Fumin Shen

List of Publications by Citations

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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	Supervised Discrete Hashing **2015**,		592
118	Learning Discriminative Binary Codes for Large-scale Cross-modal Retrieval. *IEEE Transactions on Image Processing*, **2017**, 26, 2494-2507	8.7	247
117	Unsupervised Deep Hashing with Similarity-Adaptive and Discrete Optimization. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2018**, 40, 3034-3044	13.3	213
116	Binary Multi-View Clustering. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1774-1782	13.3	186
115	Inductive Hashing on Manifolds **2013**,		149
114	Discrete Collaborative Filtering **2016**,		131
113	A Fast Optimization Method for General Binary Code Learning. *IEEE Transactions on Image Processing*, **2016**, 25, 5610-5621	8.7	116
112	Hashing on nonlinear manifolds. *IEEE Transactions on Image Processing*, **2015**, 24, 1839-51	8.7	109
111	Deep Sketch Hashing: Fast Free-Hand Sketch-Based Image Retrieval **2017**,		108
110	Describing Video With Attention-Based Bidirectional LSTM. *IEEE Transactions on Cybernetics*, **2019**, 49, 2631-2641	10.2	98
109	. *IEEE Transactions on Multimedia*, **2017**, 19, 2022-2032	6.6	90
108	Zero-Shot Hashing via Transferring Supervised Knowledge **2016**,		84
107	Robust discrete code modeling for supervised hashing. *Pattern Recognition*, **2018**, 75, 128-135	7.7	82
106	Learning Binary Codes for Maximum Inner Product Search **2015**,		81
105	Semi-Paired Discrete Hashing: Learning Latent Hash Codes for Semi-Paired Cross-View Retrieval. *IEEE Transactions on Cybernetics*, **2017**, 47, 4275-4288	10.2	78
104	Collective Reconstructive Embeddings for Cross-modal Hashing. *IEEE Transactions on Image Processing*, **2018**,	8.7	74
103	. *IEEE Transactions on Big Data*, **2015**, 1, 162-171	3.2	71

102	Matrix Tri-Factorization with Manifold Regularizations for Zero-Shot Learning **2017**,		68
101	Hashing with Angular Reconstructive Embeddings. *IEEE Transactions on Image Processing*, **2018**, 27, 545-555	8.7	67
100	Cross-Modal Attention With Semantic Consistence for Image-Text Matching. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 5412-5425	10.3	59
99	From Zero-Shot Learning to Conventional Supervised Classification: Unseen Visual Data Synthesis **2017**,		59
98	Discrete Nonnegative Spectral Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 1834-1845	4.2	54
97	Sequential Discrete Hashing for Scalable Cross-Modality Similarity Retrieval. *IEEE Transactions on Image Processing*, **2017**, 26, 107-118	8.7	54
96	Deep Asymmetric Pairwise Hashing **2017**,		54
95	Exploiting Subspace Relation in Semantic Labels for Cross-Modal Hashing. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	53
94	. *IEEE Transactions on Multimedia*, **2017**, 19, 1771-1784	6.6	48
93	Zero-Shot Learning Using Synthesised Unseen Visual Data with Diffusion Regularisation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2018**, 40, 2498-2512	13.3	48
92	Graph Convolutional Network Hashing. *IEEE Transactions on Cybernetics*, **2020**, 50, 1460-1472	10.2	47
91	Multiview Discrete Hashing for Scalable Multimedia Search. *ACM Transactions on Intelligent Systems and Technology*, **2018**, 9, 1-21	8	43
90	Face image classification by pooling raw features. *Pattern Recognition*, **2016**, 54, 94-103	7.7	40
89	Robust Web Image Annotation via Exploring Multi-Facet and Structural Knowledge. *IEEE Transactions on Image Processing*, **2017**, 26, 4871-4884	8.7	37
88	Jointly Sparse Hashing for Image Retrieval. *IEEE Transactions on Image Processing*, **2018**,	8.7	37
87	Extracting Privileged Information for Enhancing Classifier Learning. *IEEE Transactions on Image Processing*, **2018**,	8.7	31
86	Visual Coding in a Semantic Hierarchy **2015**,		30
85	Bidirectional Long-Short Term Memory for Video Description **2016**,		29

84	Classification by Retrieval **2017**,		28
83	Joint Hierarchical Category Structure Learning and Large-Scale Image Classification. *IEEE Transactions on Image Processing*, **2017**, 26, 4331-4346	8.7	27
82	Generative Domain-Migration Hashing for Sketch-to-Image Retrieval. *Lecture Notes in Computer Science*, **2018**, 304-321	0.9	27
81	TBN: Convolutional Neural Network with Ternary Inputs and Binary Weights. *Lecture Notes in Computer Science*, **2018**, 322-339	0.9	27
80	Towards Automatic Construction of Diverse, High-Quality Image Datasets. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 32, 1199-1211	4.2	27
79	A Survey of Human Action Analysis in HRI Applications. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 2114-2128	6.4	26
78	. *IEEE Transactions on Multimedia*, **2019**, 21, 184-196	6.6	25
77	Discretely Coding Semantic Rank Orders for Supervised Image Hashing **2017**,		25
76	Non-Salient Region Object Mining for Weakly Supervised Semantic Segmentation **2021**,		24
75	Attribute hashing for zero-shot image retrieval **2017**,		21
74	Approximate least trimmed sum of squares fitting and applications in image analysis. *IEEE Transactions on Image Processing*, **2013**, 22, 1836-47	8.7	21
73	Modal-adversarial Semantic Learning Network for Extendable Cross-modal Retrieval **2018**,		20
72	Highly-Economized Multi-view Binary Compression for Scalable Image Clustering. *Lecture Notes in Computer Science*, **2018**, 731-748	0.9	20
71	Toward Effective Intrusion Detection Using Log-Cosh Conditional Variational Autoencoder. *IEEE Internet of Things Journal*, **2021**, 8, 6187-6196	10.7	20
70	A Context Knowledge Map Guided Coarse-to-fine Action Recognition. *IEEE Transactions on Image Processing*, **2019**,	8.7	19
69	Recognition and Detection of Two-Person Interactive Actions Using Automatically Selected Skeleton Features. *IEEE Transactions on Human-Machine Systems*, **2018**, 48, 304-310	4.1	18
68	Binary Coding for Partial Action Analysis with Limited Observation Ratios **2017**,		18
67	A Domain Robust Approach For Image Dataset Construction **2016**,		18

66	Exploiting Web Images for Multi-Output Classification: From Category to Subcategories. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 2348-2360	10.3	17
65	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	5	17
64	Scalable Zero-Shot Learning via Binary Visual-Semantic Embeddings. *IEEE Transactions on Image Processing*, **2019**,	8.7	17
63	Multi-view feature selection and classification for Alzheimer Disease diagnosis. *Multimedia Tools and Applications*, **2017**, 76, 10761-10775	2.5	16
62	Temporal Reasoning Graph for Activity Recognition. *IEEE Transactions on Image Processing*, **2020**,	8.7	16
61	Recurrent attention network using spatial-temporal relations for action recognition. *Signal Processing*, **2018**, 145, 137-145	4.4	16
60	A Large-scale RGB-D Database for Arbitrary-view Human Action Recognition **2018**,		16
59	Locality constrained representation based classification with spatial pyramid patches. *Neurocomputing*, **2013**, 101, 104-115	5.4	15
58	Error Correcting Input and Output Hashing. *IEEE Transactions on Cybernetics*, **2019**, 49, 781-791	10.2	15
57	Zero-shot learning via discriminative representation extraction. *Pattern Recognition Letters*, **2018**, 109, 27-34	4.7	14
56	Jo-SRC: A Contrastive Approach for Combating Noisy Labels **2021**,		14
55	Word-to-region attention network for visual question answering. *Multimedia Tools and Applications*, **2019**, 78, 3843-3858	2.5	14
54	Pseudo Transfer with Marginalized Corrupted Attribute for Zero-shot Learning **2018**,		14
53	Face recognition using linear representation ensembles. *Pattern Recognition*, **2016**, 59, 72-87	7.7	13
52	Inductive Structure Consistent Hashing via Flexible Semantic Calibration. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 4514-4528	10.3	13
51	Exploiting Spatial Structure from Parts for Adaptive Kernelized Correlation Filter Tracker. *IEEE Signal Processing Letters*, **2016**, 23, 658-662	3.2	13
50	Robust Cross-view Hashing for Multimedia Retrieval. *IEEE Signal Processing Letters*, **2016**, 23, 893-897	3.2	12
49	Bidirectional Discrete Matrix Factorization Hashing for Image Search. *IEEE Transactions on Cybernetics*, **2020**, 50, 4157-4168	10.2	12

48	Building Detail-Sensitive Semantic Segmentation Networks With Polynomial Pooling **2019**,		12
47	Supervised hashing with adaptive discrete optimization for multimedia retrieval. *Neurocomputing*, **2017**, 253, 97-103	5.4	11
46	A novel multi-view dimensionality reduction and recognition framework with applications to face recognition. *Journal of Visual Communication and Image Representation*, **2018**, 53, 161-170	2.7	11
45	Arbitrary-View Human Action Recognition: A Varying-View RGB-D Action Dataset. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 289-300	6.4	11
44	Visual Spatial Attention Network for Relationship Detection **2018**,		11
43	What Machines See Is Not What They Get: Fooling Scene Text Recognition Models With Adversarial Text Images **2020**,		10
42	Robust regression based face recognition with fast outlier removal. *Multimedia Tools and Applications*, **2016**, 75, 12535-12546	2.5	9
41	Real-Time Deep Tracking via Corrective Domain Adaptation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 2600-2612	6.4	9
40	Face identification with second-order pooling in single-layer networks. *Neurocomputing*, **2016**, 187, 11-18	5.4	8
39	Bilinear Optimized Product Quantization for Scalable Visual Content Analysis. *IEEE Transactions on Image Processing*, **2017**, 26, 5057-5069	8.7	8
38	Webly Supervised Fine-Grained Recognition: Benchmark Datasets and An Approach **2021**,		8
37	Fusion by synthesizing: A multi-view deep neural network for zero-shot recognition. *Signal Processing*, **2019**, 164, 354-367	4.4	7
36	Image classification using local linear regression. *Neural Computing and Applications*, **2014**, 25, 1913-1920	4.8	7
35	Dual Learning for Visual Question Generation **2018**,		7
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33	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	6
32	Learning binary codes with local and inner data structure. *Neurocomputing*, **2018**, 282, 32-41	5.4	6
31	Learning Discrete Hashing Towards Efficient Fashion Recommendation. *Data Science and Engineering*, **2018**, 3, 307-322	3.6	5

30	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	5
29	Prototype-supervised Adversarial Network for Targeted Attack of Deep Hashing **2021**,		4
28	Active contour evolved by joint probability classification on Riemannian manifold. *Signal, Image and Video Processing*, **2016**, 10, 1257-1264	1.6	4
27	Similarity preserving feature generating networks for zero-shot learning. *Neurocomputing*, **2020**, 406, 333-342	5.4	4
26	Flow-Edge Guided Unsupervised Video Object Segmentation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	4
25	Salience-Guided Iterative Asymmetric Mutual Hashing for Fast Person Re-Identification. *IEEE Transactions on Image Processing*, **2021**, 30, 7776-7789	8.7	4
24	Deep quantization generative networks. *Pattern Recognition*, **2020**, 105, 107338	7.7	3
23	Collaborative Learning for Extremely Low Bit Asymmetric Hashing. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	3
22	Efficient Binary Coding for Subspace-based Query-by-Image Video Retrieval **2017**,		3
21	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	3
20	Extracting Privileged Information from Untagged Corpora for Classifier Learning **2018**,		3
19	MetaMixUp: Learning Adaptive Interpolation Policy of MixUp With Metalearning. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	3
18	Index and Retrieve Multimedia Data: Cross-Modal Hashing by Learning Subspace Relation. *Lecture Notes in Computer Science*, **2018**, 606-621	0.9	3
17	A Cognitive Memory-Augmented Network for Visual Anomaly Detection. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 1296-1307	7	3
16	Face Recognition Using A Low Rank Representation Based Projections Method. *Neural Processing Letters*, **2016**, 43, 823-835	2.4	2
15	Embedding and predicting the event at early stage. *World Wide Web*, **2019**, 22, 1055-1074	2.9	2
14	Asymmetric sparse hashing **2017**,		1
13	Exploiting Concept Correlation with Attributes for Semantic Binary Representation Learning. *Communications in Computer and Information Science*, **2018**, 171-179	0.3	1

12	Semantic binary coding for visual recognition via joint concept-attribute modelling. *Multimedia Tools and Applications*, **2018**, 77, 22185-22198	2.5	1
11	Cross-modal Dynamic Networks for Video Moment Retrieval with Text Query. *IEEE Transactions on Multimedia*, **2022**, 1-1	6.6	1
10	Relationship-Preserving Knowledge Distillation for Zero-Shot Sketch Based Image Retrieval **2021**,		1
9	Domain Invariant Subspace Learning for Cross-Modal Retrieval. *Lecture Notes in Computer Science*, **2018**, 94-105	0.9	1
8	Graph convolutional network with sample and feature weights for Alzheimer's disease diagnosis. *Information Processing and Management*, **2022**, 59, 102952	6.3	1
7	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	0
6	Efficient Message Passing Methods With Fully Connected Models for Early Vision. *IEEE Transactions on Image Processing*, **2017**, 26, 5994-6005	8.7	
5	Semantic-Aligned Attention With Refining Feature Embedding for Few-Shot Image Classification. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-11	6.1	
4	Multi-model Network for Fine-Grained Cross-Media Retrieval. *Lecture Notes in Computer Science*, **2020**, 187-199	0.9	
3	CR-FPN: channel relation feature pyramid network for object detection. *Wireless Networks*, **2020**, 1	2.5	
2	Binary code learning via optimal class representations. *Neurocomputing*, **2016**, 208, 59-65	5.4	
1	Modeling Two-Stream Correspondence for Visual Sound Separation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	