

Tao Yang

List of Publications by Year in descending order

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39
papers

1,094
citations

430442

18
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414034

32
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all docs

39
docs citations

39
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistability phenomenon in signal processing, energy harvesting, composite structures, and metamaterials: A review. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108419.	4.4	136
2	Nonlinear vibration energy harvesting and vibration suppression technologies: Designs, analysis, and applications. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	95
3	Impact of time delays on stochastic resonance in an ecological system describing vegetation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 408, 96-105.	1.2	89
4	A novel nonlinear mechanical oscillator and its application in vibration isolation and energy harvesting. <i>Mechanical Systems and Signal Processing</i> , 2021, 155, 107636.	4.4	82
5	Noise- and delay-induced regime shifts in an ecological system of vegetation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P10017.	0.9	76
6	Dynamics and performance evaluation of a novel tristable hybrid energy harvester for ultra-low level vibration resources. <i>International Journal of Mechanical Sciences</i> , 2019, 156, 123-136.	3.6	75
7	Delay-controlled primary and stochastic resonances of the SD oscillator with stiffness nonlinearities. <i>Mechanical Systems and Signal Processing</i> , 2018, 103, 216-235.	4.4	57
8	A multi-directional multi-stable device: Modeling, experiment verification and applications. <i>Mechanical Systems and Signal Processing</i> , 2021, 146, 106986.	4.4	52
9	Dynamics and energy generation of a hybrid energy harvester under colored noise excitations. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 745-766.	4.4	41
10	Response analysis of the archetypal smooth and discontinuous oscillator for vibration energy harvesting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 507, 358-373.	1.2	34
11	Delay and noise induced regime shift and enhanced stability in gene expression dynamics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P12015.	0.9	31
12	Novel multi-stable energy harvester by exploring the benefits of geometric nonlinearity. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 033405.	0.9	29
13	Dynamics and high-efficiency of a novel multi-stable energy harvesting system. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109516.	2.5	29
14	Noises- and delay-enhanced stability in a bistable dynamical system describing chemical reaction. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	24
15	Time delay improves beneficial performance of a novel hybrid energy harvester. <i>Nonlinear Dynamics</i> , 2019, 96, 1511-1530.	2.7	22
16	Multistage oscillators for ultra-low frequency vibration isolation and energy harvesting. <i>Science China Technological Sciences</i> , 2022, 65, 631-645.	2.0	21
17	Wideband energy harvesting using nonlinear energy sink with bio-inspired hexagonal skeleton structure. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106465.	1.7	20
18	Stochastic delayed monomer-dimer surface reaction model with various dimer adsorption. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	19

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19	Delay-enhanced stability and stochastic resonance in perception bistability under non-Gaussian noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P11005.	0.9	19
20	Noise-induced phenomena in a versatile class of prototype dynamical system with time delay. <i>Nonlinear Dynamics</i> , 2018, 92, 511-529.	2.7	19
21	Nonlinear transition dynamics in a time-delayed vibration isolator under combined harmonic and stochastic excitations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 043202.	0.9	18
22	Delays-based protein switches in a stochastic single-gene network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 68-83.	1.2	17
23	Impact of time delay in a stochastic gene regulation network. <i>Chaos, Solitons and Fractals</i> , 2017, 96, 120-129.	2.5	15
24	Noise- and delay-enhanced stability in a nonlinear isolation system. <i>International Journal of Non-Linear Mechanics</i> , 2019, 110, 81-93.	1.4	15
25	Noises-induced toggle switch and stability in a gene regulation network. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450223.	1.0	13
26	Modeling and analysis of a novel multi-directional micro-vibration isolator with spring suspension struts. <i>Archive of Applied Mechanics</i> , 2022, 92, 801-819.	1.2	9
27	Multiple-Object-Tracking Algorithm Based on Dense Trajectory Voting in Aerial Videos. <i>Remote Sensing</i> , 2019, 11, 2278.	1.8	8
28	Delay-induced state transition and resonance in periodically driven tumor model with immune surveillance. <i>Open Physics</i> , 2014, 12, .	0.8	5
29	A Monocular Visual Odometry Method Based on Virtual-Real Hybrid Map in Low-Texture Outdoor Environment. <i>Sensors</i> , 2021, 21, 3394.	2.1	5
30	Effects of time delay and non-Gaussian noise on the dynamics of a perceptual bistability. <i>Chinese Journal of Physics</i> , 2017, 55, 275-288.	2.0	4
31	Hierarchical Clustering-Aligning Framework Based Fast Large-Scale 3D Reconstruction Using Aerial Imagery. <i>Remote Sensing</i> , 2019, 11, 315.	1.8	4
32	Online Ground Multitarget Geolocation Based on 3-D Map Construction Using a UAV Platform. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	2.7	3
33	Colored Noises-Induced Regime Shifts in a Vegetation Ecological System*. <i>Communications in Theoretical Physics</i> , 2015, 64, 151-158.	1.1	2
34	UAV-Assisted Wide Area Multi-Camera Space Alignment Based on Spatiotemporal Feature Map. <i>Remote Sensing</i> , 2021, 13, 1117.	1.8	2
35	Accurate localization of moving objects in dynamic environment for small unmanned aerial vehicle platform using global averaging. <i>IET Computer Vision</i> , 2022, 16, 12-25.	1.3	2
36	Resonant Phenomenon in a Stochastic Delayed Bistable Chemical System. <i>Brazilian Journal of Physics</i> , 2015, 45, 359-368.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Impact of time delays and environmental noise on the extinction of a population dynamics model. European Physical Journal B, 2021, 94, 219.	0.6	1
38	Data-Driven Variable Synthetic Aperture Imaging Based on Semantic Feedback. IEEE Access, 2019, 7, 166021-166042.	2.6	0
39	Bullet-time Video Synthesis Based on Virtual Dynamic Target Axis. IEEE Transactions on Multimedia, 2022, , 1-14.	5.2	0