

Xingjian Jing

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

5,620
citations

40
h-index

70
g-index

216
ext. papers

7,059
ext. citations

4.7
avg, IF

6.91
L-index

#	Paper	IF	Citations
190	A Novel Sliding Mode Control Method for Tower Crane Systems by Employing Beneficial Disturbance Effects. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 57-69	0.2	
189	Analysis of an Arm-Toothed Rotary Electromagnetic Energy-Harvesting Damper. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 303-318	0.2	0
188	Analysis and Design of an X-Structured Nonlinear Energy Harvesting System: A Volterra Series-Based Frequency Domain Method. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 70-81	0.2	
187	Identification of Stiffness Force in Nonlinear Piezoelectric Structures Based on Hilbert Transform. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 584-596	0.2	
186	Model-free saturated PD-SMC method for 4-DOF tower crane systems. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	3
185	X-shaped mechanism based enhanced tunable QZS property for passive vibration isolation. <i>International Journal of Mechanical Sciences</i> , 2022 , 218, 107077	5.5	3
184	A compact X-shaped mechanism based 3-DOF anti-vibration unit with enhanced tunable QZS property. <i>Mechanical Systems and Signal Processing</i> , 2022 , 168, 108651	7.8	4
183	A Novel Bio-Inspired Polygon-Shaped Passive Vibration Isolator. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 888-901	0.2	0
182	A X-Shaped Nonlinear Tuned Mass Damper with Multi-variable Optimization. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 1062-1077	0.2	
181	Characterization and implementation of a double-sided arm-toothed indirect-drive rotary electromagnetic energy-harvesting shock absorber in a full semi-trailer truck suspension platform. <i>Energy</i> , 2022 , 239, 121976	7.9	3
180	Nonlinear Restoring Force Subspace Identification of Negative Stiffness Nonlinear Oscillators 2022 , 379-389		
179	A novel frequency domain feature-based approach for diagnosis of failure faults in complex structures with interconnected joints. <i>Mechanical Systems and Signal Processing</i> , 2022 , 173, 109064	7.8	0
178	Biomimetic omnidirectional multi-tail underwater robot. <i>Mechanical Systems and Signal Processing</i> , 2022 , 173, 109056	7.8	1
177	Saturated PD-SMC method for suspension systems by exploiting beneficial nonlinearities for improved vibration reduction and energy-saving performance. <i>Mechanical Systems and Signal Processing</i> , 2022 , 179, 109376	7.8	0
176	Bio-inspired structure reference model oriented robust full vehicle active suspension system control via constraint-following. <i>Mechanical Systems and Signal Processing</i> , 2022 , 179, 109368	7.8	0
175	In-situ adjustable nonlinear passive stiffness using X-shaped mechanisms. <i>Mechanical Systems and Signal Processing</i> , 2021 , 170, 108267	7.8	7
174	Switching logic-based saturated tracking control for active suspension systems based on disturbance observer and bioinspired X-dynamics. <i>Mechanical Systems and Signal Processing</i> , 2021 , 155, 107611	7.8	7

173	Kinematic modeling and constraint analysis for robotic excavator operations in piling construction. <i>Automation in Construction</i> , 2021 , 126, 103666	9.6	7
172	A Bioinspired Dynamics-Based Adaptive Fuzzy SMC Method for Half-Car Active Suspension Systems With Input Dead Zones and Saturations. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1743-1755	10.2	29
171	Online Kernel Learning With Adaptive Bandwidth by Optimal Control Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 1920-1934	10.3	1
170	A novel second-order output spectrum based local tuning method for locating bolt-loosening faults. <i>Mechanical Systems and Signal Processing</i> , 2021 , 147, 107104	7.8	10
169	Energy-Saving Robust Saturated Control for Active Suspension Systems via Employing Beneficial Nonlinearity and Disturbance. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
168	Distributed Sampled-Data Nonfragile Consensus Filtering over Sensor Networks with Topology Switching and Transmission Delay. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	1
167	Adaptive Neural Network Tracking Control for Double-Pendulum Tower Crane Systems With Nonideal Inputs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-17	7.3	14
166	Field measurements of the harvestable power potentiality of an off-road sport-utility vehicle. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 179, 109381	4.6	4
165	Parameter identification of nonlinear bistable piezoelectric structures by two-stage subspace method. <i>Nonlinear Dynamics</i> , 2021 , 105, 2157-2172	5	3
164	A nonlinear X-shaped structure based tuned mass damper with multi-variable optimization (X-absorber). <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 99, 105829	3.7	8
163	A bistable X-structured electromagnetic wave energy converter with a novel mechanical-motion-rectifier: Design, analysis, and experimental tests. <i>Energy Conversion and Management</i> , 2021 , 244, 114466	10.6	8
162	An integrated nonlinear passive vibration control system and its vibration reduction properties. <i>Journal of Sound and Vibration</i> , 2021 , 509, 116231	3.9	6
161	Bioinspired Nonlinear Dynamics-Based Adaptive Neural Network Control for Vehicle Suspension Systems With Uncertain/Unknown Dynamics and Input Delay. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12646-12656	8.9	14
160	On positive realness and negative imaginarity of uncertain discrete-time state-space symmetric systems. <i>International Journal of Systems Science</i> , 2020 , 51, 1406-1417	2.3	1
159	Bio-inspired anti-impact manipulator for capturing non-cooperative spacecraft: theory and experiment. <i>Mechanical Systems and Signal Processing</i> , 2020 , 142, 106785	7.8	14
158	Vibration characteristics of novel multilayer sandwich beams: Modelling, analysis and experimental validations. <i>Mechanical Systems and Signal Processing</i> , 2020 , 142, 106799	7.8	18
157	A systematic second-order output spectrum based method for fault diagnosis with a local tuning approach. <i>Journal of Sound and Vibration</i> , 2020 , 475, 115283	3.9	4
156	Necessary and sufficient conditions for lossless negative imaginary systems. <i>Journal of the Franklin Institute</i> , 2020 , 357, 2330-2353	4	1

155	Adaptive Neural Network Control for Double-Pendulum Tower Crane Systems. <i>Communications in Computer and Information Science</i> , 2020 , 83-96	0.3	
154	Effect of thermal protection system size on aerothermoelastic stability of the hypersonic panel. <i>Aerospace Science and Technology</i> , 2020 , 106, 106170	4.9	9
153	Damage detection techniques for wind turbine blades: A review. <i>Mechanical Systems and Signal Processing</i> , 2020 , 141, 106445	7.8	80
152	A novel bio-inspired multi-joint anti-vibration structure and its nonlinear HSLDS properties. <i>Mechanical Systems and Signal Processing</i> , 2020 , 138, 106552	7.8	50
151	Necessary and Sufficient Conditions on Negative Imaginariness for Interval SISO Transfer Functions and Their Interconnection. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4362-4368	5.9	3
150	Analysis and design of a novel and compact X-structured vibration isolation mount (X-Mount) with wider quasi-zero-stiffness range. <i>Nonlinear Dynamics</i> , 2020 , 101, 2195-2222	5	24
149	Fault diagnosis of bolt loosening in structures with a novel second-order output spectrum-based method. <i>Structural Health Monitoring</i> , 2020 , 19, 123-141	4.4	17
148	Autonomous Navigation of a Tracked Mobile Robot With Novel Passive Bio-Inspired Suspension. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2633-2644	5.5	6
147	Novel tunable broadband piezoelectric harvesters for ultralow-frequency bridge vibration energy harvesting. <i>Applied Energy</i> , 2019 , 255, 113829	10.7	42
146	Formulation of a new gradient descent MARG orientation algorithm: Case study on robot teleoperation. <i>Mechanical Systems and Signal Processing</i> , 2019 , 130, 183-200	7.8	34
145	Study on Structures Incorporated With MR Damping Material Based on PSO Algorithm. <i>Frontiers in Materials</i> , 2019 , 6,	4	4
144	A tunable nonlinear vibrational energy harvesting system with scissor-like structure. <i>Mechanical Systems and Signal Processing</i> , 2019 , 125, 202-214	7.8	20
143	Online Identification of Nonlinear Stochastic Spatiotemporal System With Multiplicative Noise by Robust Optimal Control-Based Kernel Learning Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 389-404	10.3	10
142	Nonlinear stiffness and dynamical response characteristics of an asymmetric X-shaped structure. <i>Mechanical Systems and Signal Processing</i> , 2019 , 125, 142-169	7.8	56
141	Critical factors in designing a class of X-shaped structures for vibration isolation. <i>Engineering Structures</i> , 2019 , 199, 109659	4.7	15
140	Robust Online Learning Method Based on Dynamical Linear Quadratic Regulator. <i>IEEE Access</i> , 2019 , 7, 117780-117795	3.5	1
139	The second-order output spectrum-based method for fault localization in ring type structures. <i>Nonlinear Dynamics</i> , 2019 , 98, 1935-1955	5	5
138	A second-order output spectrum based method for detecting bolt-loosening fault in a satellite-like structure. <i>HKIE Transactions</i> , 2019 , 26, 157-165	2.9	

137	Bio-inspired anti-vibration with nonlinear inertia coupling. <i>Mechanical Systems and Signal Processing</i> , 2019 , 124, 562-595	7.8	31
136	Human body inspired vibration isolation: Beneficial nonlinear stiffness, nonlinear damping & nonlinear inertia. <i>Mechanical Systems and Signal Processing</i> , 2019 , 117, 786-812	7.8	56
135	A novel bio-inspired anti-vibration structure for operating hand-held jackhammers. <i>Mechanical Systems and Signal Processing</i> , 2019 , 118, 317-339	7.8	50
134	Fuzzy Adaptive Control for Nonlinear Suspension Systems Based on a Bioinspired Reference Model With Deliberately Designed Nonlinear Damping. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8713-8723	8.9	19
133	Test and simulation the failure characteristics of twin tube shock absorber. <i>Mechanical Systems and Signal Processing</i> , 2019 , 122, 707-719	7.8	23
132	A New Design of Asynchronous Observer-Based Output-Feedback Control for Piecewise-Affine Systems 2019 , 3, 338-343		0
131	Subharmonics and ultra-subharmonics of a bio-inspired nonlinear isolation system. <i>International Journal of Mechanical Sciences</i> , 2019 , 152, 167-184	5.5	22
130	Nonlinear analysis of a bio-inspired vertically asymmetric isolation system under different structural constraints. <i>Nonlinear Dynamics</i> , 2019 , 95, 445-464	5	21
129	Superior nonlinear passive damping characteristics of the bio-inspired limb-like or X-shaped structure. <i>Mechanical Systems and Signal Processing</i> , 2019 , 125, 21-51	7.8	52
128	Modeling and dynamic analysis of accessory drive systems with integrated starter generator for micro-hybrid vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 1162-1177	1.4	6
127	Fault Detection Based on a Bio-Inspired Vibration Sensor System. <i>IEEE Access</i> , 2018 , 6, 10867-10877	3.5	5
126	Analysis and Design of a Bioinspired Vibration Sensor System in Noisy Environment. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 845-855	5.5	29
125	Post-capture vibration suppression of spacecraft via a bio-inspired isolation system. <i>Mechanical Systems and Signal Processing</i> , 2018 , 105, 214-240	7.8	70
124	An optimized virtual beam-based event-oriented algorithm for multiple fault localization in vibrating structures. <i>Nonlinear Dynamics</i> , 2018 , 91, 2293-2318	5	1
123	Modeling and analysis of friction clutch at a driveline for suppressing car starting judder. <i>Journal of Sound and Vibration</i> , 2018 , 424, 335-351	3.9	20
122	Vibration signalBased fault diagnosis in complex structures: A beam-like structure approach. <i>Structural Health Monitoring</i> , 2018 , 17, 472-493	4.4	9
121	A Bioinspired Dynamics-Based Adaptive Tracking Control for Nonlinear Suspension Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 903-914	4.8	95
120	A 6-DOF passive vibration isolator based on Stewart structure with X-shaped legs. <i>Nonlinear Dynamics</i> , 2018 , 91, 157-185	5	39

119	Improving low-frequency piezoelectric energy harvesting performance with novel X-structured harvesters. <i>Nonlinear Dynamics</i> , 2018 , 94, 1409-1428	5	18
118	Wind-driven hybridized triboelectric-electromagnetic nanogenerator and solar cell as a sustainable power unit for self-powered natural disaster monitoring sensor networks. <i>Nano Energy</i> , 2018 , 52, 78-87	17.1	64
117	Nonlinear mechanics of flexible cables in space robotic arms subject to complex physical environment. <i>Nonlinear Dynamics</i> , 2018 , 94, 649-667	5	4
116	Active Vibration Control of Composite Pyramidal Lattice Truss Core Sandwich Plates. <i>Journal of Aerospace Engineering</i> , 2018 , 31, 04017097	1.4	16
115	2018 ,		1
114	Preparation and Tests of MR Fluids With CI Particles Coated With MWNTs. <i>Frontiers in Materials</i> , 2018 , 5,	4	8
113	Accurate modeling and analysis of a bio-inspired isolation system: with application to on-orbit capture. <i>Mechanical Systems and Signal Processing</i> , 2018 , 109, 111-133	7.8	25
112	Vibrational energy harvesting by exploring structural benefits and nonlinear characteristics. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 48, 288-306	3.7	32
111	A comprehensive review on vibration energy harvesting: Modelling and realization. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 1-18	16.2	435
110	On Convergence of Volterra Series Expansion of a Class of Nonlinear Systems. <i>Asian Journal of Control</i> , 2017 , 19, 1089-1102	1.7	6
109	Adaptive tracking control for stochastic mechanical systems with actuator nonlinearities. <i>Journal of the Franklin Institute</i> , 2017 , 354, 2725-2741	4	3
108	A discrete bacterial algorithm for feature selection in classification of microarray gene expression cancer data. <i>Knowledge-Based Systems</i> , 2017 , 126, 8-19	7.3	57
107	Nonlinear responses and stability analysis of viscoelastic nanoplate resting on elastic matrix under 3:1 internal resonances. <i>International Journal of Mechanical Sciences</i> , 2017 , 128-129, 94-104	5.5	13
106	Adaptive Fuzzy Control for Nonlinear Networked Control Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2420-2430	7.3	110
105	Modelling of the rotational vibrations of the engine front-end accessory drive system: a generic method. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2017 , 231, 1780-1795	1.4	8
104	Nonlinear vibration energy harvesting with adjustable stiffness, damping and inertia. <i>Nonlinear Dynamics</i> , 2017 , 88, 79-95	5	15
103	Adaptive tracking control for active suspension systems with non-ideal actuators. <i>Journal of Sound and Vibration</i> , 2017 , 399, 2-20	3.9	62
102	Fault diagnosis of sensor networked structures with multiple faults using a virtual beam based approach. <i>Journal of Sound and Vibration</i> , 2017 , 399, 308-329	3.9	5

101	A second-order output spectrum approach for fault detection of bolt loosening in a satellite-like structure with a sensor chain. <i>Nonlinear Dynamics</i> , 2017 , 89, 587-606	5	20
100	Nonlinear passive damping of the X-shaped structure. <i>Procedia Engineering</i> , 2017 , 199, 1701-1706		7
99	A multi-virtual-output approach to frequency domain analysis of exponential-type nonlinear systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017 , 1-13	3.9	3
98	A sensor network based virtual beam-like structure method for fault diagnosis and monitoring of complex structures with Improved Bacterial Optimization. <i>Mechanical Systems and Signal Processing</i> , 2017 , 84, 15-38	7.8	15
97	Robust finite-time tracking control for nonlinear suspension systems via disturbance compensation. <i>Mechanical Systems and Signal Processing</i> , 2017 , 88, 49-61	7.8	52
96	Fuzzy Tracking Control for Nonlinear Networked Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2020-2031	10.2	97
95	A tracked robot with novel bio-inspired passive "legs". <i>Robotics and Biomimetics</i> , 2017 , 4, 18		6
94	Band stop vibration suppression using a passive X-shape structured lever-type isolation system. <i>Mechanical Systems and Signal Processing</i> , 2016 , 68-69, 342-353	7.8	49
93	Design of a quasi-zero-stiffness based sensor system for the measurement of absolute vibration displacement of moving platforms. <i>Smart Materials and Structures</i> , 2016 , 25, 097002	3.4	8
92	A 6DOF passive vibration isolator using X-shape supporting structures. <i>Journal of Sound and Vibration</i> , 2016 , 380, 90-111	3.9	64
91	Disturbance Observer-Based Adaptive Tracking Control With Actuator Saturation and Its Application. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 868-875	4.9	145
90	Adaptive Fuzzy backstepping dynamic surface control for nonlinear Input-delay systems. <i>Neurocomputing</i> , 2016 , 199, 58-65	5.4	35
89	A Novel Characteristic Parameter Approach for Analysis and Design of Linear Components in Nonlinear Systems. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 2528-2540	4.8	7
88	Identification of Nonlinear Spatiotemporal Dynamical Systems With Nonuniform Observations Using Reproducing-Kernel-Based Integral Least Square Regulation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2399-2412	10.3	4
87	Vibration energy harvesting with a nonlinear structure. <i>Nonlinear Dynamics</i> , 2016 , 84, 2079-2098	5	30
86	A nonlinear decomposition and regulation method for nonlinearity characterization. <i>Nonlinear Dynamics</i> , 2016 , 83, 1355-1377	5	19
85	The interior working mechanism and temperature characteristics of a fluid based micro-vibration isolator. <i>Journal of Sound and Vibration</i> , 2016 , 360, 1-16	3.9	7
84	Analysis and design of a nonlinear stiffness and damping system with a scissor-like structure. <i>Mechanical Systems and Signal Processing</i> , 2016 , 66-67, 723-742	7.8	89

83	Bacterial-inspired feature selection algorithm and its application in fault diagnosis of complex structures 2016 ,		3
82	A nonlinear vibration isolator achieving high-static-low-dynamic stiffness and tunable anti-resonance frequency band. <i>Mechanical Systems and Signal Processing</i> , 2016 , 80, 166-188	7.8	74
81	Vibration isolation analysis of clutches based on trouble shooting of vehicle accelerating noise. <i>Journal of Sound and Vibration</i> , 2016 , 382, 84-99	3.9	15
80	Global decentralized output-feedback stabilization of large-scale stochastic high-order nonlinear systems with multi-delays. <i>Journal of the Franklin Institute</i> , 2016 , 353, 3944-3965	4	7
79	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 254-262	5.5	22
78	Frequency Domain Analysis and Design of Nonlinear Systems based on Volterra Series Expansion. <i>Understanding Complex Systems</i> , 2015 ,	0.4	29
77	Multi-direction vibration isolation with quasi-zero stiffness by employing geometrical nonlinearity. <i>Mechanical Systems and Signal Processing</i> , 2015 , 62-63, 149-163	7.8	109
76	Nonlinear vibration analysis of double-layered nanoplates with different boundary conditions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 1532-1537	2.3	18
75	An SIMO Nonlinear System Approach to Analysis and Design of Vehicle Suspensions. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 3098-3111	5.5	12
74	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 1-1	5.5	9
73	Vibration isolation by exploring bio-inspired structural nonlinearity. <i>Bioinspiration and Biomimetics</i> , 2015 , 10, 056015	2.6	81
72	Recent advances in micro-vibration isolation. <i>Mechanical Systems and Signal Processing</i> , 2015 , 56-57, 55-808		222
71	Vibration isolation using a hybrid lever-type isolation system with an X-shape supporting structure. <i>International Journal of Mechanical Sciences</i> , 2015 , 98, 169-177	5.5	51
70	Identification of partially known non-linear stochastic spatio-temporal dynamical systems by using a novel partially linear Kernel method. <i>IET Control Theory and Applications</i> , 2015 , 9, 21-33	2.5	8
69	Using Nonlinearity for Output Vibration Suppression: An Application Study. <i>Understanding Complex Systems</i> , 2015 , 179-205	0.4	
68	A bio-inspired structure for vibration isolation 2015 ,		1
67	Parametric Characteristic Analysis. <i>Understanding Complex Systems</i> , 2015 , 53-63	0.4	
66	Mapping from Parametric Characteristics to the GFRFs and Output Spectrum. <i>Understanding Complex Systems</i> , 2015 , 207-235	0.4	

65	The Parametric Characteristics Based Output Spectrum Analysis. <i>Understanding Complex Systems</i> , 2015 , 113-131	0.4	
64	Magnitude Bound Characteristics of Nonlinear Frequency Response Functions. <i>Understanding Complex Systems</i> , 2015 , 269-296	0.4	
63	Output Frequency Characteristics of Nonlinear Systems. <i>Understanding Complex Systems</i> , 2015 , 31-52	0.4	
62	The Alternating Series Approach to Nonlinear Influence in the Frequency Domain. <i>Understanding Complex Systems</i> , 2015 , 237-268	0.4	
61	Nonlinear Characteristic Output Spectrum. <i>Understanding Complex Systems</i> , 2015 , 153-177	0.4	
60	The Parametric Characteristics of Nonlinear Output Spectrum and Applications. <i>Understanding Complex Systems</i> , 2015 , 83-111	0.4	
59	Determination of Nonlinear Output Spectrum Based on Its Parametric Characteristics: Some Theoretical Issues. <i>Understanding Complex Systems</i> , 2015 , 133-151	0.4	
58	The Generalized Frequency Response Functions and Output Spectrum of Nonlinear Systems. <i>Understanding Complex Systems</i> , 2015 , 9-30	0.4	
57	Fuzzy sampled-data control for uncertain vehicle suspension systems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1111-26	10.2	252
56	Nonlinear Characteristic Output Spectrum for Nonlinear Analysis and Design. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014 , 19, 171-183	5.5	50
55	Output-Feedback-Based H_{∞} Control for Vehicle Suspension Systems With Control Delay. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 436-446	8.9	389
54	Beneficial performance of a quasi-zero-stiffness vibration isolator with time-delayed active control. <i>International Journal of Mechanical Sciences</i> , 2014 , 82, 32-40	5.5	79
53	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 5606-5614	8.9	16
52	Estimation of parametric convergence bounds for Volterra series expansion of nonlinear systems. <i>Mechanical Systems and Signal Processing</i> , 2014 , 45, 28-48	7.8	10
51	Indirect adaptive fuzzy control for input and output constrained nonlinear systems using a barrier Lyapunov function. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 184-199	2.8	70
50	Adaptive fuzzy control of uncertain stochastic nonlinear systems with unknown dead zone using small-gain approach. <i>Fuzzy Sets and Systems</i> , 2014 , 235, 1-24	3.7	64
49	An Improved ZMP-Based CPG Model of Bipedal Robot Walking Searched by SaDE. <i>ISRN Robotics</i> , 2014 , 2014, 1-16		1
48	A frequency-domain approach to crack-related fault detection 2014 ,		1

47	Biomimetic design of woodpecker for shock and vibration protection 2014 ,		3
46	Vibration isolation via a scissor-like structured platform. <i>Journal of Sound and Vibration</i> , 2014 , 333, 2404-2420	3.9	109
45	. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 5026-5038	4.8	16
44	The transmissibility of vibration isolators with cubic nonlinear damping under both force and base excitations. <i>Journal of Sound and Vibration</i> , 2013 , 332, 1335-1354	3.9	53
43	Optimal design of control valves in magnetorheological fluid dampers using a nondimensional analytical method. <i>Journal of Intelligent Material Systems and Structures</i> , 2013 , 24, 108-129	2.3	20
42	Adaptive fuzzy decentralized dynamics surface control for nonlinear large-scale systems based on high-gain observer. <i>Information Sciences</i> , 2013 , 235, 287-307	7.7	24
41	An Optimal PID Control Algorithm for Training Feedforward Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 2273-2283	8.9	52
40	Identification of non-linear stochastic spatiotemporal dynamical systems. <i>IET Control Theory and Applications</i> , 2013 , 7, 2069-2083	2.5	4
39	Computation of Parametric Convergence Bound and Parametric Convergence Margin for Volterra series expansion 2013 ,		2
38	Understanding neuronal systems in movement control using Wiener/Volterra kernels: a dominant feature analysis. <i>Journal of Neuroscience Methods</i> , 2012 , 203, 220-32	3	4
37	Robust adaptive learning of feedforward neural networks via LMI optimizations. <i>Neural Networks</i> , 2012 , 31, 33-45	9.1	28
36	Truncation order and its effect in a class of nonlinear systems. <i>Automatica</i> , 2012 , 48, 2978-2985	5.7	14
35	Magnetorheological fluid dampers: A review on structure design and analysis. <i>Journal of Intelligent Material Systems and Structures</i> , 2012 , 23, 839-873	2.3	231
34	Systematic design of a magneto-rheological fluid embedded pneumatic vibration isolator subject to practical constraints. <i>Smart Materials and Structures</i> , 2012 , 21, 035006	3.4	8
33	Online identification of nonlinear spatiotemporal systems using kernel learning approach. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1381-94		18
32	An H(∞) control approach to robust learning of feedforward neural networks. <i>Neural Networks</i> , 2011 , 24, 759-66	9.1	8
31	Frequency domain analysis and identification of block-oriented nonlinear systems. <i>Journal of Sound and Vibration</i> , 2011 , 330, 5427-5442	3.9	30
30	Nonlinear influence in the frequency domain: Alternating series. <i>Systems and Control Letters</i> , 2011 , 60, 295-309	2.4	39

29	A magnetorheological fluid embedded pneumatic vibration isolator allowing independently adjustable stiffness and damping. <i>Smart Materials and Structures</i> , 2011 , 20, 085025	3.4	21
28	Coding characteristics of spiking local interneurons during imposed limb movements in the locust. <i>Journal of Neurophysiology</i> , 2010 , 103, 603-15	3.2	8
27	The Transmissibility of Vibration Isolators With a Nonlinear Antisymmetric Damping Characteristic. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2010 , 132,	1.6	22
26	Output frequency properties of nonlinear systems. <i>International Journal of Non-Linear Mechanics</i> , 2010 , 45, 681-690	2.8	43
25	On the Generalized Frequency Response Functions of Volterra Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2009 , 131,	1.6	15
24	Frequency domain analysis of a dimensionless cubic nonlinear damping system subject to harmonic input. <i>Nonlinear Dynamics</i> , 2009 , 58, 469-485	5	53
23	Parametric Characteristic Analysis for Generalized Frequency Response Functions of Nonlinear Systems. <i>Circuits, Systems, and Signal Processing</i> , 2009 , 28, 699-733	2.2	16
22	Determination of the analytical parametric relationship for output spectrum of Volterra systems based on its parametric characteristics. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 351, 694-706	1.1	15
21	Theoretical study of the effects of nonlinear viscous damping on vibration isolation of sdof systems. <i>Journal of Sound and Vibration</i> , 2009 , 323, 352-365	3.9	110
20	Frequency-Dependent Magnitude Bounds of the Generalized Frequency Response Functions for NARX Model. <i>European Journal of Control</i> , 2009 , 15, 68-83	2.5	9
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