Lei Zhang

List of Publications by Year
in descending order

36 papers	**1,054** citations

361413

20 h-index	

414414

32 g-index	

36 all docs	**36** docs citations

36 times ranked	**546** citing authors

#	Article	IF	Citations
1	Mashup-Oriented Web API Recommendation via Multi-Model Fusion and Multi-Task Learning. IEEE Transactions on Services Computing, 2022, 15, 3330-3343.	4.6	19
2	A lightweight neural network framework using linear grouped convolution for human activity recognition on mobile devices. Journal of Supercomputing, 2022, 78, 6696-6716.	3.6	13
3	Deep Convolutional Networks With Tunable Speed–Accuracy Tradeoff for Human Activity Recognition Using Wearables. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	11
4	Triple Cross-Domain Attention on Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1167-1176.	4.9	44
5	Real-Time Human Activity Recognition Using Conditionally Parametrized Convolutions on Mobile and Wearable Devices. IEEE Sensors Journal, 2022, 22, 5889-5901.	4.7	39
6	Deformable Convolutional Networks for Multimodal Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	14
7	Human activity recognition using wearable sensors by heterogeneous convolutional neural networks. Expert Systems With Applications, 2022, 198, 116764.	7.6	45
8	Understanding and Improving Channel Attention for Human Activity Recognition by Temporal-Aware and Modality-Aware Embedding. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	4
9	Layer-Wise Training Convolutional Neural Networks With Smaller Filters for Human Activity Recognition Using Wearable Sensors. IEEE Sensors Journal, 2021, 21, 581-592.	4.7	81
10	Shallow Convolutional Neural Networks for Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	45
11	The Convolutional Neural Networks Training With Channel-Selectivity for Human Activity Recognition Based on Sensors. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3834-3843.	6.3	23
12	Deep Neural Networks for Sensor-Based Human Activity Recognition Using Selective Kernel Convolution. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	43
13	Heterogeneous dual memristive circuit: Multistability, symmetry, and FPGA implementation*. Chinese Physics B, 2021, 30, 120502.	1.4	5
14	Block-Wise Training Residual Networks on Multi-Channel Time Series for Human Activity Recognition. IEEE Sensors Journal, 2021, 21, 18063-18074.	4.7	11
15	Sequential Weakly Labeled Multiactivity Localization and Recognition on Wearable Sensors Using Recurrent Attention Networks. IEEE Transactions on Human-Machine Systems, 2021, 51, 355-364.	3.5	28
16	DanHAR: Dual Attention Network for multimodal human activity recognition using wearable sensors. Applied Soft Computing Journal, 2021, 111, 107728.	7.2	78
17	Switching dynamics of a non-autonomous FitzHugh-Nagumo circuit with piecewise-linear flux-controlled memristor. Chaos, Solitons and Fractals, 2021, 152, 111369.	5.1	21
18	Data driven governing equations approximations using attention based multistep neural networks. AIP Advances, 2020, 10, .	1.3	1

#	Article	IF	Citations
19	The Layer-Wise Training Convolutional Neural Networks Using Local Loss for Sensor-Based Human Activity Recognition. IEEE Sensors Journal, 2020, 20, 7265-7274.	4.7	98
20	Adversarial Hard Attention Adaptation. Information (Switzerland), 2020, 11, 224.	2.9	0
21	Conditionally Learn to Pay Attention for Sequential Visual Task. IEEE Access, 2020, 8, 56695-56710.	4.2	0
22	The coexistence of chaotic synchronization with three different nonautonomous systems under constraint conditions. European Physical Journal: Special Topics, 2019, 228, 1493-1514.	2.6	4
23	Attention-Based Convolutional Neural Network for Weakly Labeled Human Activities' Recognition With Wearable Sensors. IEEE Sensors Journal, 2019, 19, 7598-7604.	4.7	125
24	Data driven nonlinear dynamical systems identification using multi-step CLDNN. AIP Advances, 2019, 9, 085311.	1.3	15
25	Realizing reliable logic and memory function with noise-assisted Schmitt trigger circuits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 617-621.	2.1	9
26	Initial value-related dynamical analysis of the memristor-based system with reduced dimensions and its chaotic synchronization via adaptive sliding mode control method. Chinese Journal of Physics, 2019, 58, 117-131.	3.9	39
27	Adaptive logical stochastic resonance in time-delayed synthetic genetic networks. Chaos, 2018, 28, 043117.	2.5	30
28	Realizing reliable logical stochastic resonance under colored noise by adding periodic force. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 958-968.	2.6	24
29	Array-enhanced logical stochastic resonance subject to colored noise. Chinese Journal of Physics, 2017, 55, 252-259.	3.9	27
30	A jamming tolerant BeiDou combined B1/B2 vector tracking algorithm for ultra-tightly coupled GNSS/INS systems. Aerospace Science and Technology, 2017, 70, 265-276.	4.8	25
31	Effect of the correlation between internal noise and external noise on logical stochastic resonance in bistable systems. Physical Review E, 2017, 96, 052203.	2.1	32
32	Adaptive stochastic gradient descent on the Grassmannian for robust low‐rank subspace recovery. IET Signal Processing, 2016, 10, 1000-1008.	1.5	4
33	Effect of colored noise on logical stochastic resonance in bistable dynamics. Physical Review E, 2010, 82, 051106.	2.1	56
34	Stochastic resonance of a subdiffusive bistable system driven by Lévy noise based on the subordination process. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 475003.	2.1	9
35	Using Diffusion Geometric Coordinates for Hyperspectral Imagery Representation. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 767-771.	3.1	28
36	STOCHASTIC RESONANCE IN SATURATION NONLINEARITIES BASED ON SIGNAL DETECTION. Fluctuation and Noise Letters, 2008, 08, L229-L235.	1.5	4