Angelo Marcelo Tusset

List of Publications by Year
in descending order

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176	1,443	361296	434063
papers	citations	20	31
		h-index	g-index

188	188	188	771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Short Note on Synchrosqueezed Transforms for Resonant Capture, Sommerfeld Effect and Nonlinear Jump Characterization in Mechanical Systems. Journal of Vibration Engineering and Technologies, 2023, 11, 429-434.	1.3	5
2	Dynamics analysis and control of a pendulum driven by a DC motor via a slider-crank mechanism. Mechanical Systems and Signal Processing, 2022, 166, 108415.	4.4	7
3	Numerical exploratory of a Magneto piezo elastic oscillator with Bouc-Wen damping to energy harvesting. AIP Conference Proceedings, 2022, , .	0.3	1
4	Neural Network Modeling and Dynamic Analysis of Different Types of Engine Mounts for Internal Combustion Engines. Sensors, 2022, 22, 1821.	2.1	0
5	Piezoelectric Energy Harvesting from a Non-ideal Portal Frame System Including Shape Memory Alloy Effect. Mechanisms and Machine Science, 2022, , 369-380.	0.3	1
6	Dynamics and Control of a Vibrating System with Hyperchaotic Behavior Using an Electronic Circuit Implementation. Brazilian Journal of Physics, 2022, 52, 1.	0.7	4
7	Predictive Control Applied to the Steering System of an Autonomous Vehicle. Journal of Vibration Engineering and Technologies, 2022, 10, 2275-2282.	1.3	1
8	Catalytic Systems in the Reduction of Nitrogen Oxide Emissions in Diesel-Powered Trucks. Sustainability, 2022, 14, 6662.	1.6	1
9	Computational Validation of the Best Tuning Method for a Vehicle-Integrated PID Controller. Modelling and Simulation in Engineering, 2022, 2022, 1-16.	0.4	0
10	An Atomic Force Microscopy (AFM) Modelling in Fractional Order: Nonlinear Control System Design. Brazilian Journal of Physics, 2022, 52, .	0.7	3
11	Remarks on energy harvesting of nonlinear charge and voltage piezoelectric models in a two-degrees-of-freedom nonlinear portal frame model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 4760-4767.	1.1	3
12	Dynamics and Control of Energy Harvesting from a Non-ideally Excited Portal Frame System with Fractional Damping. Mechanisms and Machine Science, 2021, , 383-395.	0.3	1
13	Attenuation of the Vibration in a Non-ideal Excited Flexible Electromechanical System Using a Shape Memory Alloy Actuator. Mechanisms and Machine Science, 2021, , 431-444.	0.3	2
14	Remarks on a PVDF Piezo-Wind Generator. Mechanisms and Machine Science, 2021, , 357-368.	0.3	0
15	SDRE and LQR Controls Comparison Applied in High-Performance Aircraft in a Longitudinal Flight. International Journal of Robotics and Control Systems, 2021, 1, 131-144.	0.6	2
16	Paraquat degradation by photocatalysis: experimental desing and optimization. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, 56, 523-531.	0.7	5
17	Dynamic Analysis and Synchronization for a System with Hyperchaotic Behavior. Brazilian Journal of Physics, 2021, 51, 1333-1345.	0.7	3
18	Numerical Simulations and Control of Offshore Energy Harvesting Using Piezoelectric Materials in a Portal Frame Structure. Shock and Vibration, 2021, 2021, 1-11.	0.3	5

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19	Chaos control of an atomic force microscopy model in fractional-order. European Physical Journal: Special Topics, 2021, 230, 3643-3654.	1.2	8
20	Mathematical modeling attributed to kinematics and dynamics of a vehicle with 4-wheels. European Physical Journal: Special Topics, 2021, 230, 3663-3672.	1.2	2
21	Quarry Residue: Treatment of Industrial Effluent Containing Dye. Catalysts, 2021, 11, 852.	1.6	1
22	Analysis and chaos control of a four-dimensional magnetohydrodynamic model with hyperchaotic solutions. European Physical Journal: Special Topics, 2021, 230, 3457-3467.	1.2	2
23	Numerical analysis of fractional dynamical behavior of Atomic Force Microscopy. European Physical Journal: Special Topics, 2021, 230, 3655-3661.	1.2	8
24	Effects of synthesis parameters on the properties and photocatalytic activity of the magnetic catalyst TiO2/CoFe2O4 applied to selenium photoreduction. Journal of Water Process Engineering, 2021, 42, 102163.	2.6	18
25	Dynamic analysis of the non-linear behavior of an ocean buoy for energy harvesting. European Physical Journal: Special Topics, 2021, 230, 3599-3602.	1.2	4
26	Functioned catalysts with magnetic core applied in ibuprofen degradation. Water Science and Technology, 2021, 84, 2158-2179.	1.2	3
27	Optimal Control for Path Planning on a 2 DOF Robotic Arm with Prismatic and Revolute Elastic Joints. Mechanisms and Machine Science, 2021, , 209-218.	0.3	0
28	Slosh Analyzes of a Full Vehicle-Tank Model with SDRE Control with a Hydraulic Damper. Springer Proceedings in Mathematics and Statistics, 2021, , 83-93.	0.1	0
29	Syngas Generation Process Simulation: A Comparative Study. International Journal of Robotics and Control Systems, 2021, 2, 187-200.	0.6	0
30	Time Delayed Feedback Control Applied in an Atomic Force Microscopy (AFM) Model in Fractional-Order. Journal of Vibration Engineering and Technologies, 2020, 8, 327-335.	1.3	20
31	On suppression of chaotic motion of a nonlinear MEMS oscillator. Nonlinear Dynamics, 2020, 99, 537-557.	2.7	12
32	Dynamics and control of periodic and non-periodic behavior of Duffing vibrating system with fractional damping and excited by a non-ideal motor. Journal of the Franklin Institute, 2020, 357, 2067-2082.	1.9	19
33	Solâ€“gel Fe/TiO2 Magnetic Catalysts Applied to Selenium Photoreduction. Topics in Catalysis, 2020, 63, 1131-1144.	1.3	7
34	Numerical Exploratory Analysis of Dynamics and Control of an Atomic Force Microscopy in Tapping Mode with Fractional Order. Shock and Vibration, 2020, 2020, 1-18.	0.3	13
35	A Comparison of Time-Frequency Methods for Nonlinear Dynamics and Chaos Analysis in an Energy Harvesting Model. Brazilian Journal of Physics, 2020, 50, 235-244.	0.7	9
36	Neuro fuzzy control on horizontal axis wind turbine. Meccanica, 2020, 55, 87-101.	1.2	8

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37	On the Positioning of a Piezoelectric Material in the Energy Harvesting From a Nonideally Excited Portal Frame. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	6
38	Nonlinear Vibration Analysis of a Sandwich Beam and Assessment of the Dynamic Behavior. , 2020, , 99-107.		0
39	Dynamics Analysis and Control of the Malkus-Lorenz Waterwheel with Parametric Errors. Springer Proceedings in Physics, 2019, , 57-70.	0.1	3
40	On a non-ideal magnetic levitation system: nonlinear dynamical behavior and energy harvesting analyses. Nonlinear Dynamics, 2019, 95, 3423-3438.	2.7	17
41	OPTIMIZATION OF DYNAMIC VIBRATION ABSORBERS BASED ON EQUAL-PEAK THEORY. Latin American Journal of Solids and Structures, 2019, 16, .	0.6	7
42	Modeling and Experimental Validation of Two Adjacent Portal Frame Structures Subjected to Vibro-impact. Latin American Journal of Solids and Structures, 2019, 16, .	0.6	7
43	Offshore Energy Harvesting of a Marine Floating Pendulum Platform Model. Latin American Journal of Solids and Structures, 2019, 16, .	0.6	5
44	Energy harvesting through pendulum motion and DC generators. Latin American Journal of Solids and Structures, 2019, 16, .	0.6	7
45	On Positioning and Vibration Control Application to Robotic Manipulators with a Nonideal Load Carrying. Shock and Vibration, 2019, 2019, 1-14.	0.3	8
46	Genetic Algorithm Applied to Multi-Criteria Selection of Thermal Insulation on Industrial Shed Roof. Buildings, 2019, 9, 238.	1.4	4
47	A Novel Strategy for Road Lane Detection and Tracking Based on a Vehicleâ€™s Forward Monocular Camera. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1497-1507.	4.7	61
48	Rubbing Effect Analysis in a Continuous Rotor Model. Mechanisms and Machine Science, 2019, , 387-399.	0.3	1
49	A Note on Anti-Roll Bar Effectiveness Full-Car Dynamics with Magnetorheological Damper Control. International Review of Mechanical Engineering, 2019, 13, 47.	0.1	3
50	A Note on SDRE Control Applied in the Fermentation Reactor. International Review of Mechanical Engineering, 2019, 13, 576.	0.1	1
51	On nonlinear dynamics behavior of an electro-mechanical pendulum excited by a nonideal motor and a chaos control taking into account parametric errors. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	23
52	An overview on the appearance of the Sommerfeld effect and saturation phenomenon in non-ideal vibrating systems (NIS) in macro and MEMS scales. Nonlinear Dynamics, 2018, 93, 19-40.	2.7	42
53	On nonlinear horizontal dynamics and vibrations control for high-speed elevators. JVC/Journal of Vibration and Control, 2018, 24, 825-838.	1.5	34
54	On nonlinear dynamics of a parametrically excited pendulum using both active control and passive rotational (MR) damper. JVC/Journal of Vibration and Control, 2018, 24, 1587-1599.	1.5	25

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55	Using passive control by a pendulum in a portal frame platform with piezoelectric energy harvesting. JVC/Journal of Vibration and Control, 2018, 24, 3684-3697.	1.5	9
56	Experimental evaluation of a vibro-impact model for two adjacent shear-building structures. MATEC Web of Conferences, 2018, 211, 03004.	0.1	0
57	Jump Attenuation in a Non-Ideal System Using Shape Memory Element. MATEC Web of Conferences, 2018, 148, 03003.	0.1	8
58	Optimal Control for Robot Manipulators with Three-Degress-of-Freedom. Springer Proceedings in Mathematics and Statistics, 2018, , 135-149.	0.1	1
59	Dynamics, Control, and Modeling of Fractional-Order Systems. Shock and Vibration, 2018, 2018, 1-2.	0.3	0
60	On an Optimal Control Applied in MEMS Oscillator with Chaotic Behavior including Fractional Order. Complexity, 2018, 2018, 1-12.	0.9	11
61	An analytical approximated solution and numerical simulations of a non-ideal system with saturation phenomenon. Nonlinear Dynamics, 2018, 94, 429-442.	2.7	10
62	Dynamical Analysis and Control of a Chaotic Microelectromechanical Resonator Model. Shock and Vibration, 2018, 2018, 1-10.	0.3	7
63	On vibration mitigation and energy harvesting of a non-ideal system with autoparametric vibration absorber system. Meccanica, 2018, 53, 3177-3188.	1.2	20
64	Deflection control of an aeroelastic system utilizing an antagonistic shape memory alloy actuator. Meccanica, 2018, 53, 727-745.	1.2	4
65	Nonlinear dynamics and SDRE control applied to a high-performance aircraft in a longitudinal flight considering atmospheric turbulence in flight. Journal of Sound and Vibration, 2018, 436, 273-285.	2.1	8
66	Magnetorheological damper in semi-active vehicle suspension system using SDRE control for a quarter car model. , 2018, , .		0
67	Seismic Pounding Model Using Hertzian Contact. , 2018, , .		0
68	Control of a MEMS oscillator with Chaotic Behavior. , 2018, , .		0
69	Piezoelectric energy harvesting by using a two-degrees-of-freedom portal frame. , 2018, , .		0
70	Numerical and experimental analysis of a non-ideal type system. , 2018, , .		0
71	Magnetic levitation system controlled by SDRE control. , 2018, , .		0
72	Dynamics analysis of the portal frame model with non-ideal drive as an energy harvester. , 2018, , .		0

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73	Skyhook controller applied in nonlinear vehicle suspension with magnetorheological damper. , 2018, , .		0
74	Dynamic Analysis and Control for a four-dimensional Lorenz system. , 2018, , .		0
75	On a Time Series Analysis Generated by a Sensor of an Atomic Force Microscope (AFM). International Review of Mechanical Engineering, 2018, 12, 239.	0.1	0
76	Nonlinear piezoelectric vibration energy harvesting from a portal frame with two-to-one internal resonance. Meccanica, 2017, 52, 2583-2602.	1.2	34
77	On the applicability of inverse perspective mapping for the forward distance estimation based on the HSV colormap. , 2017, , .		10
78	Active vibration control of an elevator system using magnetorheological damper actuator. International Journal of Nonlinear Dynamics and Control, 2017, 1, 114.	0.1	9
79	On Mode Coupling Analysis and Stability Regions to Energy Harvesting in a Two-Degrees-of-Freedom Portal Frame Platform. , 2017, , .		1
80	On an Optimal Control Applied in Atomic Force Microscopy (AFM) Including Fractional-Order. , 2017, , .		2
81	Angular Positioning and Vibration Control of a Slewing Flexible Control by Applying Smart Materials and Sliding Modes Control. , 2017, , .		1
82	A note on polynomial chaos expansions for designing a linear feedback control for nonlinear systems. Nonlinear Dynamics, 2017, 87, 1653-1666.	2.7	12
83	SDRE Control Applied to the Wheel Speed of a Compressed Air Engine with Crank-Connecting-Rod Mechanism. Shock and Vibration, 2017, 2017, 1-14.	0.3	2
84	Reduced-Order Modeling, Testing, and Control of Nonlinear Mechanical and Structural Systems. Shock and Vibration, 2017, 2017, 1-2.	0.3	0
85	Impact Dynamics Models: a Short Review on Nonlinearities Effects. International Review of Mechanical Engineering, 2017, 11, 167.	0.1	2
86	A NOTE ON CONTROL IN MICRO ELETROMACHANICAL SYSTEMS WITH HYSTERETIC DAMPING. , 2017, , .		0
87	Optimal Control applied in Slewing Control for a Flexible Structure. , 2017, , .		0
88	On Simulations and an Implementation of Chaotic and Hyperchaotic Motions of Lorenz Models. , 2017, , .		0
89	Non-ideal magnetopiezoelastic energy harvesting with nonlinear piezoelectric coupling. , 2017, , .		0
90	A Note on OLFC Control Applied in a Parametrically Excited Pendulum. , 2017, , .		0

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91	SELECTION OF THERMAL INSULATION APPLIED IN INDUSTRIAL SHED ROOF USING GENETIC ALGORITHM. , 2017, , .		0
92	P and T Waves Heart Modeling with Van der Pol Oscillator. , 2017, , .		0
93	Sommerfeld Effect in a Cantilever Beam with Double Non-ideal Sources. , 2017, , .		0
94	State Dependence Riccati Equation for the training of the Echo State Network for Control Half-Car System. , 2017, , .		0
95	Dynamical Analysis and Control of a Parametrically Excited Elastic Pendulum. , 2017, , .		0
96	Non-Ideal System With Quadratic Nonlinearities Containing a Two-to-One Internal Resonance. , 2016, , .		4
97	Chaotic Behavior in the Double Pendulum Under Parametric Resonance. , 2016, , .		3
98	Position Control of a Manipulator Robotic Arm Considering Flexible Joints Driven by a DC Motor and a Controlled Torque by a MR-Brake. , 2016, , .		4
99	Dynamic Analysis of a Fractional-Order MEMS System Using 0-1 Test. , 2016, , .		0
100	Nonlinear control strategy based on discrete-time state dependent riccati equation for electronic throttle control. , 2016, , .		0
101	Positioning Control of a Flexible Slewing Structure by Applying Sliding Mode Control. , 2016, , .		3
102	A non-ideally excited pendulum controlled by SDRE technique. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2459-2472.	0.8	11
103	Using Saturation Phenomenon to Improve Energy Harvesting in a Portal Frame Platform with Passive Control by a Pendulum. Springer Proceedings in Mathematics and Statistics, 2016, , 319-329.	0.1	0
104	A NOTE ON SDRE CONTROL APPLIED IN PREDATORâ€“PREY MODEL: BIOLOGICAL CONTROL OF SPIDER MITE PANONYCHUS ULMI. Journal of Biological Systems, 2016, 24, 333-344.	0.5	2
105	On nonlinear dynamic of a non-ideal Duffing system with fractional damping. MATEC Web of Conferences, 2016, 83, 01002.	0.1	4
106	Thermal-hydraulic analysis under partial loss of flow accident hypothesis of a plate-type fuel surrounded by two water channels using RELAP5 code. Advances in Mechanical Engineering, 2016, 8, 168781401562636.	0.8	5
107	Chaos control and sensitivity analysis of a double pendulum arm excited by an RLC circuit based nonlinear shaker. JVC/Journal of Vibration and Control, 2016, 22, 3621-3637.	1.5	45
108	Characterizing the nonlinear behavior of a pseudoelastic oscillator via the wavelet transform. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 120-132.	1.1	17

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109	The dynamic behavior of a parametrically excited time-periodic MEMS taking into account parametric errors. JVC/Journal of Vibration and Control, 2016, 22, 4101-4110.	1.5	46
110	Statements on nonlinear dynamics behavior of a pendulum, excited by a crank-shaft-slider mechanism. Meccanica, 2016, 51, 1301-1320.	1.2	10
111	Dynamics behaviour of an elastic non-ideal (NIS) portal frame, including fractional nonlinearities. Journal of Physics: Conference Series, 2016, 721, 012004.	0.3	5
112	Comments on Energy Harvesting on a 2:1 Internal Resonance Portal Frame Support Structure, Using a Nonlinear-Energy Sink as a Passive Controller. International Review of Mechanical Engineering, 2016, 10, 147.	0.1	13
113	Chaos control and impact suppression in rotor-bearing system using magnetorheological fluid. European Physical Journal: Special Topics, 2015, 224, 3023-3040.	1.2	15
114	On nonlinear dynamics behavior and control of a new model of a magnetically levitated vibrating system, excited by an unbalanced DC motor of limited power supply. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1139-1150.	0.8	11
115	Non-linear dynamics of a thermomechanical pseudoelastic oscillator excited by non-ideal energy sources. International Journal of Non-Linear Mechanics, 2015, 77, 12-27.	1.4	14
116	Proposal of a Nonlinear Piezoelectric Coupling Term to Energy Harvesting Interactions. Springer Proceedings in Physics, 2015, , 69-76.	0.1	0
117	Motion and vibration control of a slewing flexible structure by SMA actuators and parameter sensitivity analysis. European Physical Journal: Special Topics, 2015, 224, 3041-3054.	1.2	8
118	On Optimal Control of a Nonlinear Robotic Mechanism Using the Saturation Phenomenon. Springer Proceedings in Physics, 2015, , 145-165.	0.1	3
119	Signals Generated by a Sensor That Captures the Cantilever Deflection of the Atomic Force Microscope With Nonlinear Behavior. , 2014, , .		0
120	Potential Application in Energy Harvesting of Intermodal Energy Exchange in a Frame: FEM Analysis. International Journal of Structural Stability and Dynamics, 2014, 14, 1440027.	1.5	22
121	The Use of Wavelets Analysis to Characterize the Dynamic Behavior of Energy Transfer Vibrational Systems. , 2014, , .		1
122	Mode Saturation, Mode Coupling and Energy Harvesting From Ambient Vibration in a Portal Frame Structure. , 2014, , .		5
123	SDRE control strategy applied to a nonlinear robotic including drive motor. , 2014, , .		0
124	Influence of hysteresis loop shape on the nonlinear dynamics of shape memory alloy oscillator excited by non-ideal energy sources. , 2014, , .		0
125	Suppression of chaotic vibrations in a nonlinear half-car model. , 2014, , .		0
126	Preventing Chaotic Motion in Tapping-Mode Atomic Force Microscope. Journal of Control, Automation and Electrical Systems, 2014, 25, 732-740.	1.2	12

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127	An Optimal Pole Placement state feedback with Feedforward digital control applied to a three-level NPC inverter implemented in FPGA. , 2014, , .		0
128	Application of passive control to energy harvester efficiency using a nonideal portal frame structural support system. Journal of Intelligent Material Systems and Structures, 2014, 25, 417-429.	1.4	42
129	Nonlinear control in an electromechanical transducer with chaotic behaviour. Meccanica, 2014, 49, 1859.	1.2	22
130	Control of Slewing Motions of Flexible Structures Using Shape Memory Alloy. , 2014, , .		2
131	On nonlinear dynamics and control of a robotic arm with chaos. MATEC Web of Conferences, 2014, 16, 05002.	0.1	7
132	Influence of Smart Material on the Dynamical Response of Mechanical Oscillator. Springer Proceedings in Mathematics and Statistics, 2014, , 493-502.	0.1	1
133	Nonlinear Control System Applied to Atomic Force Microscope Including Parametric Errors. Journal of Control, Automation and Electrical Systems, 2013, 24, 223-231.	1.2	41
134	Performance comparison between nonlinear and linear controllers with weighted adaptive control applied to a buck converter using poles placement design. , 2013, , .		4
135	A non-ideal portal frame energy harvester controlled using a pendulum. European Physical Journal: Special Topics, 2013, 222, 1575-1586.	1.2	31
136	Performance comparison between nonlinear and linear controllers applied to a buck converter using poles placement design. , 2013, , .		2
137	On Non-ideal and Chaotic Energy Harvester Behavior. Differential Equations and Dynamical Systems, 2013, 21, 93-104.	0.5	16
138	On the Chaotic Suppression of Both Ideal and Non-ideal Duffing Based Vibrating Systems, Using a Magnetorheological Damper. Differential Equations and Dynamical Systems, 2013, 21, 105-121.	0.5	28
139	SDRE Control Applied to an Electromechanical Pendulum Excited by a Non-Ideal Motor. , 2013, , .		2
140	Comparing LQG/LTR and the SDRE Techniques for Hybrid Fully-Connected PLL Network Control. , 2013, , .		0
141	A note on non-linear phenomena in a non-ideal oscillator, with a snap-through truss absorber, including parameter uncertainties. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2013, 227, 76-86.	0.5	0
142	A Hyperbolic Tangent Adaptive PID + LQR Control Applied to a Step-Down Converter Using Poles Placement Design Implemented in FPGA. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	8
143	Microcantilever chaotic motion suppression in tapping mode atomic force microscope. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 1730-1741.	1.1	24
144	On elimination of chaotic behavior in a non-ideal portal frame structural system, using both passive and active controls. JVC/Journal of Vibration and Control, 2013, 19, 803-813.	1.5	45

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145	Nonlinear State Estimation and Control for Chaos Suppression in MEMS Resonator. Shock and Vibration, 2013, 20, 749-761.	0.3	30
146	Chaos suppression in NEMs resonators by using nonlinear control design. , 2012, , .		8
147	Nonlinear dynamics and control strategies: On a energy harvester vibrating system with a linear form to non-ideal motor torquet. MATEC Web of Conferences, 2012, 1, 08003.	0.1	6
148	Statements on chaos control designs, including a fractional order dynamical system, applied to a â€œMEMSâ€•comb-drive actuator. Nonlinear Dynamics, 2012, 69, 1837-1857.	2.7	89
149	On energy transfer phenomena, in a nonlinear ideal and nonideal essential vibrating systems, coupled to a (MR) magneto-rheological damper. Nonlinear Dynamics, 2012, 69, 1859-1880.	2.7	46
150	On a Control Design to an AFM Microcantilever Beam, Operating in a Tapping-Mode, With Irregular Behavior. , 2011, , .		0
151	BALABAN, Marcelo. Poeta do LÃ¡pis. SÃ¡tira e polÃtica na trajetÃ³ria de Angelo Agostini no Brasil Imperial (1864-1888). SÃ£o Paulo: Editora da UNICAMP, 2009, 469p.. Dialogos, 2010, 14, .	0.1	0
152	An Intelligent Controller Design for Magnetorheological Damper Based on a Quarter-car Model. JVC/Journal of Vibration and Control, 2009, 15, 1907-1920.	1.5	66
153	An optimal linear control design for nonlinear systems. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2008, 30, .	0.8	25
154	Application of a Shape Memory Absorber in Vibration Suppression. Applied Mechanics and Materials, 0, 849, 27-35.	0.2	7
155	Lane Detection Using Orientation of Gradient and Vehicle Network Signals. , 0, , .		1
156	Short comments on chaotic behavior of a double pendulum with two subharmonic frequencies and in the main resonance zone. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202000197.	0.9	2
157	Comments on the Influence of Fractional Damping on the Nonlinear Dynamics of a Portal FrameEnergy Harvester Using Wavelet Spectrum and 0â€“1 Test for Chaos. Journal of Vibration Engineering and Technologies, 0, , 1.	1.3	1
158	On suppression of chaotic motions of a portal frame structure under non-ideal loading using a magneto-rheological damper. Journal of Theoretical and Applied Mechanics, 0, , 653.	0.2	20
159	SDRE applied to position and vibration control of a robot manipulator with a flexible link. Journal of Theoretical and Applied Mechanics, 0, , 1067.	0.2	11
160	Position control of roboticmanipulator joints with twodegrees of free-domusing sdre control. , 0, , .		1
161	Mathematical modelling, nonlinear dynamics, bifurcation, synchronization and control of mechanisms driven by power supply. European Physical Journal: Special Topics, 0, , 1.	1.2	1
162	Modelagem e analise dinÃ¢mica de manipuladores robÃ³ticos com elos subatuados. , 0, , .		0

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163	CHAOTIC BEHAVIOR OF A MEMS SYSTEM CHARACTERIZED BY NONLINEAR TOOLS. , 0, , .		0
164	On Energy harvesting from nonlinear Vibrations of a magnetic levitation system excited by an Electromechanical shaker. , 0, , .		0
165	ENERGY HARVESTING SYSTEM IN THE SUSPENDED PNEUMATIC PENDULUM DEVICE EXCITED BY NON-IDEAL ENERGY SOURCE. , 0, , .		0
166	MATHEMATICAL MODEL AND NUMERICAL SIMULATIONS FOR CONTROL THE CONNECTING-ROD CRANKSHAFT ENGINE WITH COMPRESSED AIR. , 0, , .		0
167	Thermal-Hydraulic Analysis Under LOFA Hypothesis of a Plate-Type Fuel Surrounded by Two Water Channels Using Relap5 Code. , 0, , .		0
168	ANALYSIS OF THE INFLUENCE OF INTRODUCTION OF THE STABILIZER BAR ON VEHICLE DYNAMICS. , 0, , .		0
169	VIBRATION CONTROL OF A LIFT SYSTEM USING MAGNETORHEOLOGICAL DAMPER. , 0, , .		0
170	An improvement of energy harvesting using a non-energy sink (NES) device as a passive control on a 2:1 internal resonance structure. , 0, , .		0
171	APLICAÃ‡ÃƒO DE LIGAS COM MEMÃ“RIA DE FORMA NO CONTROLE DA VIBRAÃ‡ÃƒO DE VIGAS FLEXÃVEIS. , 0, , .		0
172	A NOTE ON USE OF A BOARDED PENDULUM FOR GENERATION OF ELECTRICITY. , 0, , .		0
173	Fuzzy control applied to suppress the vibration in a nonlinear lift system. , 0, , .		0
174	Dynamic analysis of an atomic force microscopy (AFM) including fractional-order. , 0, , .		0
175	Ocean Buoy for Energy Production: Short Comments on Its Irregular Behavior. Journal of Vibration Engineering and Technologies, 0, , 1.	1.3	0
176	On the reduction of nonlinear electromechanical systems. Meccanica, 0, , .	1.2	4