

# Tao Yang

## List of Publications by Year in descending order

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39  
papers

1,094  
citations

430442

18  
h-index

414034

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate localization of moving objects in dynamic environment for small unmanned aerial vehicle platform using global averaging. IET Computer Vision, 2022, 16, 12-25.	1.3	2
2	Multistability phenomenon in signal processing, energy harvesting, composite structures, and metamaterials: A review. Mechanical Systems and Signal Processing, 2022, 166, 108419.	4.4	136
3	Modeling and analysis of a novel multi-directional micro-vibration isolator with spring suspension struts. Archive of Applied Mechanics, 2022, 92, 801-819.	1.2	9
4	Multistage oscillators for ultra-low frequency vibration isolation and energy harvesting. Science China Technological Sciences, 2022, 65, 631-645.	2.0	21
5	Wideband energy harvesting using nonlinear energy sink with bio-inspired hexagonal skeleton structure. Communications in Nonlinear Science and Numerical Simulation, 2022, 111, 106465.	1.7	20
6	Online Ground Multitarget Geolocation Based on 3-D Map Construction Using a UAV Platform. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	3
7	Bullet-time Video Synthesis Based on Virtual Dynamic Target Axis. IEEE Transactions on Multimedia, 2022, , 1-14.	5.2	0
8	A multi-directional multi-stable device: Modeling, experiment verification and applications. Mechanical Systems and Signal Processing, 2021, 146, 106986.	4.4	52
9	UAV-Assisted Wide Area Multi-Camera Space Alignment Based on Spatiotemporal Feature Map. Remote Sensing, 2021, 13, 1117.	1.8	2
10	A Monocular Visual Odometry Method Based on Virtual-Real Hybrid Map in Low-Texture Outdoor Environment. Sensors, 2021, 21, 3394.	2.1	5
11	A novel nonlinear mechanical oscillator and its application in vibration isolation and energy harvesting. Mechanical Systems and Signal Processing, 2021, 155, 107636.	4.4	82
12	Nonlinear vibration energy harvesting and vibration suppression technologies: Designs, analysis, and applications. Applied Physics Reviews, 2021, 8, .	5.5	95
13	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
14	Dynamics and high-efficiency of a novel multi-stable energy harvesting system. Chaos, Solitons and Fractals, 2020, 131, 109516.	2.5	29
15	Noise-Âand delay-enhanced stability in a nonlinear isolation system. International Journal of Non-Linear Mechanics, 2019, 110, 81-93.	1.4	15
16	Dynamics and energy generation of a hybrid energy harvester under colored noise excitations. Mechanical Systems and Signal Processing, 2019, 121, 745-766.	4.4	41
17	Hierarchical Clustering-Aliging Framework Based Fast Large-Scale 3D Reconstruction Using Aerial Imagery. Remote Sensing, 2019, 11, 315.	1.8	4
18	Time delay improves beneficial performance of a novel hybrid energy harvester. Nonlinear Dynamics, 2019, 96, 1511-1530.	2.7	22

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Data-Driven Variable Synthetic Aperture Imaging Based on Semantic Feedback. <i>IEEE Access</i> , 2019, 7, 166021-166042.	2.6	0
22	Multiple-Object-Tracking Algorithm Based on Dense Trajectory Voting in Aerial Videos. <i>Remote Sensing</i> , 2019, 11, 2278.	1.8	8
23	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
24	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
25	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
26	Impact of time delay in a stochastic gene regulation network. <i>Chaos, Solitons and Fractals</i> , 2017, 96, 120-129.	2.5	15
27	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
28	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
29	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
30	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
31	Resonant Phenomenon in a Stochastic Delayed Bistable Chemical System. <i>Brazilian Journal of Physics</i> , 2015, 45, 359-368.	0.7	1
32	Colored Noises-Induced Regime Shifts in a Vegetation Ecological System*. <i>Communications in Theoretical Physics</i> , 2015, 64, 151-158.	1.1	2
33	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
34	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
35	Delay-induced state transition and resonance in periodically driven tumor model with immune surveillance. <i>Open Physics</i> , 2014, 12, .	0.8	5
36	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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37	Noises- and delay-enhanced stability in a bistable dynamical system describing chemical reaction. European Physical Journal B, 2014, 87, 1.	0.6	24
38	Impact of time delays on stochastic resonance in an ecological system describing vegetation. Physica A: Statistical Mechanics and Its Applications, 2014, 408, 96-105.	1.2	89
39	Noise- and delay-induced regime shifts in an ecological system of vegetation. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P10017.	0.9	76