

# Fei Wu

## List of Publications by Year in descending order

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105  
papers

3,206  
citations

361413

20  
h-index

302126

39  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attentional Factorization Machines: Learning the Weight of Feature Interactions via Attention Networks. , 2017, , .		516
2	DeepSaliency: Multi-Task Deep Neural Network Model for Salient Object Detection. IEEE Transactions on Image Processing, 2016, 25, 3919-3930.	9.8	418
3	FcaNet: Frequency Channel Attention Networks. , 2021, , .		389
4	Video Question Answering via Gradually Refined Attention over Appearance and Motion. , 2017, , .		175
5	HST-LSTM: A Hierarchical Spatial-Temporal Long-Short Term Memory Network for Location Prediction. , 2018, , .		140
6	Challenges and opportunities: from big data to knowledge in AI 2.0. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 3-14.	2.6	122
7	Weakly Semi-Supervised Deep Learning for Multi-Label Image Annotation. IEEE Transactions on Big Data, 2015, 1, 109-122.	6.1	93
8	Towards a new generation of artificial intelligence in China. Nature Machine Intelligence, 2020, 2, 312-316.	16.0	90
9	Sparse Unsupervised Dimensionality Reduction for Multiple View Data. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1485-1496.	8.3	72
10	Segregated Temporal Assembly Recurrent Networks for Weakly Supervised Multiple Action Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9070-9078.	4.9	55
11	Text Perceptron: Towards End-to-End Arbitrary-Shaped Text Spotting. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11899-11907.	4.9	55
12	Group-wise Deep Co-saliency Detection. , 2017, , .		54
13	Sparse representation using nonnegative curds and whey. , 2010, , .		50
14	Deep Learning Driven Visual Path Prediction From a Single Image. IEEE Transactions on Image Processing, 2016, 25, 5892-5904.	9.8	48
15	Local and global approaches of affinity propagation clustering for large scale data. Journal of Zhejiang University: Science A, 2008, 9, 1373-1381.	2.4	42
16	Adversarial Seeded Sequence Growing for Weakly-Supervised Temporal Action Localization. , 2019, , .		41
17	Learning to Anticipate Egocentric Actions by Imagination. IEEE Transactions on Image Processing, 2021, 30, 1143-1152.	9.8	39
18	Recurrent Attention Network with Reinforced Generator for Visual Dialog. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-16.	4.3	36

#	ARTICLE	IF	CITATIONS
19	Open-Ended Long-form Video Question Answering via Adaptive Hierarchical Reinforced Networks. , 2018, , .		30
20	Long-Form Video Question Answering via Dynamic Hierarchical Reinforced Networks. IEEE Transactions on Image Processing, 2019, 28, 5939-5952.	9.8	28
21	Deep Group-Wise Fully Convolutional Network for Co-Saliency Detection With Graph Propagation. IEEE Transactions on Image Processing, 2019, 28, 5052-5063.	9.8	28
22	The Next Breakthroughs of Artificial Intelligence: The Interdisciplinary Nature of AI. Engineering, 2020, 6, 245-247.	6.7	24
23	De-Biased Courtâ€™s View Generation with Causality. , 2020, , .		24
24	Graph-Based Multi-Interaction Network for Video Question Answering. IEEE Transactions on Image Processing, 2021, 30, 2758-2770.	9.8	23
25	Identifying Objective and Subjective Words via Topic Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 718-730.	11.3	22
26	The heterogeneous feature selection with structural sparsity for multimedia annotation and hashing: a survey. International Journal of Multimedia Information Retrieval, 2012, 1, 3-15.	5.2	21
27	Human-Centric Clothing Segmentation via Deformable Semantic Locality-Preserving Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4837-4848.	8.3	21
28	Mining Fraudsters and Fraudulent Strategies in Large-Scale Mobile Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 169-179.	5.7	21
29	LSTM-in-LSTM for generating long descriptions of images. Computational Visual Media, 2016, 2, 379-388.	17.5	20
30	Hierarchical Contextual Attention Recurrent Neural Network for Map Query Suggestion. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1888-1901.	5.7	20
31	Temporal Interaction and Causal Influence in Community-Based Question Answering. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2304-2317.	5.7	19
32	Multi-Label Transfer Learning With Sparse Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1110-1121.	8.3	18
33	You Only Recognize Once. , 2019, , .		18
34	Attentional Image Retweet Modeling via Multi-Faceted Ranking Network Learning. , 2018, , .		18
35	Tag Clustering and Refinement on Semantic Unity Graph. , 2011, , .		17
36	Regularized Deep Belief Network for Image Attribute Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1464-1477.	8.3	17

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37	To Stay or to Leave. , 2018, , .		16
38	Interaction-Integrated Network for Natural Language Moment Localization. IEEE Transactions on Image Processing, 2021, 30, 2538-2548.	9.8	16
39	Legal Summarization for Multi-role Debate Dialogue via Controversy Focus Mining and Multi-task Learning. , 2019, , .		16
40	Manifold Learning Based Cross-media Retrieval: A Solution to Media Object Complementary Nature. Journal of Signal Processing Systems, 2007, 46, 153-164.	1.0	15
41	Flickr group recommendation with auxiliary information in heterogeneous information networks. Multimedia Systems, 2017, 23, 703-712.	4.7	15
42	Temporality-enhanced knowledgememory network for factoid question answering. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 104-115.	2.6	15
43	FREE: A Fast and Robust End-to-End Video Text Spotter. IEEE Transactions on Image Processing, 2021, 30, 822-837.	9.8	14
44	Adaptive audio watermarking based on SNR in localized regions. Journal of Zhejiang University: Science A, 2005, 6, 53-57.	2.4	14
45	Audio steganalysis based on "negative resonance phenomenon" caused by steganographic tools. Journal of Zhejiang University: Science A, 2006, 7, 577-583.	2.4	12
46	Movie Question Answering via Textual Memory and Plot Graph. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 875-887.	8.3	12
47	Bag-of-Discriminative-Words (BoDW) Representation via Topic Modeling. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 977-990.	5.7	11
48	Multiple hypergraph ranking for video concept detection. Journal of Zhejiang University: Science C, 2010, 11, 525-537.	0.7	10
49	Multiple Hypergraph Clustering of Web Images by MiningWord2Image Correlations. Journal of Computer Science and Technology, 2010, 25, 750-760.	1.5	10
50	Local"Global Memory Neural Network for Medication Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1723-1736.	11.3	10
51	Multi-modality video shot clustering with tensor representation. Multimedia Tools and Applications, 2009, 41, 93-109.	3.9	9
52	A group of novel approaches and a toolkit for motion capture data reusing. Multimedia Tools and Applications, 2010, 47, 379-408.	3.9	9
53	Disambiguating named entities with deep supervised learning via crowd labels. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 97-106.	2.6	9
54	Time-varying association between fetal death and gestational exposure to ambient fine particles: a nationwide epidemiological study of 49 million fetuses in the contiguous US from 1989 to 2004. International Journal of Epidemiology, 2022, 51, 1984-1999.	1.9	9

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55	Group sparse representation for image categorization and semantic video retrieval. Science China Information Sciences, 2011, 54, 2051-2063.	4.3	8
56	Probabilistic Word Selection via Topic Modeling. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1643-1655.	5.7	8
57	Ensemble learning HMM for motion recognition and retrieval by Isomap dimension reduction. Journal of Zhejiang University: Science A, 2006, 7, 2063-2072.	2.4	7
58	Automatic Video Summarization by Affinity Propagation Clustering and Semantic Content Mining. , 2008, , .		7
59	Stable multi-label boosting for image annotation with structural feature selection. Science China Information Sciences, 2011, 54, 2508-2521.	4.3	7
60	Video Dialog via Multi-Grained Convolutional Self-Attention Context Multi-Modal Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4453-4466.	8.3	7
61	End-to-End Video Saliency Detection via a Deep Contextual Spatiotemporal Network. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1691-1702.	11.3	7
62	Dress like an Internet Celebrity: Fashion Retrieval in Videos. , 2020, , .		7
63	Learning Decomposed Representations for Treatment Effect Estimation. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	7
64	Smart grid dispatch powered by deep learning: a survey. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 763-776.	2.6	7
65	Automatic Video Summarization by Spatio-temporal Analysis and Non-trivial Repeating Pattern Detection. , 2008, , .		6
66	Understanding Default Behavior in Online Lending. , 2019, , .		6
67	Data-Driven Variable Decomposition for Treatment Effect Estimation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2120-2134.	5.7	6
68	Graph-guided sparse reconstruction for region tagging. , 2012, , .		5
69	Multiple feature fusion for face recognition. , 2013, , .		5
70	Cross-media topic mining on wikipedia. , 2013, , .		5
71	Stable Prediction with Leveraging Seed Variable. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	5
72	Hierarchical Approximate Matching for Retrieval of Chinese Historical Calligraphy Character. Journal of Computer Science and Technology, 2007, 22, 633-640.	1.5	4

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73	Clustering by evidence accumulation on affinity propagation. , 2008, , .		4
74	Graph-theoretic spatiotemporal context modeling for video saliency detection. , 2017, , .		4
75	Continuous treatment effect estimation via generative adversarial de-confounding. Data Mining and Knowledge Discovery, 2021, 35, 2467.	3.7	4
76	A full-process intelligent trial system for smart court. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 186-206.	2.6	4
77	Self-adaptive MPEG video watermarking based on block perceptual features. , 0, , .		3
78	Data-driven Generation of Decision Tree based on Ensemble Multiple-instance Learning for Motion Retrieval. , 2006, , .		3
79	Data-driven facial animation based on manifold Bayesian regression. Journal of Zhejiang University: Science A, 2006, 7, 556-563.	2.4	3
80	Understanding visual-auditory correlation from heterogeneous features for cross-media retrieval. Journal of Zhejiang University: Science A, 2008, 9, 241-249.	2.4	3
81	State Distribution-Aware Sampling for Deep Q-Learning. Neural Processing Letters, 2019, 50, 1649-1660.	3.2	3
82	An Approach for Cross-media Retrieval with Cross-reference Graph and PageRank. , 0, , .		2
83	Composite Distance Transformation for Indexing and k-Nearest-Neighbor Searching in High-Dimensional Spaces. Journal of Computer Science and Technology, 2007, 22, 208-217.	1.5	2
84	A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. IEEE Transactions on Big Data, 2019, 5, 588-600.	6.1	2
85	Segmenting Layers in Automated Visual Surveillance. , 0, , .		1
86	Multi-sensor image registration using multi-resolution shape analysis. Journal of Zhejiang University: Science A, 2006, 7, 549-555.	2.4	1
87	Data-Driven Automatic Generation of Decision Tree for Motion Retrieval with Temporal-Spatial Features. , 2006, , .		1
88	A Novel Scalable Texture Video Coding Scheme with GPCA. , 2007, , .		1
89	Speeding Up Similarity Queries over Large Chinese Calligraphic Character Databases Using Data Grid. , 2007, , .		1
90	Image interpretation: mining the visible and syntactic correlation of annotated words. Journal of Zhejiang University: Science A, 2009, 10, 1759-1768.	2.4	1

#	ARTICLE	IF	CITATIONS
91	Aspect Learning for Multimedia Summarization via Nonparametric Bayesian. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1931-1942.	8.3	1
92	Top attention in line with time: A light-weight strategy. , 2017, , .		1
93	ICDAR 2021 Competition on Scene Video Text Spotting. Lecture Notes in Computer Science, 2021, , 650-662.	1.3	1
94	An integrated framework for shot boundary detection with multi-level features similarity. , 0, , .		0
95	An integrated framework for shot boundary detection with multi-level features similarity. , 0, , .		0
96	Video segmentation using Maximum Entropy Model. Journal of Zhejiang University: Science A, 2005, 6, 47-52.	2.4	0
97	A Grid-based Framework for Pervasive Cross-Media Retrieval. , 2006, , .		0
98	Extracting Multimedia Semantics Based on Independent Modality Discovering and Fusion. , 2006, , .		0
99	An encoding-based dual distance tree high-dimensional index. Science in China Series F: Information Sciences, 2008, 51, 1401-1414.	1.1	0
100	Inverse-degree Sampling for Spectral Clustering. , 2011, , .		0
101	Nonnegative Matrix Factorization for Multimodality Data from Multi-source Domain. , 2012, , .		0
102	Attribute prediction with long-range interactions via path coding. , 2014, , .		0
103	HTMVS: Visualizing hierarchical topics and their evolution. , 2015, , .		0
104	Guest Editorial: Spatio-temporal Feature Learning for Unconstrained Video Analysis. Multimedia Tools and Applications, 2018, 77, 29209-29211.	3.9	0
105	Visual knowledge guided intelligent generation of Chinese seal carving. Frontiers of Information Technology and Electronic Engineering, 0, , 1.	2.6	0