavior of the Piezoelectric Coupling on Vibration-Based Energy Harvesters. <i>Shock and Vibration</i> , 2015, 2015, 1-15.	0.3	10
96	Piezoelectric Vibration-Based Energy Harvesting Enhancement Exploiting Nonsmoothness. <i>Actuators</i> , 2019, 8, 25.	1.2	10
97	Estimating Attractor Dimension on the Nonlinear Pendulum Time Series. <i>Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences</i> , 2001, 23, 427-439.	0.1	10
98	Experimental investigation of the influence of the heating rate in an SMA actuator performance. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 254-259.	2.0	9
99	Global warming description using Daisyworld model with greenhouse gases. <i>BioSystems</i> , 2014, 125, 1-15.	0.9	9
100	Asymptotic Analysis of Fiber-Reinforced Composites of Hexagonal Structure. <i>Journal of Multiscale Modeling</i> , 2016, 07, 1650006.	1.0	9
101	Synchronization and chimera state in a mechanical system. <i>Nonlinear Dynamics</i> , 2020, 102, 907-925.	2.7	9
102	Nonlinear dynamics of earthquake-resistant structures using shape memory alloy composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 771-787.	1.4	9
103	Chaos in a Two-Degree of Freedom Duffing Oscillator. <i>Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences</i> , 2002, 24, 115-121.	0.1	9
104	Controlling a Shape Memory Alloy Two-Bar Truss Using Delayed Feedback Method. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1440032.	1.5	8
105	Nonlinear dynamics of an SMA-pendulum system. <i>Nonlinear Dynamics</i> , 2017, 87, 1617-1627.	2.7	8
106	Random effects inducing heart pathological dynamics: An approach based on mathematical models. <i>BioSystems</i> , 2020, 196, 104177.	0.9	8
107	Experimental analyses of dynamical systems involving shape memory alloys. <i>Smart Structures and Systems</i> , 2015, 15, 1521-1542.	1.9	8
108	Modelling and simulation of the delamination in composite materials. <i>Journal of Strain Analysis for Engineering Design</i> , 2000, 35, 479-492.	1.0	7

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109	Synergistic use of smart materials for vibration-based energy harvesting. European Physical Journal: Special Topics, 2015, 224, 3005-3021.	1.2	7
110	A comparative analysis of different shape memory alloy actuator configurations. Journal of Intelligent Material Systems and Structures, 2017, 28, 1415-1427.	1.4	7
111	COVID-19 dynamics considering the influence of hospital infrastructure: an investigation into Brazilian scenarios. Nonlinear Dynamics, 2021, 106, 1-22.	2.7	7
112	On the symmetries of the origami waterbomb pattern: kinematics and mechanical investigations. Meccanica, 2021, 56, 2575-2598.	1.2	7
113	NONLINEAR DYNAMICS AND CHAOS OF THE DAISYWORLD EMPLOYED FOR GLOBAL WARMING DESCRIPTION. Applied Ecology and Environmental Research, 2013, 11, 463-490.	0.2	7
114	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
115	Dynamical Jumps in a Shape Memory Alloy Oscillator. Shock and Vibration, 2014, 2014, 1-10.	0.3	6
116	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
117	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
118	Nonlinear dynamics and chaos in a shape memory alloy pseudoelastic oscillator. , 2007, , .		5
119	Experimental investigation of an oscillator with discontinuous support considering different system aspects. Chaos, Solitons and Fractals, 2008, 38, 685-695.	2.5	5
120	Reduced-Order Model Description of Origami Stent Built with Waterbomb Pattern. International Journal of Applied Mechanics, 2021, 13, 2150016.	1.3	5
121	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
122	A dynamical map to describe COVID-19 epidemics. European Physical Journal: Special Topics, 2022, 231, 893-904.	1.2	5
123	Nonlinear Mechanics of a Smart Biotensegrity Human Foot Prosthesis. International Journal of Applied Mechanics, 2022, 14, .	1.3	5
124	Spatiotemporal chaos in coupled logistic maps. Physica Scripta, 2010, 81, 045007.	1.2	4
125	State space reconstruction applied to a multiparameter chaos control method. Meccanica, 2015, 50, 207-216.	1.2	4
126	Nonlinear Dynamics and Chaos. , 2016, , 93-117.		4



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127	Numerical investigation of nonlinear mechanical and constitutive effects on piezoelectric vibration-based energy harvesting. <i>TM Technisches Messen</i> , 2018, 85, 565-579.	0.3	4
128	A comparison of different approaches to detect the transitions from regular to chaotic motions in SMA oscillator. <i>Meccanica</i> , 2020, 55, 1295-1308.	1.2	4
129	Uncertainty analysis of heart dynamics using Random Matrix Theory. <i>International Journal of Non-Linear Mechanics</i> , 2021, 129, 103653.	1.4	4
130	Chaos and Unpredictability in the Vibration of an Elasto-Plastic Beam. <i>Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences</i> , 2001, 23, 253-267.	0.1	4
131	Biochaos in cardiac rhythms. <i>European Physical Journal: Special Topics</i> , 2022, 231, 833-845.	1.2	4
132	A nonlinear finite element method applied to shape memory bars. <i>Smart Materials and Structures</i> , 2004, 13, 1118-1130.	1.8	3
133	Geometrically nonlinear elastic model for a thin composite layer with wavy surfaces. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017, 97, 1381-1392.	0.9	3
134	Nonlinear Dynamics and Chaos of a Nonsmooth Rotor-Stator System. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10.	0.6	3
135	Dynamical Behavior of a Pseudoelastic Vibration Absorber Using Shape Memory Alloys. <i>Shock and Vibration</i> , 2017, 2017, 1-11.	0.3	3
136	Complex bio rhythms. <i>European Physical Journal: Special Topics</i> , 2022, 231, 815-818.	1.2	3
137	Analysis of Magneto-Piezoelastic Anisotropic Materials. <i>Metals</i> , 2015, 5, 863-880.	1.0	2
138	Recurrence analysis of regular and chaotic motions of a superelastic shape memory oscillator. <i>ITM Web of Conferences</i> , 2017, 15, 05013.	0.4	2
139	Estimating Lyapunov spectrum on shape-memory alloy oscillators considering cloned dynamics and tangent map methods. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	2
140	Numerical Investigations of Shape Memory Alloy Fatigue. <i>Metals</i> , 2021, 11, 1558.	1.0	2
141	Nonlinear Dynamics of an Origami Structure Coupled to Smart Materials. , 0, , .		2
142	Simulation of Quenching Process Using Finite Element Method. , 2004, , .		1
143	Phenomenological modeling of the thermo-magneto-mechanical behavior of magnetic shape memory alloys. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3696-3709.	1.4	1
144	Complex dynamics of multi-regional economic interactions. <i>Nonlinear Dynamics</i> , 2020, 102, 1151-1171.	2.7	1

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145	Finite Element Residual Stress Analysis Applied to Offshore Studless Chain Links. , 2004, , 935.		0
146	Nonlinear Dynamics in a Pseudoelastic Oscillator: Non-isothermal Oscillations. , 2007, , .		0
147	Dynamics of 2-DOF Micro-End-Milling System Considering Grain-Size Variation. Materials Science Forum, 0, 758, 165-173.	0.3	0
148	Vibration Reduction Using Shape Memory Alloys. , 2013, , 209-221.		0
149	Design and Modeling Shape Memory Actuator for Offshore Applications. , 2015, , .		0
150	Continuum Mechanics. , 2016, , 7-40.		0
151	An investigation of synchronization robustness considering randomness and asymmetries. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 2477-2496.	0.4	0
152	Chaotic motion of an elasto-plastic beam. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2003, 25, .	0.8	0
153	Special issue on smart materials and structures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 341-342.	0.8	0
154	Chaos Control Methods Applied to Avoid Bifurcations in Pendulum Dynamics. , 2013, , 387-395.		0
155	Numerical and Experimental Control in a Parametric Pendulum using Delayed Feedback Method. IEICE Proceeding Series, 2014, 2, 174-177.	0.0	0
156	ENERGY HARVESTING IN A NONLINEAR SYSTEM UNDER HARMONIC AND RANDOM EXCITATIONS. , 2017, , .		0