

Lei Zhu

List of Publications by Year in descending order

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135
papers

4,716
citations

159358

30
h-index

155451

55
g-index

136
all docs

136
docs citations

136
times ranked

2340
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer Independently Together: A Generalized Framework for Domain Adaptation. IEEE Transactions on Cybernetics, 2019, 49, 2144-2155.	6.2	208
2	Aspect-Aware Latent Factor Model. , 2018, , .		196
3	Locality Preserving Joint Transfer for Domain Adaptation. IEEE Transactions on Image Processing, 2019, 28, 6103-6115.	6.0	185
4	MMALFM. ACM Transactions on Information Systems, 2019, 37, 1-28.	3.8	169
5	Heterogeneous Domain Adaptation Through Progressive Alignment. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1381-1391.	7.2	154
6	Unsupervised Visual Hashing with Semantic Assistant for Content-Based Image Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 472-486.	4.0	152
7	Maximum Density Divergence for Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3918-3930.	9.7	149
8	Exploring Auxiliary Context: Discrete Semantic Transfer Hashing for Scalable Image Retrieval. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5264-5276.	7.2	127
9	Interest-aware Message-Passing GCN for Recommendation. , 2021, , .		125
10	Scalable Deep Hashing for Large-Scale Social Image Retrieval. IEEE Transactions on Image Processing, 2020, 29, 1271-1284.	6.0	120
11	Discrete Multimodal Hashing With Canonical Views for Robust Mobile Landmark Search. IEEE Transactions on Multimedia, 2017, 19, 2066-2079.	5.2	117
12	A ³ NCF: An Adaptive Aspect Attention Model for Rating Prediction. , 2018, , .		98
13	Online Multi-modal Hashing with Dynamic Query-adaption. , 2019, , .		97
14	Deep Collaborative Multi-View Hashing for Large-Scale Image Search. IEEE Transactions on Image Processing, 2020, 29, 4643-4655.	6.0	95
15	From Zero-Shot Learning to Cold-Start Recommendation. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4189-4196.	3.6	88
16	Dynamic Multi-View Hashing for Online Image Retrieval. , 2017, , .		88
17	Content-Based Visual Landmark Search via Multimodal Hypergraph Learning. IEEE Transactions on Cybernetics, 2015, 45, 2756-2769.	6.2	82
18	Cross-Domain Gradient Discrepancy Minimization for Unsupervised Domain Adaptation. , 2021, , .		75

#	ARTICLE	IF	CITATIONS
19	Unsupervised Topic Hypergraph Hashing for Efficient Mobile Image Retrieval. IEEE Transactions on Cybernetics, 2017, 47, 3941-3954.	6.2	74
20	Flexible Online Multi-modal Hashing for Large-scale Multimedia Retrieval. , 2019, , .		74
21	ZeroNAS: Differentiable Generative Adversarial Networks Search for Zero-Shot Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9733-9740.	9.7	74
22	Distribution-Oriented Aesthetics Assessment With Semantic-Aware Hybrid Network. IEEE Transactions on Multimedia, 2019, 21, 1209-1220.	5.2	66
23	Divergence-Agnostic Unsupervised Domain Adaptation by Adversarial Attacks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 8196-8211.	9.7	64
24	Explicit Interaction Model towards Text Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 6359-6366.	3.6	59
25	Faster Domain Adaptation Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5770-5783.	4.0	56
26	Cycle-consistent Conditional Adversarial Transfer Networks. , 2019, , .		53
27	Fast Discrete Collaborative Multi-Modal Hashing for Large-Scale Multimedia Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2171-2184.	4.0	53
28	Alleviating Feature Confusion for Generative Zero-shot Learning. , 2019, , .		50
29	Efficient Supervised Discrete Multi-View Hashing for Large-Scale Multimedia Search. IEEE Transactions on Multimedia, 2020, 22, 2048-2060.	5.2	48
30	Discrete Optimal Graph Clustering. IEEE Transactions on Cybernetics, 2020, 50, 1697-1710.	6.2	46
31	Flexible Multi-modal Hashing for Scalable Multimedia Retrieval. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-20.	2.9	46
32	Landmark Classification With Hierarchical Multi-Modal Exemplar Feature. IEEE Transactions on Multimedia, 2015, 17, 981-993.	5.2	45
33	Personalized Hashtag Recommendation for Micro-videos. , 2019, , .		43
34	Exploiting Music Play Sequence for Music Recommendation. , 2017, , .		42
35	Robust Structured Graph Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4424-4436.	7.2	39
36	Fast Discrete Cross-modal Hashing With Regressing From Semantic Labels. , 2018, , .		38

#	ARTICLE	IF	CITATIONS
37	Adaptive Collaborative Similarity Learning for Unsupervised Multi-view Feature Selection. , 2018, , .		38
38	Unsupervised multi-graph cross-modal hashing for large-scale multimedia retrieval. Multimedia Tools and Applications, 2016, 75, 9185-9204.	2.6	36
39	Multi-view feature selection via Nonnegative Structured Graph Learning. Neurocomputing, 2020, 387, 110-122.	3.5	36
40	Exploring Consistent Preferences. , 2017, , .		35
41	An Attribute-Aware Attentive GCN Model for Attribute Missing in Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4077-4088.	4.0	35
42	Efficient discrete latent semantic hashing for scalable cross-modal retrieval. Signal Processing, 2019, 154, 217-231.	2.1	34
43	Weighting scheme for image retrieval based on bag-of-visual-words. IET Image Processing, 2014, 8, 509-518.	1.4	32
44	Joint Multi-View Hashing for Large-Scale Near-Duplicate Video Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1951-1965.	4.0	32
45	Adaptive Component Embedding for Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51, 3390-3403.	6.2	31
46	LGA: latent genre aware micro-video recommendation on social media. Multimedia Tools and Applications, 2018, 77, 2991-3008.	2.6	30
47	Unsupervised multi-view feature extraction with dynamic graph learning. Journal of Visual Communication and Image Representation, 2018, 56, 256-264.	1.7	30
48	Unsupervised Deep Cross-modal Hashing with Virtual Label Regression. Neurocomputing, 2020, 386, 84-96.	3.5	30
49	Unsupervised soft-label feature selection. Knowledge-Based Systems, 2021, 219, 106847.	4.0	30
50	Cross-Modal Self-Taught Hashing for large-scale image retrieval. Signal Processing, 2016, 124, 81-92.	2.1	29
51	Weighted locality collaborative representation based on sparse subspace. Journal of Visual Communication and Image Representation, 2019, 58, 187-194.	1.7	28
52	Dual-modality hard mining triplet-center loss for visible infrared person re-identification. Knowledge-Based Systems, 2021, 215, 106772.	4.0	28
53	Adversarial cross-modal retrieval based on dictionary learning. Neurocomputing, 2019, 355, 93-104.	3.5	27
54	Adaptive Partial Multi-View Hashing for Efficient Social Image Retrieval. IEEE Transactions on Multimedia, 2021, 23, 4079-4092.	5.2	27

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55	Dual-Level Semantic Transfer Deep Hashing for Efficient Social Image Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1478-1489.	5.6	25
56	Learning Modality-Invariant Latent Representations for Generalized Zero-shot Learning. , 2020, , .		25
57	Incomplete Cross-modal Retrieval with Dual-Aligned Variational Autoencoders. , 2020, , .		25
58	Investigating the Bilateral Connections in Generative Zero-Shot Learning. IEEE Transactions on Cybernetics, 2022, 52, 8167-8178.	6.2	24
59	Modality-Invariant Asymmetric Networks for Cross-Modal Hashing. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	24
60	NSDH: A Nonlinear Supervised Discrete Hashing framework for large-scale cross-modal retrieval. Knowledge-Based Systems, 2021, 217, 106818.	4.0	23
61	Adversarial Entropy Optimization for Unsupervised Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6263-6274.	7.2	21
62	Graph Convolutional Multi-modal Hashing for Flexible Multimedia Retrieval. , 2021, , .		21
63	Personalized Crowd Emotional Contagion Coupling the Virtual and Physical Cyberspace. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1638-1652.	5.9	20
64	Domain Adaptive Semantic Segmentation without Source Data. , 2021, , .		20
65	Hierarchical Feature Aggregation Based on Transformer for Image-Text Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6437-6447.	5.6	20
66	Topic Hypergraph Hashing for Mobile Image Retrieval. , 2015, , .		19
67	Cross-media retrieval with collective deep semantic learning. Multimedia Tools and Applications, 2018, 77, 22247-22266.	2.6	19
68	Challenging tough samples in unsupervised domain adaptation. Pattern Recognition, 2021, 110, 107540.	5.1	19
69	Exploring the Cross-Domain Action Recognition Problem by Deep Feature Learning and Cross-Domain Learning. IEEE Access, 2018, 6, 68989-69008.	2.6	18
70	Person re-identification based on multi-scale feature learning. Knowledge-Based Systems, 2021, 228, 107281.	4.0	18
71	Supervised Short-Length Hashing. , 2019, , .		18
72	Effective naive Bayes nearest neighbor based image classification on GPU. Journal of Supercomputing, 2014, 68, 820-848.	2.4	17

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73	Parallel Key Frame Extraction for Surveillance Video Service in a Smart City. PLoS ONE, 2015, 10, e0135694.	1.1	17
74	I read, I saw, I tell. , 2018, , .		17
75	Efficient Parameter-Free Adaptive Multi-Modal Hashing. IEEE Signal Processing Letters, 2020, 27, 1270-1274.	2.1	17
76	Adversarial Graph Convolutional Network for Cross-Modal Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1634-1645.	5.6	17
77	Unsupervised Deep K-Means Hashing for Efficient Image Retrieval and Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3266-3277.	5.6	17
78	Nonlinear Robust Discrete Hashing for Cross-Modal Retrieval. , 2020, , .		17
79	Imbalanced Source-free Domain Adaptation. , 2021, , .		17
80	Efficient weakly-supervised discrete hashing for large-scale social image retrieval. Pattern Recognition Letters, 2020, 130, 174-181.	2.6	16
81	Learning explicitly transferable representations for domain adaptation. Neural Networks, 2020, 130, 39-48.	3.3	15
82	Label propagation with structured graph learning for semi-supervised dimension reduction. Knowledge-Based Systems, 2021, 225, 107130.	4.0	15
83	Task-adaptive Asymmetric Deep Cross-modal Hashing. Knowledge-Based Systems, 2021, 219, 106851.	4.0	13
84	Joint feature selection and graph regularization for modality-dependent cross-modal retrieval. Journal of Visual Communication and Image Representation, 2018, 54, 213-222.	1.7	12
85	Fusion-Supervised Deep Cross-Modal Hashing. , 2019, , .		12
86	Hierarchical information quadtree: efficient spatial temporal image search for multimedia stream. Multimedia Tools and Applications, 2019, 78, 30561-30583.	2.6	12
87	Two-pronged Strategy. , 2021, , .		12
88	A Stochastic Attribute Grammar for Robust Cross-View Human Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2884-2895.	5.6	11
89	Label consistent locally linear embedding based cross-modal hashing. Information Processing and Management, 2020, 57, 102136.	5.4	11
90	Robust optimal graph clustering. Neurocomputing, 2020, 378, 153-165.	3.5	11

#	ARTICLE	IF	CITATIONS
91	UGRec: Modeling Directed and Undirected Relations for Recommendation. , 2021, , .		11
92	Task-Dependent and Query-Dependent Subspace Learning for Cross-Modal Retrieval. IEEE Access, 2018, 6, 27091-27102.	2.6	10
93	Learning Discrete Hashing Towards Efficient Fashion Recommendation. Data Science and Engineering, 2018, 3, 307-322.	4.6	9
94	Revisiting Jump-Diffusion Process for Visual Tracking: A Reinforcement Learning Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2431-2441.	5.6	9
95	JDMAN: Joint Discriminative and Mutual Adaptation Networks for Cross-Domain Facial Expression Recognition. , 2021, , .		9
96	Cognitive multi-modal consistent hashing with flexible semantic transformation. Information Processing and Management, 2022, 59, 102743.	5.4	8
97	Multi-modal Discrete Collaborative Filtering for Efficient Cold-start Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	8
98	Motion Prediction via Joint Dependency Modeling in Phase Space. , 2021, , .		8
99	Learning Transferrable and Interpretable Representations for Domain Generalization. , 2021, , .		8
100	Embedding Hierarchical Structures for Venue Category Representation. ACM Transactions on Information Systems, 2022, 40, 1-29.	3.8	8
101	Flexible Multiview Spectral Clustering With Self-Adaptation. IEEE Transactions on Cybernetics, 2023, 53, 2586-2599.	6.2	7
102	Content-Based Design Patent Image Retrieval Using Structured Features and Multiple Feature Fusion. , 2011, , .		6
103	A segment-based sparse matrix-vector multiplication on CUDA. Concurrency Computation Practice and Experience, 2014, 26, 271-286.	1.4	6
104	Automatic detection and recognition of silicosis in chest radiograph. Bio-Medical Materials and Engineering, 2014, 24, 3389-3395.	0.4	6
105	Accelerating Smith-Waterman Alignment of Species-Based Protein Sequences on GPU. International Journal of Parallel Programming, 2015, 43, 359-380.	1.1	6
106	Learning Robust Graph Hashing for Efficient Similarity Search. Lecture Notes in Computer Science, 2017, , 110-122.	1.0	6
107	Learning a Weighted Classifier for Conditional Domain Adaptation. Knowledge-Based Systems, 2021, 215, 106774.	4.0	6
108	M2GUDA. , 2021, , .		6

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109	DA-GAN: Dual Attention Generative Adversarial Network for Cross-Modal Retrieval. Future Internet, 2022, 14, 43.	2.4	6
110	Bit-aware Semantic Transformer Hashing for Multi-modal Retrieval. , 2022, , .		6
111	Efficient continuous top-k geo-image search on road network. Multimedia Tools and Applications, 2019, 78, 30809-30838.	2.6	5
112	Efficient region of visual interests search for geo-multimedia data. Multimedia Tools and Applications, 2019, 78, 30839-30863.	2.6	5
113	Efficient Multi-modal Hashing with Online Query Adaption for Multimedia Retrieval. ACM Transactions on Information Systems, 2022, 40, 1-36.	3.8	5
114	Targeted Attack of Deep Hashing Via Prototype-Supervised Adversarial Networks. IEEE Transactions on Multimedia, 2022, 24, 3392-3404.	5.2	5
115	An efficient multi-feature SVM solver for complex event detection. Multimedia Tools and Applications, 2018, 77, 3509-3532.	2.6	4
116	Discrete Binary Hashing Towards Efficient Fashion Recommendation. Lecture Notes in Computer Science, 2018, , 116-132.	1.0	4
117	PPIS-JOIN: A Novel Privacy-Preserving Image Similarity Join Method. Neural Processing Letters, 2022, 54, 2783-2801.	2.0	4
118	Teacher-Student Learning: Efficient Hierarchical Message Aggregation Hashing for Cross-Modal Retrieval. IEEE Transactions on Multimedia, 2023, 25, 4520-4532.	5.2	4
119	TSINIT: A Two-Stage Inpainting Network for Incomplete Text. IEEE Transactions on Multimedia, 2022, , 1-11.	5.2	4
120	Efficient interactive search for geo-tagged multimedia data. Multimedia Tools and Applications, 2019, 78, 30677-30706.	2.6	3
121	Implementing Smith-Waterman Algorithm with Two-Dimensional Cache on GPUs. , 2012, , .		2
122	Accelerating Content-Based Image Retrieval via GPU-Adaptive Index Structure. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	2
123	Semi-supervised Distance Consistent Cross-modal Retrieval. , 2017, , .		2
124	MoBoost. , 2019, , .		2
125	Hierarchical one permutation hashing: efficient multimedia near duplicate detection. Multimedia Tools and Applications, 2019, 78, 30537-30560.	2.6	2
126	Efficient inter-image relation graph neural network hashing for scalable image retrieval. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
127	Multi-modal discrete tensor decomposition hashing for efficient multimedia retrieval. <i>Neurocomputing</i> , 2021, 465, 1-14.	3.5	2
128	Adversarial Energy Disaggregation. <i>ACM/IMS Transactions on Data Science</i> , 2021, 2, 1-16.	2.1	2
129	Deep Multi-Semantic Fusion-Based Cross-Modal Hashing. <i>Mathematics</i> , 2022, 10, 430.	1.1	2
130	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
131	Explainable discrete Collaborative Filtering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-14.	4.0	2
132	An Efficient Task Autonomous Planning Method for Small Satellites. <i>Information (Switzerland)</i> , 2018, 9, 181.	1.7	1
133	Temporal Activity Path Based Character Correction in Heterogeneous Social Networks via Multimedia Sources. <i>Advances in Multimedia</i> , 2018, 2018, 1-16.	0.2	1
134	Deep Discrete Hashing for Label Distribution Learning. <i>IEEE Signal Processing Letters</i> , 2022, 29, 832-836.	2.1	1
135	HisRec: Bridging Heterogeneous Information Spaces for Recommendation via Attentive Embedding. <i>Lecture Notes in Computer Science</i> , 2020, , 428-443.	1.0	0