Baochang Zhang

List of Publications by Year
in descending order

61	3,468	361045	276539
papers	citations	20	41
		h-index	g-index

61	61	61	2674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feature Calibration Network for Occluded Pedestrian Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4151-4163.	4.7	11
2	Multi-UAV Mobile Edge Computing and Path Planning Platform Based on Reinforcement Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 489-498.	3.4	32
3	Towards Compact 1-bit CNNs via Bayesian Learning. International Journal of Computer Vision, 2022, 130, 201-225.	10.9	9
4	Self-Supervised monocular depth and ego-Motion estimation in endoscopy: Appearance flow to the rescue. Medical Image Analysis, 2022, 77, 102338.	7.0	35
5	Remaining Useful Life Estimation of Aircraft Engines Using Differentiable Architecture Search. Mathematics, 2022, 10, 352.	1.1	2
6	RB-Net: Training Highly Accurate and Efficient Binary Neural Networks With Reshaped Point-Wise Convolution and Balanced Activation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6414-6424.	5.6	15
7	Binarized Neural Architecture Search for Efficient Object Recognition. International Journal of Computer Vision, 2021, 129, 501-516.	10.9	8
8	The Fusion of Neural Architecture Search and Destruction and Construction Learning. Lecture Notes in Computer Science, 2021, , 480-489.	1.0	1
9	A Review of Recent Advances of Binary Neural Networks for Edge Computing. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 25-35.	1.9	14
10	MIGO-NAS: Towards Fast and Generalizable Neural Architecture Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2936-2952.	9.7	26
11	Optimization of Task Scheduling and Dynamic Service Strategy for Multi-UAV-Enabled Mobile-Edge Computing System. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 970-984.	4.9	48
12	Toward Joint Thing-and-Stuff Mining for Weakly Supervised Panoptic Segmentation. , 2021, , .		8
13	Layer-wise Searching for 1-bit Detectors. , 2021, , .		15
14	Robust and real-time object recognition based on multiple fractal dimension. Multimedia Tools and Applications, 2021, 80, 36585.	2.6	1
15	Aerial Small Object Tracking with Transformers. , 2021, , .		2
16	Aggregation Signature for Small Object Tracking. IEEE Transactions on Image Processing, 2020, 29, 1738-1747.	6.0	16
17	CircleNet: Reciprocating Feature Adaptation for Robust Pedestrian Detection. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4593-4604.	4.7	6
18	Binarized Neural Architecture Search. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 10526-10533.	3.6	10

#	Article	IF	Citations
19	HRank: Filter Pruning Using High-Rank Feature Map. , 2020, , .		390
20	Cam-Net: Compressed Attentive Multi-Granularity Network For Dynamic Scene Classification. , 2020, , .		0
21	Optimization of bits allocation and path planning with trajectory constraint in UAV-enabled mobile edge computing system. Chinese Journal of Aeronautics, 2020, 33, 2716-2727.	2.8	5
22	CP-NAS: Child-Parent Neural Architecture Search for 1-bit CNNs. , 2020, , .		7
23	Enhanced Bird Detection from Low-Resolution Aerial Image Using Deep Neural Networks. Neural Processing Letters, 2019, 49, 1021-1039.	2.0	9
24	Deep Ensemble Machine for Video Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 553-565.	7.2	39
25	Gaussian Transfer Convolutional Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 360-368.	3.4	5
26	Deep Manifold Structure Transfer for Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 4646-4658.	6.0	30
27	Projection Convolutional Neural Networks for 1-bit CNNs via Discrete Back Propagation. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8344-8351.	3.6	50
28	Towards Optimal Structured CNN Pruning via Generative Adversarial Learning. , 2019, , .		298
29	Bayesian Optimized 1-Bit CNNs. , 2019, , .		34
30	Circulant Binary Convolutional Networks: Enhancing the Performance of 1-Bit DCNNs With Circulant Back Propagation. , 2019, , .		43
31	Exploiting Kernel Sparsity and Entropy for Interpretable CNN Compression. , 2019, , .		79
32	Multinomial Distribution Learning for Effective Neural Architecture Search. , 2019, , .		66
33	Long-Short-Term Features for Dynamic Scene Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1038-1047.	5.6	20
34	Rectified Binary Convolutional Networks for Enhancing the Performance of 1-bit DCNNs. , 2019, , .		11
35	One-two-one networks for compression artifacts reduction in remote sensing. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 184-196.	4.9	48
36	Latent Constrained Correlation Filter. IEEE Transactions on Image Processing, 2018, 27, 1038-1048.	6.0	41

#	ARTICLE	IF	CITATIONS
37	Deep Fisher discriminant learning for mobile hand gesture recognition. Pattern Recognition, 2018, 77, 276-288.	5.1	62
38	Manifold constraint transfer for visual structure-driven optimization. Pattern Recognition, 2018, 77, 87-98.	5.1	2
39	Modulated Convolutional Networks. , 2018, , .		21
40	Object detection and tracking benchmark in industry based on improved correlation filter. Multimedia Tools and Applications, 2018, 77, 29919-29932.	2.6	2
41	Gabor Convolutional Networks. IEEE Transactions on Image Processing, 2018, 27, 4357-4366.	6.0	230
42	Accelerating Convolutional Networks via Global & Dynamic Filter Pruning. , 2018, , .		136
43	Adaptive Local Movement Modeling for Robust Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1515-1526.	5.6	34
44	Action Recognition Using 3D Histograms of Texture and A Multi-Class Boosting Classifier. IEEE Transactions on Image Processing, 2017, 26, 4648-4660.	6.0	137
45	Output Constraint Transfer for Kernelized Correlation Filter in Tracking. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 693-703.	5.9	70
46	Realtime Human-UAV Interaction Using Deep Learning. Lecture Notes in Computer Science, 2017, , 511-519.	1.0	11
47	Self-Learning Scene-Specific Pedestrian Detectors Using a Progressive Latent Model. , 2017, , .		21
48	Pedestrian detection based on multifractal analysis. , 2017, , .		1
49	Gesture Recognition Based on Deep Belief Networks. Lecture Notes in Computer Science, 2017, , 439-446.	1.0	1
50	Bounding Multiple Gaussians Uncertainty with Application to Object Tracking. International Journal of Computer Vision, 2016, 118, 364-379.	10.9	65
51	Land-use scene classification using multi-scale completed local binary patterns. Signal, Image and Video Processing, 2016, 10, 745-752.	1.7	132
52	Gesture Recognition Benchmark Based on Mobile Phone. Lecture Notes in Computer Science, 2016, , 432-440.	1.0	8
53	Adaptive Multi-class Correlation Filters. Lecture Notes in Computer Science, 2016, , 680-688.	1.0	3
54	Sparse representation classification with manifold constraints transfer. , 2015, , .		39

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55	Adaptive Local Movement Modelling for Object Tracking. , 2015, , .		15
56	Fast algorithm for color texture image inpainting using the non-local CTV model. Journal of Global Optimization, 2015, 62, 853-876.	1.1	40
57	Cooperative and Geometric Learning Algorithm (CGLA) for path planning of UAVs with limited information. Automatica, 2014, 50, 809-820.	3.0	68
58	Pedestrian detection in images via cascaded L1-norm minimization learning method. Pattern Recognition, 2012, 45, 2573-2583.	5.1	18
59	Local Derivative Pattern Versus Local Binary Pattern: Face Recognition With High-Order Local Pattern Descriptor. IEEE Transactions on Image Processing, 2010, 19, 533-544.	6.0	885
60	Cascaded L1-norm Minimization Learning (CLML) classifier for human detection. , 2010, , .		33
61	Filter pruning via expectation-maximization. Neural Computing and Applications, 0, , 1.	3.2	0