

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3388371/jian-xu-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

86
papers

923
citations

18
h-index

26
g-index

89
ext. papers

1,110
ext. citations

2.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
86	Major Pleistocene stages in a carbon perspective: The South China Sea record and its global comparison. <i>Paleoceanography</i> , 2004 , 19, n/a-n/a		74
85	Codimension-two bursting analysis in the delayed neural system with external stimulations. <i>Nonlinear Dynamics</i> , 2012 , 67, 309-328	5	53
84	DELAY-INDUCED BIFURCATIONS IN A NONAUTONOMOUS SYSTEM WITH DELAYED VELOCITY FEEDBACKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 2777-2798	2	50
83	Stick-Slip Effect in a Vibration-Driven System With Dry Friction: Sliding Bifurcations and Optimization. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	36
82	Stability switches and Bogdanov-Takens bifurcation in an inertial two-neuron coupling system with multiple delays. <i>Science China Technological Sciences</i> , 2014 , 57, 893-904	3.5	35
81	Hopf bifurcation and chaos in an inertial neuron system with coupled delay. <i>Science China Technological Sciences</i> , 2013 , 56, 2299-2309	3.5	31
80	A comprehensive study on the locomotion characteristics of a metameric earthworm-like robot. <i>Multibody System Dynamics</i> , 2015 , 35, 153-177	2.8	29
79	Stability switches and double Hopf bifurcation in a two-neural network system with multiple delays. <i>Cognitive Neurodynamics</i> , 2013 , 7, 505-21	4.2	29
78	FOLD-HOPF BIFURCATION ANALYSIS FOR A COUPLED FITZHUGH-HAGUMO NEURAL SYSTEM WITH TIME DELAY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 3919-3934	2	25
77	The Combination of High-Gain Sliding Mode Observers Used as Receivers in Secure Communication. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 2702-2712	3.9	24
76	A perturbation-incremental scheme for studying Hopf bifurcation in delayed differential systems. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 698-708		24
75	Dynamics of a three-module vibration-driven system with non-symmetric Coulomb-dry friction. <i>Multibody System Dynamics</i> , 2012 , 27, 455-485	2.8	23
74	Multitype Activity Coexistence in an Inertial Two-Neuron System with Multiple Delays. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1530040	2	23
73	Experimental studies on active control of a dynamic system via a time-delayed absorber. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2015 , 31, 229-247	2	22
72	Pattern dynamics of a predator-prey reaction-diffusion model with spatiotemporal delay. <i>Nonlinear Dynamics</i> , 2015 , 81, 2155-2163	5	22
71	Delayed saturation controller for vibration suppression in a stainless-steel beam. <i>Nonlinear Dynamics</i> , 2010 , 62, 177-193	5	20
70	A vibration-driven planar locomotion robot-shell. <i>Robotica</i> , 2018 , 36, 1402-1420	2.1	18

69	Controlled motion of a two-module vibration-driven system induced by internal acceleration-controlled masses. <i>Archive of Applied Mechanics</i> , 2012 , 82, 461-477	2.2	18
68	Multiple scales analysis for double Hopf bifurcation with 1:3 resonance. <i>Nonlinear Dynamics</i> , 2011 , 66, 39-51	5	18
67	Nonlinear chatter with large amplitude in a cylindrical plunge grinding process. <i>Nonlinear Dynamics</i> , 2012 , 69, 1781-1793	5	17
66	Flow-induced internal resonances and mode exchange in horizontal cantilevered pipe conveying fluid (I). <i>Applied Mathematics and Mechanics (English Edition)</i> , 2006 , 27, 935-941	3.2	17
65	A comprehensive study on the locomotion characteristics of a metameric earthworm-like robot. <i>Multibody System Dynamics</i> , 2015 , 34, 391-413	2.8	15
64	Fold-Hopf bifurcation in a simplified four-neuron BAM (bidirectional associative memory) neural network with two delays. <i>Science China Technological Sciences</i> , 2010 , 53, 633-644	3.5	15
63	Basins of attraction of the bistable region of time-delayed cutting dynamics. <i>Physical Review E</i> , 2017 , 96, 032205	2.4	14
62	An improved time-delay saturation controller for suppression of nonlinear beam vibration. <i>Nonlinear Dynamics</i> , 2015 , 82, 1691-1707	5	14
61	Regenerative and frictional chatter in plunge grinding. <i>Nonlinear Dynamics</i> , 2016 , 86, 283-307	5	13
60	An analytic criterion for generalized synchronization in unidirectionally coupled systems based on the auxiliary system approach. <i>Chaos</i> , 2012 , 22, 033146	3.3	13
59	Regenerative chatter in self-interrupted plunge grinding. <i>Meccanica</i> , 2016 , 51, 3185-3202	2.1	12
58	Calcium carbonate pump during Quaternary glacial cycles in the South China Sea. <i>Science Bulletin</i> , 2003 , 48, 1862-1869		12
57	Stability and dynamics of parallel plunge grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 99, 881-895	3.2	11
56	Zero-Hopf bifurcation and multistability coexistence on a four-neuron network model with multiple delays. <i>Nonlinear Dynamics</i> , 2017 , 87, 2357-2366	5	11
55	Parameter design for a vibration absorber with time-delayed feedback control. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019 , 35, 624-640	2	10
54	Regenerative chatter in a plunge grinding process with workpiece imbalance. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 2845-2862	3.2	10
53	Flow-induced internal resonances and mode exchange in horizontal cantilevered pipe conveying fluid (II). <i>Applied Mathematics and Mechanics (English Edition)</i> , 2006 , 27, 943-951	3.2	10
52	Dynamics and Realization of a Feedback-Controlled Nonlinear Isolator With Variable Time Delay. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019 , 141,	1.6	10

51	Nonlinear equivalent model and its identification for a delayed absorber with magnetic action using distorted measurement. <i>Nonlinear Dynamics</i> , 2017 , 88, 937-954	5	9
50	Stability and oscillations in a slow-fast flexible joint system with transformation delay. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014 , 30, 727-738	2	9
49	Planar locomotion of earthworm-like metameric robots. <i>International Journal of Robotics Research</i> , 2019 , 38, 1751-1774	5.7	8
48	AN EFFICIENT METHOD FOR STUDYING FOLD-HOPF BIFURCATION IN DELAYED NEURAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 1393-1406	2	8
47	The time-delay coupling nonlinear effect in sky-hook control of vibration isolation systems using Magneto-Rheological Fluid dampers. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 4157-4166	1.6	7
46	Yoshimura-origami Based Earthworm-like Robot With 3-dimensional Locomotion Capability. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 738214	2.8	7
45	Applications of the integral equation method to delay differential equations. <i>Nonlinear Dynamics</i> , 2013 , 73, 2241-2260	5	6
44	Oscillation control for n-dimensional congestion control model via time-varying delay. <i>Science China Technological Sciences</i> , 2011 , 54, 2044-2053	3.5	6
43	Stability switches and bifurcation analysis in a coupled neural system with multiple delays. <i>Science China Technological Sciences</i> , 2016 , 59, 920-931	3.5	5
42	Mixed-coexistence of periodic orbits and chaotic attractors in an inertial neural system with a nonmonotonic activation function. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 6406-6425	2.1	5
41	Event-Triggered Adaptive Neural Network Control of Manipulators with Model-Based Weights Initialization Method. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020 , 7, 443-454	3.8	5
40	Bi-objective optimization for improving the locomotion performance of the vibration-driven robot. <i>Archive of Applied Mechanics</i> , 2021 , 91, 2073-2088	2.2	5
39	An Extended Synchronization Method to Identify Slowly Time-Varying Parameters in Nonlinear Systems. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 438-448	4.8	4
38	Lateral periodic vibrations of footbridges under crowd excitation. <i>Nonlinear Dynamics</i> , 2016 , 86, 1701-1710	5.0	4
37	Double Hopf bifurcation in a four-neuron delayed system with inertial terms. <i>Nonlinear Dynamics</i> , 2015 , 82, 1969-1978	5	3
36	Energy determines multiple stability in time-delayed systems. <i>Nonlinear Dynamics</i> , 2020 , 102, 2399-2416	5	3
35	Indo-Pacific Hydroclimate in Response to Changes of the Intertropical Convergence Zone: Discrepancy on Precession and Obliquity Bands Over the Last 410 kyr. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032125	4.4	3
34	Analysis of vibration suppression of master structure in nonlinear systems using nonlinear delayed absorber. <i>International Journal of Dynamics and Control</i> , 2014 , 2, 55-67	1.7	3

33	Bursting-like motion induced by time-varying delay in an internet congestion control model. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012 , 28, 1169-1179	2	3
32	Application of Nakamura's Model to Describe the Delayed Increase in Lateral Vibration of Footbridges. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 1708-1713	2.4	3
31	Dynamics of multi-rigid-body systems under non-smooth constraints and linear complementary problems. <i>International Journal of Computer Mathematics</i> , 2008 , 85, 889-898	1.2	3
30	Distributed Adaptive Synchronization Control with Friction Compensation of Networked Lagrange Systems. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 1038-1048	2.9	3
29	Experiment-based identification of time delays in linear systems. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017 , 33, 429-439	2	2
28	Analysis of a Car-Following Model with Driver Memory Effect. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550057	2	2
27	The Optimal Locomotion of a Self-Propelled Worm Actuated by Two Square Waves. <i>Micromachines</i> , 2017 , 8,	3.3	2
26	A simple approach to achieve modified projective synchronization between two different chaotic systems. <i>Scientific World Journal, The</i> , 2013 , 2013, 568194	2.2	2
25	Sliding state stepping algorithm for solving impact problems of multi-rigid-body system with joint friction. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2007 , 28, 1621-1627	3.2	2
24	Carbon isotopic record of foraminifers in surface sediments from the South China Sea and its significance. <i>Science Bulletin</i> , 2005 , 50, 162-166		2
23	Tunable broadband low-frequency band gap of multiple-layer metastructure induced by time-delayed vibration absorbers. <i>Nonlinear Dynamics</i> , 2022 , 107, 1903	5	2
22	Experimental study of event-based neural network control on parallel manipulator. <i>Mechatronics</i> , 2021 , 75, 102514	3	2
21	Establishment of the equal-peak principle for a multiple-DOF nonlinear system with multiple time-delayed vibration absorbers. <i>Nonlinear Dynamics</i> , 2021 , 104, 241-266	5	2
20	Online Adaptive PID Control for a Multi-Joint Lower Extremity Exoskeleton System Using Improved Particle Swarm Optimization. <i>Machines</i> , 2022 , 10, 21	2.9	2
19	A frequency-domain method for solving linear time delay systems with constant coefficients. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018 , 34, 781-791	2	1
18	Time-delay identification for vibration systems with multiple feedback. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 1138-1148	2	1
17	A three-phase vibration-driven system's locomotion on an isotropic rough surface 2015 ,		1
16	Synchronization Transition and Traffic Congestion in One-Dimensional Traffic Model. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-10	0.7	1

15	Analysis of Critical Velocities for an Infinite Timoshenko Beam Resting on an Elastic Foundation Subjected to a Harmonic Moving Load. <i>Shock and Vibration</i> , 2014 , 2014, 1-9	1.1	1
14	Effects of Time Delay and Noise on Asymptotic Stability in Human Quiet Standing Model. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-14	1.1	1
13	Singular Characteristics of Nonlinear Normal Modes in a Two Degrees of Freedom Asymmetric Systems with Cubic Nonlinearities. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2001 , 22, 972-982	3.2	1
12	Suppression of oscillatory congestion via trunk link bandwidth and control gain in star network. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019 , 40, 25-48	3.2	1
11	Variability in Indonesian Throughflow Upper Hydrology in Response to Precession-Induced Tropical Climate Processes Over the Past 120kyr. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2020JC017014	3.3	1
10	Effects of delays on the basin boundary of attraction in a hopfield network of two delay-connecting neurons. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 2009 , 13, 161-80	0.4	1
9	Self-/mutual-symmetric rhythms and their coexistence in a delayed half-center oscillator of the CPG neural system. <i>Nonlinear Dynamics</i> , 1	5	1
8	Effects of Currents on Human Freestyle and Breaststroke Swimming Analyzed by a Rigid-Body Dynamic Model. <i>Machines</i> , 2022 , 10, 17	2.9	1
7	Worm-like motion enabled by changing the position of mass center in the anisotropic environment. <i>Archive of Applied Mechanics</i> , 2020 , 90, 1059-1071	2.2	0
6	Bifurcation Scenarios of Neural Firing Patterns across Two Separated Chaotic Regions as Indicated by Theoretical and Biological Experimental Models. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-12	0.7	0
5	Multimodal vibration suppression of nonlinear Euler-Bernoulli beam by multiple time-delayed vibration absorbers. <i>Meccanica</i> , 2021 , 56, 2429-2449	2.1	0
4	A Galerkin discretisation-based identification for parameters in nonlinear mechanical systems. <i>International Journal of Systems Science</i> , 2018 , 49, 908-919	2.3	
3	Lateral Vibrations of a Cable-Stayed Bridge under Crowd Excitation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	
2	Delay Induced Strong and Weak Resonances in Delayed Differential Systems 2013 , 163-191		
1	Coordinated optimization of locomotion velocity and energy consumption in vibration-driven system. <i>Meccanica</i> , 1	2.1	