

# Jiashi Feng

## List of Publications by Year in descending order

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92  
papers

8,753  
citations

185998

28  
h-index

133063

59  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Joint Rain Detection and Removal from a Single Image. , 2017, , .		609
2	A Simple Pooling-Based Design for Real-Time Salient Object Detection. , 2019, , .		585
3	Object Region Mining with Adversarial Erasing: A Simple Classification to Semantic Segmentation Approach. , 2017, , .		517
4	Tensor Robust Principal Component Analysis with a New Tensor Nuclear Norm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 925-938.	9.7	500
5	End-to-End Comparative Attention Networks for Person Re-Identification. IEEE Transactions on Image Processing, 2017, 26, 3492-3506.	6.0	427
6	STC: A Simple to Complex Framework for Weakly-Supervised Semantic Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2314-2320.	9.7	390
7	Few-Shot Object Detection via Feature Reweighting. , 2019, , .		371
8	Tensor Robust Principal Component Analysis: Exact Recovery of Corrupted Low-Rank Tensors via Convex Optimization. , 2016, , .		310
9	Structured AutoEncoders for Subspace Clustering. IEEE Transactions on Image Processing, 2018, 27, 5076-5086.	6.0	284
10	Subspace Clustering by Block Diagonal Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 487-501.	9.7	267
11	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms. JAMA Network Open, 2020, 3, e200265.	2.8	236
12	A survey on deep learning-based fine-grained object classification and semantic segmentation. International Journal of Automation and Computing, 2017, 14, 119-135.	4.5	226
13	Joint Rain Detection and Removal from a Single Image with Contextualized Deep Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1377-1393.	9.7	224
14	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. NeuroImage, 2020, 206, 116276.	2.1	187
15	Deep Edge Guided Recurrent Residual Learning for Image Super-Resolution. IEEE Transactions on Image Processing, 2017, 26, 5895-5907.	6.0	157
16	Towards Pose Invariant Face Recognition in the Wild. , 2018, , .		157
17	Correlation Adaptive Subspace Segmentation by Trace Lasso. , 2013, , .		149
18	Single-Stage Multi-Person Pose Machines. , 2019, , .		147

#	ARTICLE	IF	CITATIONS
19	Recurrent Face Aging. , 2016, , .		135
20	Robust Subspace Segmentation with Block-Diagonal Prior. , 2014, , .		129
21	A Unified Alternating Direction Method of Multipliers by Majorization Minimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 527-541.	9.7	118
22	Recurrently Target-Attending Tracking. , 2016, , .		112
23	Robust Facial Landmark Detection via Recurrent Attentive-Refinement Networks. Lecture Notes in Computer Science, 2016, , 57-72.	1.0	106
24	Deep Adversarial Subspace Clustering. , 2018, , .		106
25	Deep Clustering With Sample-Assignment Invariance Prior. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4857-4868.	7.2	98
26	Video-Based Person Re-Identification With Accumulative Motion Context. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2788-2802.	5.6	94
27	Attention-Aware Deep Adversarial Hashing for Cross-Modal Retrieval. Lecture Notes in Computer Science, 2018, , 614-629.	1.0	91
28	Geometric $\ell_{2,1}$ -norm feature pooling for image classification. , 2011, , .		86
29	Regional Interactive Image Segmentation Networks. , 2017, , .		86
30	3D-Aided Dual-Agent GANs for Unconstrained Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2380-2394.	9.7	80
31	Predicting Alzheimer's disease progression using deep recurrent neural networks. NeuroImage, 2020, 222, 117203.	2.1	76
32	Deep Subspace Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5509-5521.	7.2	74
33	Frame-Consistent Recurrent Video Deraining With Dual-Level Flow. , 2019, , .		70
34	Deep Future Gaze: Gaze Anticipation on Egocentric Videos Using Adversarial Networks. , 2017, , .		69
35	Cycle-SUM: Cycle-Consistent Adversarial LSTM Networks for Unsupervised Video Summarization. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9143-9150.	3.6	68
36	Human Pose Estimation with Parsing Induced Learner. , 2018, , .		63

#	ARTICLE	IF	CITATIONS
37	Look across Elapse: Disentangled Representation Learning and Photorealistic Cross-Age Face Synthesis for Age-Invariant Face Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9251-9258.	3.6	60
38	3D Face Reconstruction From A Single Image Assisted by 2D Face Images in the Wild. IEEE Transactions on Multimedia, 2021, 23, 1160-1172.	5.2	58
39	Outlier-Robust Tensor PCA. , 2017, , .		55
40	Deep Salient Object Detection With Dense Connections and Distraction Diagnosis. IEEE Transactions on Multimedia, 2018, 20, 3239-3251.	5.2	55
41	3D-Aided Deep Pose-Invariant Face Recognition. , 2018, , .		49
42	Recovering the Unbiased Scene Graphs from the Biased Ones. , 2021, , .		49
43	Dynamic Conditional Networks for Few-Shot Learning. Lecture Notes in Computer Science, 2018, , 20-36.	1.0	46
44	Video super-resolution based on spatial-temporal recurrent residual networks. Computer Vision and Image Understanding, 2018, 168, 79-92.	3.0	44
45	Exact Low Tubal Rank Tensor Recovery from Gaussian Measurements. , 2018, , .		43
46	Dynamic Kernel Distillation for Efficient Pose Estimation in Videos. , 2019, , .		42
47	TSS <sup>2</sup> C: Tight Box Mining with Surrounding Segmentation Context for Weakly Supervised Object Detection. Lecture Notes in Computer Science, 2018, , 454-470.	1.0	40
48	Robust Face Recognition with Deep Multi-View Representation Learning. , 2016, , .		37
49	Cross-Layer Feature Pyramid Network for Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 4587-4598.	6.0	34
50	Towards Age-Invariant Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 474-487.	9.7	32
51	A Balanced and Uncertainty-Aware Approach for Partial Domain Adaptation. Lecture Notes in Computer Science, 2020, , 123-140.	1.0	32
52	PnP-DETR: Towards Efficient Visual Analysis with Transformers. , 2021, , .		29
53	Recognizing Profile Faces by Imagining Frontal View. International Journal of Computer Vision, 2020, 128, 460-478.	10.9	28
54	Unsupervised Video Summarization With Cycle-Consistent Adversarial LSTM Networks. IEEE Transactions on Multimedia, 2020, 22, 2711-2722.	5.2	28

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55	Dual Adversarial Autoencoders for Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1417-1424.	7.2	27
56	Joint Face Image Restoration and Frontalization for Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1285-1298.	5.6	27
57	Multi-Prototype Networks for Unconstrained Set-based Face Recognition. , 2019, , .		27
58	Know You at One Glance: A Compact Vector Representation for Low-Shot Learning. , 2017, , .		26
59	Modeling Alzheimer's disease progression using deep recurrent neural networks. , 2018, , .		26
60	Adaptive ROI generation for video object segmentation using reinforcement learning. Pattern Recognition, 2020, 106, 107465.	5.1	26
61	Finding any Waldo with zero-shot invariant and efficient visual search. Nature Communications, 2018, 9, 3730.	5.8	25
62	Training Group Orthogonal Neural Networks with Privileged Information. , 2017, , .		25
63	Online Robust Low-Rank Tensor Modeling for Streaming Data Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1061-1075.	7.2	22
64	Landmark Free Face Attribute Prediction. IEEE Transactions on Image Processing, 2018, 27, 4651-4662.	6.0	20
65	Toward a Comprehensive Face Detector in the Wild. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 104-114.	5.6	20
66	Robust Video-Based Person Re-Identification by Hierarchical Mining. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8179-8191.	5.6	19
67	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
68	Online Meta Adaptation for Fast Video Object Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.	9.7	17
69	Dense Attentive Feature Enhancement for Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8128-8141.	5.6	17
70	Anticipating Where People will Look Using Adversarial Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1783-1796.	9.7	16
71	Recurrent Face Aging with Hierarchical AutoRegressive Memory. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 654-668.	9.7	16
72	Compressed-Domain Highway Vehicle Counting by Spatial and Temporal Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 263-274.	5.6	15

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73	ORDNet: Capturing Omni-Range Dependencies for Scene Parsing. IEEE Transactions on Image Processing, 2020, 29, 8251-8263.	6.0	15
74	Visual Relationship Detection With Visual-Linguistic Knowledge From Multimodal Representations. IEEE Access, 2021, 9, 50441-50451.	2.6	15
75	Image-to-Video Generation via 3D Facial Dynamics. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1805-1819.	5.6	15
76	Integrated Face Analytics Networks through Cross-Dataset Hybrid Training. , 2017, , .		14
77	Deep multi-person kinship matching and recognition for family photos. Pattern Recognition, 2020, 105, 107342.	5.1	14
78	Heterogeneous Domain Adaptation via Covariance Structured Feature Translators. IEEE Transactions on Cybernetics, 2021, 51, 2166-2177.	6.2	14
79	Faster First-Order Methods for Stochastic Non-Convex Optimization on Riemannian Manifolds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 459-472.	9.7	14
80	PVRED: A Position-Velocity Recurrent Encoder-Decoder for Human Motion Prediction. IEEE Transactions on Image Processing, 2021, 30, 6096-6106.	6.0	14
81	Histogram Contextualization. IEEE Transactions on Image Processing, 2012, 21, 778-788.	6.0	10
82	Improving Bottom-up Saliency Detection by Looking into Neighbors. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1016-1028.	5.6	9
83	Collaborative Linear Coding for Robust Image Classification. International Journal of Computer Vision, 2015, 114, 322-333.	10.9	8
84	Anytime Recognition with Routing Convolutional Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1875-1886.	9.7	7
85	Spatial-Aware Texture Transformer for High-Fidelity Garment Transfer. IEEE Transactions on Image Processing, 2021, 30, 7499-7510.	6.0	7
86	Online Robust Low-Rank Tensor Learning. , 2017, , .		7
87	Detail Preserving Coarse-to-Fine Matching for Stereo Matching and Optical Flow. IEEE Transactions on Image Processing, 2021, 30, 5835-5847.	6.0	5
88	Temporally Refined Graph U-Nets for Human Shape and Pose Estimation From Monocular Videos. IEEE Signal Processing Letters, 2020, 27, 1949-1953.	2.1	4
89	A Live Face Swapper. , 2016, , .		3
90	PML-LocNet: Improving Object Localization With Prior-Induced Multi-View Learning Network. IEEE Transactions on Image Processing, 2020, 29, 2568-2582.	6.0	2

#	ARTICLE	IF	CITATIONS
91	Velocity-to-velocity human motion forecasting. Pattern Recognition, 2022, 124, 108424.	5.1	2
92	SODAR: Exploring Locally Aggregated Learning of Mask Representations for Instance Segmentation. IEEE Transactions on Image Processing, 2022, 31, 839-851.	6.0	0