Chong-Yi Li

List of Publications by Year
in descending order

45 papers	5,662 citations	257450 24 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	1727 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 scene prior inspired deep underwater image and video enhancement. Pattern Recognition, 2020, 98, 107038.	8.1	465
5	Emerging From Water: Underwater Image Color Correction Based on Weakly Supervised Color Transfer. IEEE Signal Processing Letters, 2018, 25, 323-327.	3.6	339
6	Underwater Image Enhancement via Medium Transmission-Guided Multi-Color Space Embedding. IEEE Transactions on Image Processing, 2021, 30, 4985-5000.	9.8	295
7	LightenNet: A Convolutional Neural Network for weakly illuminated image enhancement. Pattern Recognition Letters, 2018, 104, 15-22.	4.2	279
8	Underwater Image Enhancement via Minimal Color Loss and Locally Adaptive Contrast Enhancement. IEEE Transactions on Image Processing, 2022, 31, 3997-4010.	9.8	179
9	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
10	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100.	9.5	165
11	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
12	Bayesian retinex underwater image enhancement. Engineering Applications of Artificial Intelligence, 2021, 101, 104171.	8.1	144
13	A hybrid method for underwater image correction. Pattern Recognition Letters, 2017, 94, 62-67.	4.2	137
14	Learning to Enhance Low-Light Image via Zero-Reference Deep Curve Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	128
15	Diving deeper into underwater image enhancement: A survey. Signal Processing: Image Communication, 2020, 89, 115978.	3.2	125
16	Hierarchical Features Driven Residual Learning for Depth Map Super-Resolution. IEEE Transactions on Image Processing, 2019, 28, 2545-2557.	9.8	124
17	An In-Depth Survey of Underwater Image Enhancement and Restoration. IEEE Access, 2019, 7, 123638-123657.	4.2	95
18	PDR-Net: Perception-Inspired Single Image Dehazing Network With Refinement. IEEE Transactions on Multimedia, 2020, 22, 704-716.	7.2	92

#	ARTICLE	IF	CITATIONS
19	Single underwater image restoration by blue-green channels dehazing and red channel correction. , 2016, , .		86
20	A Cascaded Convolutional Neural Network for Single Image Dehazing. IEEE Access, 2018, 6, 24877-24887.	4.2	80
21	RGB-D Salient Object Detection withÂCross-Modality Modulation andÂSelection. Lecture Notes in Computer Science, 2020, , 225-241.	1.3	80
22	Underwater Image Enhancement by Attenuated Color Channel Correction and Detail Preserved Contrast Enhancement. IEEE Journal of Oceanic Engineering, 2022, 47, 718-735.	3.8	73
23	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
24	A parallel down-up fusion network for salient object detection in optical remote sensing images. Neurocomputing, 2020, 415, 411-420.	5.9	66
25	Underwater image enhancement by dehazing and color correction. Journal of Electronic Imaging, 2015, 24, 033023.	0.9	62
26	Underwater image restoration based on minimum information loss principle and optical properties of underwater imaging. , 2016, , .		40
27	Underwater image restoration via feature priors to estimate background light and optimized transmission map. Optics Express, 2021, 29, 28228.	3.4	25
28	Single underwater image enhancement based on color cast removal and visibility restoration. Journal of Electronic Imaging, 2016, 25, 033012.	0.9	22
29	Fast color balance and multi-path fusion for sandstorm image enhancement. Signal, Image and Video Processing, 2021, 15, 637-644.	2.7	17
30	A Feature Selection Algorithm Based on Equal Interval Division and Minimal-Redundancyâ€"Maximal-Relevance. Neural Processing Letters, 2020, 51, 1237-1263.	3.2	16
31	Conditional mutual information-based feature selection algorithm for maximal relevance minimal redundancy. Applied Intelligence, 2022, 52, 1436-1447.	5.3	13
32	A feature selection algorithm based on redundancy analysis and interaction weight. Applied Intelligence, 2021, 51, 2672-2686.	5.3	12
33	The Orientation Estimation of Elongated Underground Objects via Multipolarization Aggregation and Selection Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	11
34	NuI-Go: Recursive Non-Local Encoder-Decoder Network for Retinal Image Non-Uniform Illumination Removal. , 2020, , .		8
35	Learning to remove sandstorm for image enhancement. Visual Computer, 2023, 39, 1829-1852.	3.5	8
36	Image compressed sensing based on non-convex low-rank approximation. Multimedia Tools and Applications, 2018, 77, 12853-12869.	3.9	6

#	Article	IF	Citations
37	Stereo superpixel: An iterative framework based on parallax consistency and collaborative optimization. Information Sciences, 2021, 556, 209-222.	6.9	6
38	Under-Display Camera Image Enhancement via Cascaded Curve Estimation. IEEE Transactions on Image Processing, 2022, 31, 4856-4868.	9.8	6
39	Hierarchical feature concatenation-based kernel sparse representations for image categorization. Visual Computer, 2017, 33, 647-663.	3.5	5
40	Blind face images deblurring with enhancement. Multimedia Tools and Applications, 2021, 80, 2975-2995.	3.9	4
41	Estimating Parameters of the Tree Root in Heterogeneous Soil Environments via Mask-Guided Multi-Polarimetric Integration Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	4
42	Nighttime image dehazing using color cast removal and dual path multi-scale fusion strategy. Frontiers of Computer Science, 2022, 16, 1.	2.4	3
43	A Feature Selection Algorithm Based on Equal Interval Division and Conditional Mutual Information. Neural Processing Letters, 2022, 54, 2079-2105.	3.2	3
44	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
45	A visual hierarchical framework based model for underwater image enhancement. Frontiers of Computer Science, 2019, 13, 665-667.	2.4	1