Yong-Jie Li

List of Publications by Year
in descending order

53 papers	1,466 citations	394421 19 h-index	377865 34 g-index
56 all docs	56 docs citations	56 times ranked	957 citing authors

#	Article	IF	Citations
1	A Fish Retina-Inspired Single Image Dehazing Method. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1875-1888.	8.3	5
2	A new representation of scene layout improves saliency detection in traffic scenes. Expert Systems With Applications, 2022, 193, 116425.	7.6	6
3	A Local and Global Feature Disentangled Network: Toward Classification of Benign-Malignant Thyroid Nodules From Ultrasound Image. IEEE Transactions on Medical Imaging, 2022, 41, 1497-1509.	8.9	16
4	Dynamic 3D radiomics analysis using artificial intelligence to assess the stage of COVID-19 on CT images. European Radiology, 2022, 32, 4760-4770.	4.5	1
5	Thermal Infrared Image Colorization for Nighttime Driving Scenes With Top-Down Guided Attention. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15808-15823.	8.0	31
6	ID-YOLO: Real-Time Salient Object Detection Based on the Driver's Fixation Region. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15898-15908.	8.0	18
7	Nearest Descent, In-Tree, and Clustering. Mathematics, 2022, 10, 764.	2.2	1
8	Contour-guided saliency detection with long-range interactions. Neurocomputing, 2022, 488, 345-358.	5.9	1
9	Global-prior-guided fusion network for salient object detection. Expert Systems With Applications, 2022, 198, 116805.	7.6	9
10	Learning Crisp Boundaries Using Deep Refinement Network and Adaptive Weighting Loss. IEEE Transactions on Multimedia, 2021, 23, 761-771.	7.2	26
11	Enhancing in-tree-based clustering via distance ensemble and kernelization. Pattern Recognition, 2021, 112, 107731.	8.1	6
12	Retinal fundus image enhancement with image decomposition and visual adaptation. Computers in Biology and Medicine, 2021, 128, 104116.	7.0	30
13	A computational model for gestalt proximity principle on dot patterns and beyond. Journal of Vision, 2021, 21, 23.	0.3	2
14	Saliency Detection Inspired by Topological Perception Theory. International Journal of Computer Vision, 2021, 129, 2352-2374.	15.6	12
15	SCOAT-Net: A novel network for segmenting COVID-19 lung opacification from CT images. Pattern Recognition, 2021, 119, 108109.	8.1	32
16	A deep-learning-based framework for severity assessment of COVID-19 with CT images. Expert Systems With Applications, 2021, 185, 115616.	7.6	25
17	Nighttime Thermal Infrared Image Colorization with Dynamic Label Mining. Lecture Notes in Computer Science, 2021, , 388-399.	1.3	6
18	A Biological Vision Inspired Framework for Image Enhancement in Poor Visibility Conditions. IEEE Transactions on Image Processing, 2020, 29, 1493-1506.	9.8	45

#	Article	IF	Citations
19	Notice of Violation of IEEE Publication Principles: Tone Mapping Beyond the Classical Receptive Field. IEEE Transactions on Image Processing, 2020, 29, 4174-4187.	9.8	3
20	Retina inspired tone mapping method for high dynamic range images. Optics Express, 2020, 28, 5953.	3.4	6
21	Underwater Image Enhancement Using Adaptive Retinal Mechanisms. IEEE Transactions on Image Processing, 2019, 28, 5580-5595.	9.8	86
22	Combining Bottom-Up and Top-Down Visual Mechanisms for Color Constancy Under Varying Illumination. IEEE Transactions on Image Processing, 2019, 28, 4387-4400.	9.8	19
23	A Video Salient Object Detection Model Guided by Spatio-Temporal Prior. , 2019, , .		2
24	Fixation Prediction based on Scene Contours. , 2019, , .		0
25	An Adaptive Method for Image Dynamic Range Adjustment. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 640-652.	8.3	33
26	Improving color constancy by selecting suitable set of training images. Optics Express, 2019, 27, 25611.	3.4	13
27	Bayes Saliency-Based Object Proposal Generator for Nighttime Traffic Images. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 814-825.	8.0	23
28	Learning to Boost Bottom-Up Fixation Prediction in Driving Environments via Random Forest. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3059-3067.	8.0	20
29	Nighttime Vehicle Detection Based on Bio-Inspired Image Enhancement and Weighted Score-Level Feature Fusion. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 927-936.	8.0	59
30	Improving color constancy by discounting the variation of camera spectral sensitivity. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1448.	1.5	32
31	Where Does the Driver Look? Top-Down-Based Saliency Detection in a Traffic Driving Environment. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2051-2062.	8.0	66
32	A Unified Framework for Salient Structure Detection by Contour-Guided Visual Search. IEEE Transactions on Image Processing, 2016, 25, 3475-3488.	9.8	32
33	A Retinal Mechanism Inspired Color Constancy Model. IEEE Transactions on Image Processing, 2016, 25, 1219-1232.	9.8	51
34	Potential roles of the interaction between model V1 neurons with orientation-selective and non-selective surround inhibition in contour detection. Frontiers in Neural Circuits, 2015, 9, 30.	2.8	5
35	A Retina Inspired Model for Enhancing Visibility of Hazy Images. Frontiers in Computational Neuroscience, 2015, 9, 151.	2.1	32
36	Color Constancy Using Double-Opponency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1973-1985.	13.9	92

#	Article	IF	Citations
37	Efficient illuminant estimation for color constancy using grey pixels. , 2015, , .		83
38	Silent suppressive surrounds and optimal spatial frequencies of single neurons in cat V1. Neuroscience Letters, 2015, 597, 104-110.	2.1	3
39	Boundary Detection Using Double-Opponency and Spatial Sparseness Constraint. IEEE Transactions on Image Processing, 2015, 24, 2565-2578.	9.8	61
40	Multifeature-Based Surround Inhibition Improves Contour Detection in Natural Images. IEEE Transactions on Image Processing, 2014, 23, 5020-5032.	9.8	60
41	A Color Constancy Model with Double-Opponency Mechanisms. , 2013, , .		39
42	Efficient Color Boundary Detection with Color-Opponent Mechanisms. , 2013, , .		45
43	A Coutour Detection Model Based on Surround Inhibition with Multiple Cues. Communications in Computer and Information Science, 2012, , 145-152.	0.5	3
44	Centerâ€"surround interaction with adaptive inhibition: A computational model for contour detection. NeuroImage, 2011, 55, 49-66.	4.2	84
45	Contour detection based on a non-classical receptive field model with butterfly-shaped inhibition subregions. Neurocomputing, 2011, 74, 1527-1534.	5.9	73
46	A Feasible Solution to the Beam-Angle-Optimization Problem in Radiotherapy Planning With a DNA-Based Genetic Algorithm. IEEE Transactions on Biomedical Engineering, 2010, 57, 499-508.	4.2	19
47	An approaching genetic algorithm for automatic beam angle selection in IMRT planning. Computer Methods and Programs in Biomedicine, 2009, 93, 257-265.	4.7	17
48	A Textural Feature-Based Image Retrieval Algorithm. , 2008, , .		6
49	A DNA genetic algorithm for beam angle selection in radiotherapy planning. , 2008, , .		1
50	A hybrid face recognition algorithm based on WT, NMFs and SVM. , 2008, , .		0
51	Contour detection based on the property of orientation selective inhibition of non-classical receptive field. , 2008, , .		4
52	A Support Vector Machine Based Algorithm for Magnetic Resonance Image Segmentation. , 2008, , .		11
53	Automatic beam angle selection in IMRT planning using genetic algorithm. Physics in Medicine and Biology, 2004, 49, 1915-1932.	3.0	107