

Run-Min Cong

List of Publications by Year in descending order

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51
papers

5,396
citations

172457

29
h-index

265206

42
g-index

51
all docs

51
docs citations

51
times ranked

1942
citing authors

#	ARTICLE	IF	CITATIONS
1	An Underwater Image Enhancement Benchmark Dataset and Beyond. IEEE Transactions on Image Processing, 2020, 29, 4376-4389.	9.8	805
2	Zero-Reference Deep Curve Estimation for Low-Light Image Enhancement. , 2020, , .		751
3	Underwater Image Enhancement by Dehazing With Minimum Information Loss and Histogram Distribution Prior. IEEE Transactions on Image Processing, 2016, 25, 5664-5677.	9.8	477
4	Underwater Image Enhancement via Medium Transmission-Guided Multi-Color Space Embedding. IEEE Transactions on Image Processing, 2021, 30, 4985-5000.	9.8	295
5	Review of Visual Saliency Detection With Comprehensive Information. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2941-2959.	8.3	275
6	Global Context-Aware Progressive Aggregation Network for Salient Object Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 10599-10606.	4.9	244
7	Saliency Detection for Stereoscopic Images Based on Depth Confidence Analysis and Multiple Cues Fusion. IEEE Signal Processing Letters, 2016, 23, 819-823.	3.6	188
8	Nested Network With Two-Stream Pyramid for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9156-9166.	6.3	175
9	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100.	9.5	165
10	Dense Attention Fluid Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Image Processing, 2021, 30, 1305-1317.	9.8	157
11	DPANet: Depth Potentiality-Aware Gated Attention Network for RGB-D Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 7012-7024.	9.8	140
12	A hybrid method for underwater image correction. Pattern Recognition Letters, 2017, 94, 62-67.	4.2	137
13	Going From RGB to RGBD Saliency: A Depth-Guided Transformation Model. IEEE Transactions on Cybernetics, 2020, 50, 3627-3639.	9.5	125
14	Hierarchical Features Driven Residual Learning for Depth Map Super-Resolution. IEEE Transactions on Image Processing, 2019, 28, 2545-2557.	9.8	124
15	Co-Saliency Detection for RGBD Images Based on Multi-Constraint Feature Matching and Cross Label Propagation. IEEE Transactions on Image Processing, 2018, 27, 568-579.	9.8	108
16	An Iterative Co-Saliency Framework for RGBD Images. IEEE Transactions on Cybernetics, 2019, 49, 233-246.	9.5	95
17	PDR-Net: Perception-Inspired Single Image Dehazing Network With Refinement. IEEE Transactions on Multimedia, 2020, 22, 704-716.	7.2	92
18	HSCS: Hierarchical Sparsity Based Co-saliency Detection for RGBD Images. IEEE Transactions on Multimedia, 2019, 21, 1660-1671.	7.2	80

#	ARTICLE	IF	CITATIONS
19	RGB-D Salient Object Detection with Cross-Modality Modulation and Selection. Lecture Notes in Computer Science, 2020, , 225-241.	1.3	80
20	Video Saliency Detection via Sparsity-Based Reconstruction and Propagation. IEEE Transactions on Image Processing, 2019, 28, 4819-4831.	9.8	77
21	RRNet: Relational Reasoning Network With Parallel Multiscale Attention for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	75
22	Underwater Image Enhancement Quality Evaluation: Benchmark Dataset and Objective Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5959-5974.	8.3	72
23	A parallel down-up fusion network for salient object detection in optical remote sensing images. Neurocomputing, 2020, 415, 411-420.	5.9	66
24	Perceptual hashing for image authentication: A survey. Signal Processing: Image Communication, 2020, 81, 115713.	3.2	63
25	Cross-modality Discrepant Interaction Network for RGB-D Salient Object Detection. , 2021, , .		55
26	Edge-Guided Recurrent Positioning Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Cybernetics, 2023, 53, 539-552.	9.5	53
27	Joint spatial-spectral hyperspectral image classification based on convolutional neural network. Pattern Recognition Letters, 2020, 130, 38-45.	4.2	49
28	A reference-free underwater image quality assessment metric in frequency domain. Signal Processing: Image Communication, 2021, 94, 116218.	3.2	43
29	Dynamic Selective Network for RGB-D Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 9179-9192.	9.8	43
30	Unsupervised Decomposition and Correction Network for Low-Light Image Enhancement. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19440-19455.	8.0	40
31	Two-Branch Deep Neural Network for Underwater Image Enhancement in HSV Color Space. IEEE Signal Processing Letters, 2021, 28, 2152-2156.	3.6	33
32	Color-Guided Depth Map Super Resolution Using Convolutional Neural Network. IEEE Access, 2017, 5, 26666-26672.	4.2	29
33	MCMT-GAN: Multi-Task Coherent Modality Transferable GAN for 3D Brain Image Synthesis. IEEE Transactions on Image Processing, 2020, 29, 8187-8198.	9.8	28
34	Towards Fast and Accurate Real-World Depth Super-Resolution: Benchmark Dataset and Baseline. , 2021, , .		27
35	Single underwater image enhancement based on color cast removal and visibility restoration. Journal of Electronic Imaging, 2016, 25, 033012.	0.9	22
36	BridgeNet: A Joint Learning Network of Depth Map Super-Resolution and Monocular Depth Estimation. , 2021, , .		16

#	ARTICLE	IF	CITATIONS
37	Co-Saliency Detection via Hierarchical Consistency Measure. , 2018, , .		12
38	DMVOS. , 2020, , .		11
39	Superpixel Segmentation Based on Square-Wise Asymmetric Partition and Structural Approximation. IEEE Transactions on Multimedia, 2019, 21, 2625-2637.	7.2	10
40	Deep Interleaved Network for Single Image Super-Resolution with Asymmetric Co-Attention. , 2020, , .		10
41	NuI-Go: Recursive Non-Local Encoder-Decoder Network for Retinal Image Non-Uniform Illumination Removal. , 2020, , .		8
42	Unsupervised classification for PolSAR images based on multi-level feature extraction. International Journal of Remote Sensing, 2020, 41, 534-548.	2.9	7
43	Cross-Modality Fusion and Progressive Integration Network for Saliency Prediction on Stereoscopic 3D Images. IEEE Transactions on Multimedia, 2022, 24, 2435-2448.	7.2	7
44	Stereo superpixel: An iterative framework based on parallax consistency and collaborative optimization. Information Sciences, 2021, 556, 209-222.	6.9	6
45	Superpixel Segmentation Based on Spatially Constrained Subspace Clustering. IEEE Transactions on Industrial Informatics, 2021, 17, 7501-7512.	11.3	5
46	GGRNet: Global Graph Reasoning Network for Salient Object Detection in Optical Remote Sensing Images. Lecture Notes in Computer Science, 2021, , 584-596.	1.3	5
47	Adaptive feature fusion network based on boosted attention mechanism for single image dehazing. Multimedia Tools and Applications, 2022, 81, 11325-11339.	3.9	5
48	SRInpaintor: When Super-Resolution Meets Transformer for Image Inpainting. IEEE Transactions on Computational Imaging, 2022, 8, 743-758.	4.4	3
49	Manmade target extraction based on multistage decision and its application for change detection in polarimetric synthetic aperture radar image. Journal of Electronic Imaging, 2016, 25, 053017.	0.9	1
50	Foreground Detection and Segmentation in RGB-D Images. Advances in Computer Vision and Pattern Recognition, 2019, , 221-241.	1.3	1
51	Image Quality Assessment-driven Reinforcement Learning for Mixed Distorted Image Restoration. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-23.	4.3	1