

Jingwen Wang

List of Publications by Year in descending order

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49
papers

5,799
citations

471509

17
h-index

501196

28
g-index

50
all docs

50
docs citations

50
times ranked

3293
citing authors

#	ARTICLE	IF	CITATIONS
1	AOD-Net: All-in-One Dehazing Network. , 2017, , .		1,095
2	Benchmarking Single-Image Dehazing and Beyond. IEEE Transactions on Image Processing, 2019, 28, 492-505.	9.8	1,002
3	EnlightenGAN: Deep Light Enhancement Without Paired Supervision. IEEE Transactions on Image Processing, 2021, 30, 2340-2349.	9.8	811
4	DeblurGAN-v2: Deblurring (Orders-of-Magnitude) Faster and Better. , 2019, , .		513
5	ABD-Net: Attentive but Diverse Person Re-Identification. , 2019, , .		314
6	Single Image Deraining: A Comprehensive Benchmark Analysis. , 2019, , .		178
7	Robust Video Super-Resolution with Learned Temporal Dynamics. , 2017, , .		155
8	AutoGAN: Neural Architecture Search for Generative Adversarial Networks. , 2019, , .		150
9	Studying Very Low Resolution Recognition Using Deep Networks. , 2016, , .		146
10	D3: Deep Dual-Domain Based Fast Restoration of JPEG-Compressed Images. , 2016, , .		143
11	Advancing Image Understanding in Poor Visibility Environments: A Collective Benchmark Study. IEEE Transactions on Image Processing, 2020, 29, 5737-5752.	9.8	124
12	When Image Denoising Meets High-Level Vision Tasks: A Deep Learning Approach. , 2018, , .		102
13	Connecting Image Denoising and High-Level Vision Tasks via Deep Learning. IEEE Transactions on Image Processing, 2020, 29, 3695-3706.	9.8	97
14	Convolutional Sparse Coding for Compressed Sensing CT Reconstruction. IEEE Transactions on Medical Imaging, 2019, 38, 2607-2619.	8.9	86
15	DeepFont. , 2015, , .		79
16	Attention-guided joint learning CNN with noise robustness for bearing fault diagnosis and vibration signal denoising. ISA Transactions, 2022, 128, 470-484.	5.7	78
17	Learning Temporal Dynamics for Video Super-Resolution: A Deep Learning Approach. IEEE Transactions on Image Processing, 2018, 27, 3432-3445.	9.8	64
18	Controllable Artistic Text Style Transfer via Shape-Matching GAN. , 2019, , .		57

#	ARTICLE	IF	CITATIONS
19	DADA: Deep Adversarial Data Augmentation for Extremely Low Data Regime Classification. , 2019, , .		53
20	Delving Into Robust Object Detection From Unmanned Aerial Vehicles: A Deep Nuisance Disentanglement Approach. , 2019, , .		52
21	Semisupervised Hyperspectral Classification Using Task-Driven Dictionary Learning With Laplacian Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1161-1173.	6.3	49
22	Deep Adversarial Data Augmentation for Extremely Low Data Regimes. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 15-28.	8.3	40
23	Dual Dynamic Inference: Enabling More Efficient, Adaptive, and Controllable Deep Inference. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 623-633.	10.8	39
24	Hyperspectral Image Classification Using Similarity Measurements-Based Deep Recurrent Neural Networks. Remote Sensing, 2019, 11, 194.	4.0	38
25	A Comprehensive Benchmark Analysis of Single Image Deraining: Current Challenges and Future Perspectives. International Journal of Computer Vision, 2021, 129, 1301-1322.	15.6	37
26	Deep Plastic Surgery: Robust and Controllable Image Editing with Human-Drawn Sketches. Lecture Notes in Computer Science, 2020, , 601-617.	1.3	34
27	Learning A Task-Specific Deep Architecture For Clustering. , 2016, , .		29
28	Enhance Visual Recognition Under Adverse Conditions via Deep Networks. IEEE Transactions on Image Processing, 2019, 28, 4401-4412.	9.8	28
29	Recurrent Exposure Generation for Low-Light Face Detection. IEEE Transactions on Multimedia, 2022, 24, 1609-1621.	7.2	27
30	SSH: A Self-Supervised Framework for Image Harmonization. , 2021, , .		26
31	Bridging the Gap Between Computational Photography and Visual Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4272-4290.	13.9	21
32	Privacy-Preserving Deep Action Recognition: An Adversarial Learning Framework and A New Dataset. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2126-2139.	13.9	20
33	A Roadmap for Automatic Surgical Site Infection Detection and Evaluation Using User-Generated Incision Images. Surgical Infections, 2019, 20, 555-565.	1.4	17
34	Fast Sequential Feature Extraction for Recurrent Neural Network-Based Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5920-5937.	6.3	15
35	Controllable Sketch-to-Image Translation for Robust Face Synthesis. IEEE Transactions on Image Processing, 2021, 30, 8797-8810.	9.8	14
36	VGA: End-to-End Learning of Vision-Based Decentralized Controllers for Robot Swarms. , 2021, , .		11

#	ARTICLE	IF	CITATIONS
37	AdaDeep: A Usage-Driven, Automated Deep Model Compression Framework for Enabling Ubiquitous Intelligent Mobiles. IEEE Transactions on Mobile Computing, 2021, 20, 3282-3297.	5.8	9
38	Learning Simple Thresholded Features With Sparse Support Recovery. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 970-982.	8.3	8
39	Frank-Wolfe Network: An Interpretable Deep Structure for Non-Sparse Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3068-3080.	8.3	8
40	Low-light image enhancement network with decomposition and adaptive information fusion. Neural Computing and Applications, 2022, 34, 7733-7748.	5.6	6
41	Scalable Perception-Action-Communication Loops With Convolutional and Graph Neural Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 12-24.	2.8	6
42	IDEA-Net: Adaptive Dual Self-Attention Network for Single Image Denoising. , 2022, , .		6
43	CERL: A Unified Optimization Framework for Light Enhancement With Realistic Noise. IEEE Transactions on Image Processing, 2022, 31, 4162-4172.	9.8	5
44	Doubly Sparsifying Network. , 2017, , .		3
45	Report on UG challenge Track 1: Assessing algorithms to improve video object detection and classification from unconstrained mobility platforms. Computer Vision and Image Understanding, 2021, 213, 103297.		2
46	Black-Box Diagnosis and Calibration on GAN Intra-Mode Collapse: A Pilot Study. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-18.	4.3	2
47	SmartDeal: Remodeling Deep Network Weights for Efficient Inference and Training. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-15.	11.3	0
48	Guest Editorial Special Section on Learning With Multimodal Data for Biomedical Informatics. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2508-2511.	8.3	0
49	DANCE: DAta-Network Co-optimization for Efficient Segmentation Model Training and Inference. ACM Transactions on Design Automation of Electronic Systems, 2022, 27, 1-20.	2.6	0