Le Zhang

List of Publications by Year
in descending order

53 papers	3,895 citations	201658 27 h-index	289230 40 g-index
55 all docs	55 docs citations	55 times ranked	3914 citing authors

#	Article	IF	Citations
1	Privacy-Preserving Cross-Environment Human Activity Recognition. IEEE Transactions on Cybernetics, 2023, 53, 1765-1775.	9.5	13
2	PersEmoN: A Deep Network for Joint Analysis of Apparent Personality, Emotion and Their Relationship. IEEE Transactions on Affective Computing, 2022, 13, 298-305.	8.3	22
3	Exploring Structural Knowledge for Automated Visual Inspection of Moving Trains. IEEE Transactions on Cybernetics, 2022, 52, 1233-1246.	9.5	6
4	Learning Clustering for Motion Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 908-919.	8.3	5
5	Semantic Edge Detection with Diverse Deep Supervision. International Journal of Computer Vision, 2022, 130, 179-198.	15.6	27
6	EDN: Salient Object Detection via Extremely-Downsampled Network. IEEE Transactions on Image Processing, 2022, 31, 3125-3136.	9.8	59
7	MA-GANet: A Multi-Attention Generative Adversarial Network for Defocus Blur Detection. IEEE Transactions on Image Processing, 2022, 31, 3494-3508.	9.8	3
8	Ordered or Orderless: A Revisit for Video Based Person Re-Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1460-1466.	13.9	26
9	Nonlinear Regression via Deep Negative Correlation Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 982-998.	13.9	68
10	Regularized Densely-Connected Pyramid Network for Salient Instance Segmentation. IEEE Transactions on Image Processing, 2021, 30, 3897-3907.	9.8	19
11	Locality-Aware Crowd Counting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	15
12	Device-free single-user activity recognition using diversified deep ensemble learning. Applied Soft Computing Journal, 2021, 102, 107066.	7.2	29
13	Bridge health anomaly detection using deep support vector data description. Neurocomputing, 2021, 444, 170-178.	5.9	12
14	SAMNet: Stereoscopically Attentive Multi-Scale Network for Lightweight Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3804-3814.	9.8	115
15	Heterogeneous oblique random forest. Pattern Recognition, 2020, 99, 107078.	8.1	74
16	GMS: Grid-Based Motion Statistics for Fast, Ultra-robust Feature Correspondence. International Journal of Computer Vision, 2020, 128, 1580-1593.	15.6	83
17	Attention-Driven Loss for Anomaly Detection in Video Surveillance. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4639-4647.	8.3	73
18	WiFi-Based Indoor Robot Positioning Using Deep Fuzzy Forests. IEEE Internet of Things Journal, 2020, 7, 10773-10781.	8.7	52

#	Article	IF	Citations
19	Action Recognition Using Co-trained Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 155-172.	1.3	0
20	Contrast Prior and Fluid Pyramid Integration for RGBD Salient Object Detection. , 2019, , .		261
21	Robust Mobile Location Estimation in NLOS Environment Using GMM, IMM, and EKF. IEEE Systems Journal, 2019, 13, 3490-3500.	4.6	32
22	WiFi CSI Based Passive Human Activity Recognition Using Attention Based BLSTM. IEEE Transactions on Mobile Computing, 2019, 18, 2714-2724.	5.8	230
23	Richer Convolutional Features for Edge Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1939-1946.	13.9	304
24	Distilling the Knowledge From Handcrafted Features for Human Activity Recognition. IEEE Transactions on Industrial Informatics, 2018, 14, 4334-4342.	11.3	96
25	Received Signal Strength Based Indoor Positioning Using a Random Vector Functional Link Network. IEEE Transactions on Industrial Informatics, 2018, 14, 1846-1855.	11.3	53
26	An ensemble of decision trees with random vector functional link networks for multi-class classification. Applied Soft Computing Journal, 2018, 70, 1146-1153.	7.2	63
27	Crowd Counting with Deep Negative Correlation Learning. , 2018, , .		183
28	Lightweight Hardware Based Secure Authentication Scheme for Fog Computing. , 2018, , .		11
29	Give Me One Portrait Image, I Will Tell You Your Emotion and Personality. , 2018, , .		2
30	Multiscale Multitask Deep NetVLAD for Crowd Counting. IEEE Transactions on Industrial Informatics, 2018, 14, 4953-4962.	11.3	34
31	DEL: Deep Embedding Learning for Efficient Image Segmentation. , 2018, , .		32
32	Robust Human Activity Recognition Using Smartphone Sensors via CT-PCA and Online SVM. IEEE Transactions on Industrial Informatics, 2017, 13, 3070-3080.	11.3	189
33	A Retrospective and a Look Forward: Fifteen Years of Physical Unclonable Function Advancement. IEEE Circuits and Systems Magazine, 2017, 17, 32-62.	2.3	125
34	Benchmarking Ensemble Classifiers with Novel Co-Trained Kernel Ridge Regression and Random Vector Functional Link Ensembles [Research Frontier]. IEEE Computational Intelligence Magazine, 2017, 12, 61-72.	3.2	90
35	Robust Visual Tracking Using Oblique Random Forests. , 2017, , .		53
36	Oblique random forest ensemble via Least Square Estimation for time series forecasting. Information Sciences, 2017, 420, 249-262.	6.9	76

#	Article	IF	Citations
37	Sizing of SRAM Cell with Voltage Biasing Techniques for Reliability Enhancement of Memory and PUF Functions. Journal of Low Power Electronics and Applications, 2016, 6, 16.	2.0	8
38	Using image sensor PUF as root of trust for birthmarking of perceptual image hash. , 2016, , .		9
39	Ensemble Classification and Regression-Recent Developments, Applications and Future Directions [Review Article]. IEEE Computational Intelligence Magazine, 2016, 11, 41-53.	3.2	470
40	A comprehensive evaluation of random vector functional link networks. Information Sciences, 2016, 367-368, 1094-1105.	6.9	306
41	A Low-Power Hybrid RO PUF With Improved Thermal Stability for Lightweight Applications. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2015, 34, 1143-1147.	2.7	96
42	Highly Reliable Spin-Transfer Torque Magnetic RAM-Based Physical Unclonable Function With Multi-Response-Bits Per Cell. IEEE Transactions on Information Forensics and Security, 2015, 10, 1630-1642.	6.9	27
43	Synthesis of high-purity CuO nanoleaves and analysis of their ethanol gas sensing properties. RSC Advances, 2015, 5, 34788-34794.	3.6	39
44	Oblique Decision Tree Ensemble via Multisurface Proximal Support Vector Machine. IEEE Transactions on Cybernetics, 2015, 45, 2165-2176.	9.5	105
45	Optimizating Emerging Nonvolatile Memories for Dual-Mode Applications: Data Storage and Key Generator. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2015, 34, 1176-1187.	2.7	30
46	CMOS Image Sensor Based Physical Unclonable Function for Coherent Sensor-Level Authentication. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2629-2640.	5.4	65
47	Statistical analysis and design of 6T SRAM cell for physical unclonable function with dual application modes. , 2015, , .		8
48	Leakage-resilient memory-based physical unclonable function using phase change material. , 2014, , .		7
49	Highly reliable memory-based Physical Unclonable Function using Spin-Transfer Torque MRAM. , 2014, , .		49
50	Feasibility study of emerging non-volatilememory based physical unclonable functions. , 2014, , .		13
51	Exploiting Process Variations and Programming Sensitivity of Phase Change Memory for Reconfigurable Physical Unclonable Functions. IEEE Transactions on Information Forensics and Security, 2014, 9, 921-932.	6.9	80
52	PCKGen: A Phase Change Memory based cryptographic key generator. , 2013, , .		34
53	Instance based random forest with rotated feature space. , 2013, , .		4