

Fumin Shen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

4,264
citations

32
h-index

63
g-index

134
ext. papers

5,377
ext. citations

5.6
avg. IF

6.19
L-index

#	Paper	IF	Citations
119	Cross-modal Dynamic Networks for Video Moment Retrieval with Text Query. <i>IEEE Transactions on Multimedia</i> , 2022 , 1-1	6.6	1
118	Graph convolutional network with sample and feature weights for Alzheimer's disease diagnosis. <i>Information Processing and Management</i> , 2022 , 59, 102952	6.3	1
117	Non-Salient Region Object Mining for Weakly Supervised Semantic Segmentation 2021 ,		24
116	Jo-SRC: A Contrastive Approach for Combating Noisy Labels 2021 ,		14
115	Prototype-supervised Adversarial Network for Targeted Attack of Deep Hashing 2021 ,		4
114	Semantic-Aligned Attention With Refining Feature Embedding for Few-Shot Image Classification. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	
113	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	3
112	Relationship-Preserving Knowledge Distillation for Zero-Shot Sketch Based Image Retrieval 2021 ,		1
111	Inductive Structure Consistent Hashing via Flexible Semantic Calibration. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4514-4528	10.3	13
110	Toward Effective Intrusion Detection Using Log-Cosh Conditional Variational Autoencoder. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 6187-6196	10.7	20
109	Arbitrary-View Human Action Recognition: A Varying-View RGB-D Action Dataset. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 289-300	6.4	11
108	Modeling Two-Stream Correspondence for Visual Sound Separation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	
107	Flow-Edge Guided Unsupervised Video Object Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	4
106	MetaMixUp: Learning Adaptive Interpolation Policy of MixUp With Metalearning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	3
105	Saliency-Guided Iterative Asymmetric Mutual Hashing for Fast Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7776-7789	8.7	4
104	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	6
103	A Cognitive Memory-Augmented Network for Visual Anomaly Detection. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1296-1307	7	3

102	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	0
101	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	5
100	Webly Supervised Fine-Grained Recognition: Benchmark Datasets and An Approach 2021 ,		8
99	Exploiting Web Images for Multi-Output Classification: From Category to Subcategories. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2348-2360	10.3	17
98	Deep quantization generative networks. <i>Pattern Recognition</i> , 2020 , 105, 107338	7.7	3
97	Cross-Modal Attention With Semantic Consistence for Image-Text Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5412-5425	10.3	59
96	Exploiting Subspace Relation in Semantic Labels for Cross-Modal Hashing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	53
95	Temporal Reasoning Graph for Activity Recognition. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	16
94	Collaborative Learning for Extremely Low Bit Asymmetric Hashing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
93	Multi-model Network for Fine-Grained Cross-Media Retrieval. <i>Lecture Notes in Computer Science</i> , 2020 , 187-199	0.9	
92	Bidirectional Discrete Matrix Factorization Hashing for Image Search. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4157-4168	10.2	12
91	CR-FPN: channel relation feature pyramid network for object detection. <i>Wireless Networks</i> , 2020 , 1	2.5	
90	Web-Supervised Network with Softly Update-Drop Training for Fine-Grained Visual Classification. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 12781-12788	5	17
89	What Machines See Is Not What They Get: Fooling Scene Text Recognition Models With Adversarial Text Images 2020 ,		10
88	Graph Convolutional Network Hashing. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1460-1472	10.2	47
87	Towards Automatic Construction of Diverse, High-Quality Image Datasets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1199-1211	4.2	27
86	A Survey of Human Action Analysis in HRI Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2114-2128	6.4	26
85	Similarity preserving feature generating networks for zero-shot learning. <i>Neurocomputing</i> , 2020 , 406, 333-342	5.4	4

84	Fusion by synthesizing: A multi-view deep neural network for zero-shot recognition. <i>Signal Processing</i> , 2019 , 164, 354-367	4.4	7
83	A Context Knowledge Map Guided Coarse-to-fine Action Recognition. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	19
82	Binary Multi-View Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1774-1782	13.3	186
81	Describing Video With Attention-Based Bidirectional LSTM. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2631-2641	10.2	98
80	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 184-196	6.6	25
79	Real-Time Deep Tracking via Corrective Domain Adaptation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 2600-2612	6.4	9
78	Scalable Zero-Shot Learning via Binary Visual-Semantic Embeddings. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	17
77	Building Detail-Sensitive Semantic Segmentation Networks With Polynomial Pooling 2019 ,		12
76	Word-to-region attention network for visual question answering. <i>Multimedia Tools and Applications</i> , 2019 , 78, 3843-3858	2.5	14
75	Error Correcting Input and Output Hashing. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 781-791	10.2	15
74	Embedding and predicting the event at early stage. <i>World Wide Web</i> , 2019 , 22, 1055-1074	2.9	2
73	Exploiting Concept Correlation with Attributes for Semantic Binary Representation Learning. <i>Communications in Computer and Information Science</i> , 2018 , 171-179	0.3	1
72	Semantic binary coding for visual recognition via joint concept-attribute modelling. <i>Multimedia Tools and Applications</i> , 2018 , 77, 22185-22198	2.5	1
71	Unsupervised Deep Hashing with Similarity-Adaptive and Discrete Optimization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 3034-3044	13.3	213
70	Zero-Shot Learning Using Synthesised Unseen Visual Data with Diffusion Regularisation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2498-2512	13.3	48
69	Hashing with Angular Reconstructive Embeddings. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 545-555	5.7	67
68	A novel multi-view dimensionality reduction and recognition framework with applications to face recognition. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 53, 161-170	2.7	11
67	Recognition and Detection of Two-Person Interactive Actions Using Automatically Selected Skeleton Features. <i>IEEE Transactions on Human-Machine Systems</i> , 2018 , 48, 304-310	4.1	18

66	Robust discrete code modeling for supervised hashing. <i>Pattern Recognition</i> , 2018 , 75, 128-135	7.7	82
65	Zero-shot learning via discriminative representation extraction. <i>Pattern Recognition Letters</i> , 2018 , 109, 27-34	4.7	14
64	Multiview Discrete Hashing for Scalable Multimedia Search. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018 , 9, 1-21	8	43
63	Modal-adversarial Semantic Learning Network for Extendable Cross-modal Retrieval 2018 ,		20
62	Collective Reconstructive Embeddings for Cross-modal Hashing. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	74
61	Domain Invariant Subspace Learning for Cross-Modal Retrieval. <i>Lecture Notes in Computer Science</i> , 2018 , 94-105	0.9	1
60	Extracting Privileged Information from Untagged Corpora for Classifier Learning 2018 ,		3
59	Generative Domain-Migration Hashing for Sketch-to-Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2018 , 304-321	0.9	27
58	TBN: Convolutional Neural Network with Ternary Inputs and Binary Weights. <i>Lecture Notes in Computer Science</i> , 2018 , 322-339	0.9	27
57	Highly-Economized Multi-view Binary Compression for Scalable Image Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 731-748	0.9	20
56	Extracting Privileged Information for Enhancing Classifier Learning. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	31
55	Learning binary codes with local and inner data structure. <i>Neurocomputing</i> , 2018 , 282, 32-41	5.4	6
54	Recurrent attention network using spatial-temporal relations for action recognition. <i>Signal Processing</i> , 2018 , 145, 137-145	4.4	16
53	Pseudo Transfer with Marginalized Corrupted Attribute for Zero-shot Learning 2018 ,		14
52	Dual Learning for Visual Question Generation 2018 ,		7
51	Learning Discrete Hashing Towards Efficient Fashion Recommendation. <i>Data Science and Engineering</i> , 2018 , 3, 307-322	3.6	5
50	A Large-scale RGB-D Database for Arbitrary-view Human Action Recognition 2018 ,		16
49	Visual Spatial Attention Network for Relationship Detection 2018 ,		11

48	Jointly Sparse Hashing for Image Retrieval. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	37
47	Index and Retrieve Multimedia Data: Cross-Modal Hashing by Learning Subspace Relation. <i>Lecture Notes in Computer Science</i> , 2018 , 606-621	0.9	3
46	Multi-view feature selection and classification for Alzheimer's Disease diagnosis. <i>Multimedia Tools and Applications</i> , 2017 , 76, 10761-10775	2.5	16
45	Supervised hashing with adaptive discrete optimization for multimedia retrieval. <i>Neurocomputing</i> , 2017 , 253, 97-103	5.4	11
44	Discrete Nonnegative Spectral Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 1834-1845	4.2	54
43	Robust Web Image Annotation via Exploring Multi-Facet and Structural Knowledge. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4871-4884	8.7	37
42	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1771-1784	6.6	48
41	Learning Discriminative Binary Codes for Large-scale Cross-modal Retrieval. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2494-2507	8.7	247
40	Classification by Retrieval 2017 ,		28
39	Asymmetric sparse hashing 2017 ,		1
38	Robust and real-time deep tracking via multi-scale domain adaptation 2017 ,		6
37	Attribute hashing for zero-shot image retrieval 2017 ,		21
36	Matrix Tri-Factorization with Manifold Regularizations for Zero-Shot Learning 2017 ,		68
35	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 2022-2032	6.6	90
34	Bilinear Optimized Product Quantization for Scalable Visual Content Analysis. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5057-5069	8.7	8
33	Sequential Discrete Hashing for Scalable Cross-Modality Similarity Retrieval. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 107-118	8.7	54
32	Semi-Paired Discrete Hashing: Learning Latent Hash Codes for Semi-Paired Cross-View Retrieval. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4275-4288	10.2	78
31	Joint Hierarchical Category Structure Learning and Large-Scale Image Classification. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4331-4346	8.7	27

30	Deep Sketch Hashing: Fast Free-Hand Sketch-Based Image Retrieval 2017 ,		108
29	Efficient Binary Coding for Subspace-based Query-by-Image Video Retrieval 2017 ,		3
28	Efficient Message Passing Methods With Fully Connected Models for Early Vision. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5994-6005	8.7	
27	From Zero-Shot Learning to Conventional Supervised Classification: Unseen Visual Data Synthesis 2017 ,		59
26	Discretely Coding Semantic Rank Orders for Supervised Image Hashing 2017 ,		25
25	Binary Coding for Partial Action Analysis with Limited Observation Ratios 2017 ,		18
24	Deep Asymmetric Pairwise Hashing 2017 ,		54
23	Discrete Collaborative Filtering 2016 ,		131
22	Zero-Shot Hashing via Transferring Supervised Knowledge 2016 ,		84
21	Robust regression based face recognition with fast outlier removal. <i>Multimedia Tools and Applications</i> , 2016 , 75, 12535-12546	2.5	9
20	Face recognition using linear representation ensembles. <i>Pattern Recognition</i> , 2016 , 59, 72-87	7.7	13
19	Face identification with second-order pooling in single-layer networks. <i>Neurocomputing</i> , 2016 , 187, 11-18	8.4	8
18	Face Recognition Using A Low Rank Representation Based Projections Method. <i>Neural Processing Letters</i> , 2016 , 43, 823-835	2.4	2
17	Robust Cross-view Hashing for Multimedia Retrieval. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 893-897	3.2	12
16	Face image classification by pooling raw features. <i>Pattern Recognition</i> , 2016 , 54, 94-103	7.7	40
15	A Domain Robust Approach For Image Dataset Construction 2016 ,		18
14	Bidirectional Long-Short Term Memory for Video Description 2016 ,		29
13	Exploiting Spatial Structure from Parts for Adaptive Kernelized Correlation Filter Tracker. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 658-662	3.2	13

12	Active contour evolved by joint probability classification on Riemannian manifold. <i>Signal, Image and Video Processing</i> , 2016 , 10, 1257-1264	1.6	4
11	Binary code learning via optimal class representations. <i>Neurocomputing</i> , 2016 , 208, 59-65	5.4	
10	A Fast Optimization Method for General Binary Code Learning. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5610-5621	8.7	116
9	Hashing on nonlinear manifolds. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1839-51	8.7	109
8	Visual Coding in a Semantic Hierarchy 2015 ,		30
7	Learning Binary Codes for Maximum Inner Product Search 2015 ,		81
6	Supervised Discrete Hashing 2015 ,		592
5	. <i>IEEE Transactions on Big Data</i> , 2015 , 1, 162-171	3.2	71
4	Image classification using local linear regression. <i>Neural Computing and Applications</i> , 2014 , 25, 1913-1920.	4.8	7
3	Approximate least trimmed sum of squares fitting and applications in image analysis. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1836-47	8.7	21
2	Locality constrained representation based classification with spatial pyramid patches. <i>Neurocomputing</i> , 2013 , 101, 104-115	5.4	15
1	Inductive Hashing on Manifolds 2013 ,		149