

Zheng Zhang

List of Publications by Year in descending order

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119
papers

12,496
citations

185998

28
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123241

61
g-index

120
all docs

120
docs citations

120
times ranked

3904
citing authors

#	ARTICLE	IF	CITATIONS
1	Discriminative Regression With Adaptive Graph Diffusion. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1797-1809.	7.2	4
2	Facial Expression Recognition in the Wild Using Multi-Level Features and Attention Mechanisms. IEEE Transactions on Affective Computing, 2023, 14, 451-462.	5.7	44
3	Structured analysis dictionary learning based on discriminative Fisher pair. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5647-5664.	3.3	4
4	Flexible Multiview Spectral Clustering With Self-Adaptation. IEEE Transactions on Cybernetics, 2023, 53, 2586-2599.	6.2	7
5	Structured anchor-inferred graph learning for universal incomplete multi-view clustering. World Wide Web, 2023, 26, 375-399.	2.7	3
6	FSNet: Dual Interpretable Graph Convolutional Network for Alzheimer's Disease Analysis. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 15-25.	3.4	4
7	Multiscale Conditional Regularization for Convolutional Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 444-458.	6.2	8
8	Addi-Reg: A Better Generalization-Optimization Tradeoff Regularization Method for Convolutional Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 10827-10842.	6.2	3
9	Self-Supervised Exclusive-Inclusive Interactive Learning for Multi-Label Facial Expression Recognition in the Wild. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3190-3202.	5.6	20
10	Semantic-Interactive Graph Convolutional Network for Multilabel Image Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4887-4899.	5.9	17
11	Generalized Zero-Shot Learning With Multiple Graph Adaptive Generative Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2903-2915.	7.2	18
12	Enhanced Feature Alignment for Unsupervised Domain Adaptation of Semantic Segmentation. IEEE Transactions on Multimedia, 2022, 24, 1042-1054.	5.2	15
13	Multi-Label Chest X-Ray Image Classification via Semantic Similarity Graph Embedding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2455-2468.	5.6	25
14	Learning Informative and Discriminative Features for Facial Expression Recognition in the Wild. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3178-3189.	5.6	23
15	Editorial: Deep dictionary learning: Algorithm, theory and application. Neurocomputing, 2022, 491, 492-493.	3.5	1
16	Learning discriminative feature via a generic auxiliary distribution for unsupervised domain adaptation. International Journal of Machine Learning and Cybernetics, 2022, 13, 175-185.	2.3	2
17	Cognitive multi-modal consistent hashing with flexible semantic transformation. Information Processing and Management, 2022, 59, 102743.	5.4	8
18	Targeted Attack of Deep Hashing Via Prototype-Supervised Adversarial Networks. IEEE Transactions on Multimedia, 2022, 24, 3392-3404.	5.2	5

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19	A survey of crowd counting and density estimation based on convolutional neural network. <i>Neurocomputing</i> , 2022, 472, 224-251.	3.5	45
20	Multi-View Speech Emotion Recognition Via Collective Relation Construction. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2022, 30, 218-229.	4.0	23
21	Modality-Invariant Asymmetric Networks for Cross-Modal Hashing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1.	4.0	24
22	Learning ordinal constraint binary codes for fast similarity search. <i>Information Processing and Management</i> , 2022, 59, 102919.	5.4	4
23	Discriminative Visual Similarity Search with Semantically Cycle-consistent Hashing Networks. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-21.	3.0	2
24	Multi-Modal Emotion Recognition with Self-Guided Modality Calibration. , 2022, , .		5
25	DS-TransUNet: Dual Swin Transformer U-Net for Medical Image Segmentation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-15.	2.4	173
26	Deep Unsupervised Self-Evolutionary Hashing for Image Retrieval. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 3400-3413.	5.2	13
27	Inductive Structure Consistent Hashing via Flexible Semantic Calibration. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4514-4528.	7.2	35
28	Deep Collaborative Discrete Hashing With Semantic-Invariant Structure Construction. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 1274-1286.	5.2	28
29	Twin-Incoherent Self-Expressive Locality-Adaptive Latent Dictionary Pair Learning for Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 947-961.	7.2	30
30	Adaptive Graph Completion Based Incomplete Multi-View Clustering. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2493-2504.	5.2	87
31	Dual-Level Semantic Transfer Deep Hashing for Efficient Social Image Retrieval. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1478-1489.	5.6	25
32	Cross-plane colour image encryption using a two-dimensional logistic tent modular map. <i>Information Sciences</i> , 2021, 546, 1063-1083.	4.0	185
33	Sparse graph based self-supervised hashing for scalable image retrieval. <i>Information Sciences</i> , 2021, 547, 622-640.	4.0	23
34	Consensus guided incomplete multi-view spectral clustering. <i>Neural Networks</i> , 2021, 133, 207-219.	3.3	34
35	Heterogeneous data fusion for predicting mild cognitive impairment conversion. <i>Information Fusion</i> , 2021, 66, 54-63.	11.7	60
36	Kinship Verification Based on Cross-Generation Feature Interaction Learning. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 7391-7403.	6.0	5

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37	Entropy-Based Uncertainty Calibration for Generalized Zero-Shot Learning. Lecture Notes in Computer Science, 2021, , 139-151.	1.0	8
38	Deep Collaborative Multi-Modal Learning for Unsupervised Kinship Estimation. IEEE Transactions on Information Forensics and Security, 2021, 16, 4197-4210.	4.5	3
39	VMAN: A Virtual Mainstay Alignment Network for Transductive Zero-Shot Learning. IEEE Transactions on Image Processing, 2021, 30, 4316-4329.	6.0	17
40	Fully shared convolutional neural networks. Neural Computing and Applications, 2021, 33, 8635-8648.	3.2	7
41	DLRF-Net: A Progressive Deep Latent Low-Rank Fusion Network for Hierarchical Subspace Discovery. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	2
42	Probability Ordinal-Preserving Semantic Hashing for Large-Scale Image Retrieval. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-22.	2.5	17
43	Task-adaptive Asymmetric Deep Cross-modal Hashing. Knowledge-Based Systems, 2021, 219, 106851.	4.0	13
44	Dense Residual Network: Enhancing global dense feature flow for character recognition. Neural Networks, 2021, 139, 77-85.	3.3	27
45	Targeted Attack and Defense for Deep Hashing. , 2021, , .		8
46	Label propagation with structured graph learning for semi-supervised dimension reduction. Knowledge-Based Systems, 2021, 225, 107130.	4.0	15
47	Fusing functional connectivity with network nodal information for sparse network pattern learning of functional brain networks. Information Fusion, 2021, 75, 131-139.	11.7	11
48	Generalized Incomplete Multiview Clustering With Flexible Locality Structure Diffusion. IEEE Transactions on Cybernetics, 2021, 51, 101-114.	6.2	147
49	Multi-modal Discrete Collaborative Filtering for Efficient Cold-start Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	8
50	Deep Active Context Estimation for Automated COVID-19 Diagnosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-22.	3.0	4
51	GCM-Net: Towards Effective Global Context Modeling for Image Inpainting. , 2021, , .		9
52	Prototype-supervised Adversarial Network for Targeted Attack of Deep Hashing. , 2021, , .		25
53	Multimodal Emotion Recognition With Temporal and Semantic Consistency. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3592-3603.	4.0	18
54	Swin Transformer: Hierarchical Vision Transformer using Shifted Windows. , 2021, , .		8,008

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55	Towards Discriminative Visual Search via Semantically Cycle-consistent Hashing Networks. , 2021, , .		1
56	An Embarrassingly Simple Approach to Discrete Supervised Hashing. , 2021, , .		1
57	Bilinear Supervised Hashing Based on 2D Image Features. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 590-602.	5.6	9
58	Adaptive Locality Preserving Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 75-88.	5.6	42
59	Unsupervised deep triplet hashing with pseudo triplets for scalable image retrieval. Multimedia Tools and Applications, 2020, 79, 35253-35274.	2.6	6
60	Asymmetric graph based zero shot learning. Multimedia Tools and Applications, 2020, 79, 33689-33710.	2.6	8
61	Discriminative Fisher Embedding Dictionary Learning Algorithm for Object Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 786-800.	7.2	80
62	Joint Subspace Recovery and Enhanced Locality Driven Robust Flexible Discriminative Dictionary Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2430-2446.	5.6	25
63	Cross-spectral palmprint recognition with low-rank canonical correlation analysis. Multimedia Tools and Applications, 2020, 79, 33771-33792.	2.6	8
64	Discriminative margin-sensitive autoencoder for collective multi-view disease analysis. Neural Networks, 2020, 123, 94-107.	3.3	19
65	SRSC: Selective, Robust, and Supervised Constrained Feature Representation for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4290-4302.	7.2	26
66	Discriminative dual-stream deep hashing for large-scale image retrieval. Information Processing and Management, 2020, 57, 102288.	5.4	11
67	Web-Supervised Network with Softly Update-Drop Training for Fine-Grained Visual Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12781-12788.	3.6	32
68	LGSLRR: Towards fusing discriminative ordinal local and global structured low-rank representation for image recognition. Information Sciences, 2020, 539, 522-535.	4.0	6
69	Learning discriminative domain-invariant prototypes for generalized zero shot learning. Knowledge-Based Systems, 2020, 196, 105796.	4.0	6
70	Flexible Discrete Multi-view Hashing with Collective Latent Feature Learning. Neural Processing Letters, 2020, 52, 1765-1791.	2.0	11
71	Learning from the Past: Continual Meta-Learning with Bayesian Graph Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5021-5028.	3.6	12
72	Latent correlation embedded discriminative multi-modal data fusion. Signal Processing, 2020, 171, 107466.	2.1	11

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73	Discriminative Local Sparse Representation by Robust Adaptive Dictionary Pair Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4303-4317.	7.2	46
74	Two-stream collaborative network for multi-label chest X-ray Image classification with lung segmentation. Pattern Recognition Letters, 2020, 135, 221-227.	2.6	23
75	Deep transductive network for generalized zero shot learning. Pattern Recognition, 2020, 105, 107370.	5.1	36
76	Deep Self-representative Concept Factorization Network for Representation Learning. , 2020, , 361-369.		10
77	Region Graph Embedding Network for Zero-Shot Learning. Lecture Notes in Computer Science, 2020, , 562-580.	1.0	49
78	DIMC-net: Deep Incomplete Multi-view Clustering Network. , 2020, , .		38
79	Adversarial Bipartite Graph Learning for Video Domain Adaptation. , 2020, , .		20
80	Delta-DNN: Efficiently Compressing Deep Neural Networks via Exploiting Floats Similarity. , 2020, , .		4
81	Semantics-Reconstructing Hashing for Cross-Modal Retrieval. Lecture Notes in Computer Science, 2020, , 315-327.	1.0	0
82	A Unified Framework for Detecting Audio Adversarial Examples. , 2020, , .		9
83	MDPL-net: Multi-layer Dictionary Learning Network with Added Skip Dense Connections. , 2020, , .		4
84	Binary Multi-View Clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1774-1782.	9.7	342
85	Low-rank analysis-synthesis dictionary learning with adaptively ordinal locality. Neural Networks, 2019, 119, 93-112.	3.3	16
86	Scalable Supervised Asymmetric Hashing With Semantic and Latent Factor Embedding. IEEE Transactions on Image Processing, 2019, 28, 4803-4818.	6.0	85
87	Collaborative Generative Adversarial Network for Recommendation Systems. , 2019, , .		11
88	Context-Aware Attention-Based Data Augmentation for POI Recommendation. , 2019, , .		9
89	Deep Collaborative Discrete Hashing with Semantic-Invariant Structure. , 2019, , .		12
90	Unified Embedding Alignment with Missing Views Inferring for Incomplete Multi-View Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5393-5400.	3.6	103

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91	Incomplete Multi-view Clustering via Graph Regularized Matrix Factorization. Lecture Notes in Computer Science, 2019, , 593-608.	1.0	29
92	Learning Structured Twin-Incoherent Twin-Projective Latent Dictionary Pairs for Classification. , 2019, , ,		11
93	SADIH: Semantic-Aware Discrete Hashing. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5853-5860.	3.6	13
94	Adaptive Structure-Constrained Robust Latent Low-Rank Coding for Image Recovery. , 2019, , ,		6
95	Attentive Region Embedding Network for Zero-Shot Learning. , 2019, , ,		149
96	Curiosity-driven Reinforcement Learning for Diverse Visual Paragraph Generation. , 2019, , ,		25
97	Scalable Block-Diagonal Locality-Constrained Projective Dictionary Learning. , 2019, , ,		41
98	Marginal Representation Learning With Graph Structure Self-Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4645-4659.	7.2	58
99	Discriminative Block-Diagonal Representation Learning for Image Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3111-3125.	7.2	104
100	Adaptive Locality Preserving based Discriminative Regression. , 2018, , ,		1
101	An interactively constrained discriminative dictionary learning algorithm for image classification. Engineering Applications of Artificial Intelligence, 2018, 72, 241-252.	4.3	9
102	Highly-Economized Multi-view Binary Compression for Scalable Image Clustering. Lecture Notes in Computer Science, 2018, , 731-748.	1.0	29
103	Discriminative Elastic-Net Regularized Linear Regression. IEEE Transactions on Image Processing, 2017, 26, 1466-1481.	6.0	144
104	Projective Representation Learning for Discriminative Face Recognition. Communications in Computer and Information Science, 2017, , 3-15.	0.4	0
105	Retargeted Multi-View Feature Learning With Separate and Shared Subspace Uncovering. IEEE Access, 2017, 5, 24895-24907.	2.6	8
106	Learning robust latent subspace for discriminative regression. , 2017, , ,		1
107	Local multiple directional pattern of palmprint image. , 2016, , ,		24
108	Natural Scene Character Recognition Using Robust PCA and Sparse Representation. , 2016, , ,		7

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109	Approximately symmetrical face images for image preprocessing in face recognition and sparse representation based classification. <i>Pattern Recognition</i> , 2016, 54, 68-82.	5.1	135
110	Review of Video and Image Defogging Algorithms and Related Studies on Image Restoration and Enhancement. <i>IEEE Access</i> , 2016, 4, 165-188.	2.6	173
111	Orthogonal self-guided similarity preserving projections. , 2015, , .		2
112	Pose-invariant face recognition using facial landmarks and Weber local descriptor. <i>Knowledge-Based Systems</i> , 2015, 84, 78-88.	4.0	41
113	A Survey of Sparse Representation: Algorithms and Applications. <i>IEEE Access</i> , 2015, 3, 490-530.	2.6	888
114	Near infrared hand vein image acquisition and ROI extraction algorithm. <i>Optik</i> , 2015, 126, 5682-5687.	1.4	7
115	Noise modeling and representation based classification methods for face recognition. <i>Neurocomputing</i> , 2015, 148, 420-429.	3.5	61
116	Multi-Sample Sparse Representation for Robust Face Recognition. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 4166-4178.	0.4	0
117	A people counting method based on head detection and tracking. , 2014, , .		21
118	Integrating Globality and Locality for Robust Representation Based Classification. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	7
119	Improving representation-based classification for robust face recognition. <i>Journal of Modern Optics</i> , 2014, 61, 961-968.	0.6	12