

# Yuijie Li

## List of Publications by Year in descending order

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Version: 2024-02-01

121  
papers

4,542  
citations

201385

27  
h-index

106150

65  
g-index

124  
all docs

124  
docs citations

124  
times ranked

2835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain Intelligence: Go beyond Artificial Intelligence. <i>Mobile Networks and Applications</i> , 2018, 23, 368-375.	2.2	807
2	Motor Anomaly Detection for Unmanned Aerial Vehicles Using Reinforcement Learning. <i>IEEE Internet of Things Journal</i> , 2018, 5, 2315-2322.	5.5	373
3	NAS-Unet: Neural Architecture Search for Medical Image Segmentation. <i>IEEE Access</i> , 2019, 7, 44247-44257.	2.6	288
4	Low illumination underwater light field images reconstruction using deep convolutional neural networks. <i>Future Generation Computer Systems</i> , 2018, 82, 142-148.	4.9	246
5	Deep Fuzzy Hashing Network for Efficient Image Retrieval. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 166-176.	6.5	236
6	Wound intensity correction and segmentation with convolutional neural networks. <i>Concurrency Computation Practice and Experience</i> , 2017, 29, e3927.	1.4	185
7	Contrast enhancement for images in turbid water. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 886.	0.8	181
8	Underwater image de-scattering and classification by deep neural network. <i>Computers and Electrical Engineering</i> , 2016, 54, 68-77.	3.0	141
9	CONet: A Cognitive Ocean Network. <i>IEEE Wireless Communications</i> , 2019, 26, 90-96.	6.6	140
10	User-Oriented Virtual Mobile Network Resource Management for Vehicle Communications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3521-3532.	4.7	140
11	Underwater Optical Image Processing: a Comprehensive Review. <i>Mobile Networks and Applications</i> , 2017, 22, 1204-1211.	2.2	135
12	The Cognitive Internet of Vehicles for Autonomous Driving. <i>IEEE Network</i> , 2019, 33, 65-73.	4.9	98
13	RFID Reader Anticollision Based on Distributed Parallel Particle Swarm Optimization. <i>IEEE Internet of Things Journal</i> , 2021, 8, 3099-3107.	5.5	95
14	Underwater image enhancement method using weighted guided trigonometric filtering and artificial light correction. <i>Journal of Visual Communication and Image Representation</i> , 2016, 38, 504-516.	1.7	82
15	Visual information processing for deep-sea visual monitoring system. <i>Cognitive Robotics</i> , 2021, 1, 3-11.	3.2	76
16	Underwater Image Super-Resolution by Descattering and Fusion. <i>IEEE Access</i> , 2017, 5, 670-679.	2.6	68
17	Single image dehazing through improved atmospheric light estimation. <i>Multimedia Tools and Applications</i> , 2016, 75, 17081-17096.	2.6	67
18	Underwater image enhancement using guided trigonometric bilateral filter and fast automatic color correction. , 2013, , .		66

#	ARTICLE	IF	CITATIONS
19	<p>High flow nasal cannula oxygen therapy versus non-invasive ventilation for chronic obstructive pulmonary disease with acute-moderate hypercapnic respiratory failure: an observational cohort study</p>. International Journal of COPD, 2019, Volume 14, 1229-1237.	0.9	64
20	FDCNet: filtering deep convolutional network for marine organism classification. Multimedia Tools and Applications, 2018, 77, 21847-21860.	2.6	53
21	Global-PBNet: A Novel Point Cloud Registration for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22312-22319.	4.7	50
22	Multi-Aspect Aware Session-Based Recommendation for Intelligent Transportation Services. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4696-4705.	4.7	45
23	PSAC: Proactive Sequence-Aware Content Caching via Deep Learning at the Network Edge. IEEE Transactions on Network Science and Engineering, 2020, 7, 2145-2154.	4.1	44
24	WideSegNeXt: Semantic Image Segmentation Using Wide Residual Network and NeXt Dilated Unit. IEEE Sensors Journal, 2021, 21, 11427-11434.	2.4	43
25	Depth Map Reconstruction for Underwater Kinect Camera Using Inpainting and Local Image Mode Filtering. IEEE Access, 2017, 5, 7115-7122.	2.6	38
26	Non-uniform de-Scattering and de-Blurring of Underwater Images. Mobile Networks and Applications, 2018, 23, 352-362.	2.2	38
27	Hessian matrix-based fourth-order anisotropic diffusion filter for image denoising. Optics and Laser Technology, 2019, 110, 184-190.	2.2	35
28	Adaptive Square Attack: Fooling Autonomous Cars With Adversarial Traffic Signs. IEEE Internet of Things Journal, 2021, 8, 6337-6347.	5.5	32
29	Turbidity Underwater Image Restoration Using Spectral Properties and Light Compensation. IEICE Transactions on Information and Systems, 2016, E99.D, 219-227.	0.4	28
30	Dust removal from high turbid underwater images using convolutional neural networks. Optics and Laser Technology, 2019, 110, 2-6.	2.2	28
31	Improved Point-Voxel Region Convolutional Neural Network: 3D Object Detectors for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9311-9317.	4.7	28
32	Fabrication of Cellulose Nanocrystal-g-Poly(Acrylic Acid-Co-Acrylamide) Aerogels for Efficient Pb(II) Removal. Polymers, 2020, 12, 333.	2.0	27
33	Underwater image descattering and quality assessment. , 2016, , .		24
34	Underwater Image High Definition Display Using the Multilayer Perceptron and Color Feature-Based SRCNN. IEEE Access, 2019, 7, 83721-83728.	2.6	23
35	Infrared moving point target detection based on an anisotropic spatial-temporal fourth-order diffusion filter. Computers and Electrical Engineering, 2018, 68, 550-556.	3.0	22
36	Lignin Isolated from Poplar Wood for Porous Carbons as Electrode for High-Energy Renewable Supercapacitor Driven by Lignin/Deep Eutectic Solvent Composite Gel Polymer Electrolyte. ACS Applied Energy Materials, 2022, 5, 6393-6400.	2.5	22

#	ARTICLE	IF	CITATIONS
37	Inception-SSD: An improved single shot detector for vehicle detection. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5047-5053.	3.3	20
38	Adversarial Attack Against Urban Scene Segmentation for Autonomous Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 4117-4126.	7.2	20
39	Cu nanoparticles of low polydispersity synthesized by a double-template method and their stability. Colloid and Polymer Science, 2014, 292, 715-722.	1.0	18
40	Spectral semi-blind deconvolution methods based on modified $\ell_1$ regularizations. Optics and Laser Technology, 2019, 110, 24-29.	2.2	18
41	Optimizing the Electronic Health Records Through Big Data Analytics: A Knowledge-Based View. IEEE Access, 2019, 7, 136223-136231.	2.6	17
42	Single underwater image descattering and color correction. , 2015, , .		16
43	Fast and robust feature tracking for 3D reconstruction. Optics and Laser Technology, 2019, 110, 120-128.	2.2	16
44	Medical image segmentation based on maximum entropy multi-threshold segmentation optimized by improved cuckoo search algorithm. , 2015, , .		15
45	Automatic road detection system for an airâ€œland amphibious car drone. Future Generation Computer Systems, 2018, 85, 51-59.	4.9	15
46	Deconvolution methods based on convex regularization for spectral resolution enhancement. Computers and Electrical Engineering, 2018, 70, 959-967.	3.0	14
47	Underwater image restoration algorithm for free-ascending deep-sea tripods. Optics and Laser Technology, 2019, 110, 129-134.	2.2	14
48	A novel bilateral impedance controls for underwater tele-operation systems. Applied Soft Computing Journal, 2020, 91, 106194.	4.1	14
49	Real-Time Visualization System for Deep-Sea Surveying. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	13
50	Cognitive ocean of things: a comprehensive review and future trends. Wireless Networks, 2022, 28, 917-926.	2.0	11
51	Low-Light Underwater Image Enhancement for Deep-Sea Tripod. IEEE Access, 2019, 7, 44080-44086.	2.6	11
52	An Effective Method for Preparation of Liquid Phosphoric Anhydride and Its Application in Flame Retardant Epoxy Resin. Materials, 2021, 14, 2205.	1.3	11
53	3D underwater scene reconstruction through descattering and colour correction. International Journal of Computational Science and Engineering, 2016, 12, 352.	0.4	10
54	Smart pathological brain detection system by predator-prey particle swarm optimization and single-hidden layer neural-network. Multimedia Tools and Applications, 2018, 77, 3871-3885.	2.6	10

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55	Dilated-aware discriminative correlation filter for visual tracking. World Wide Web, 2019, 22, 791-805.	2.7	10
56	Sparse representation based image super-resolution on the KNN based dictionaries. Optics and Laser Technology, 2019, 110, 135-144.	2.2	10
57	An Improved Ant Algorithm for Grid Task Scheduling Strategy. Physics Procedia, 2012, 24, 1974-1981.	1.2	9
58	Underwater image enhancement using improved generative adversarial network. Concurrency Computation Practice and Experience, 2021, 33, e5841.	1.4	9
59	Computer Vision for Ocean Observing. Studies in Computational Intelligence, 2017, , 1-16.	0.7	9
60	Multidimensional Deformable Object Manipulation Based on DN-Transporter Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 4532-4540.	4.7	8
61	Image restoration using anisotropic multivariate shrinkage function in contourlet domain. International Journal of Computational Science and Engineering, 2016, 12, 95.	0.4	7
62	Underwater Light Field Depth Map Restoration Using Deep Convolutional Neural Fields. Studies in Computational Intelligence, 2018, , 305-312.	0.7	7
63	Device-free indoor localization based on sparse coding with nonconvex regularization and adaptive relaxation localization criteria. International Journal of Machine Learning and Cybernetics, 2023, 14, 429-443.	2.3	7
64	Fast and robust local feature extraction for 3D reconstruction. Computers and Electrical Engineering, 2018, 71, 657-666.	3.0	6
65	Delay-dependent L <sup>1</sup> state estimation for neural networks with state and measurement time-varying delays. Neurocomputing, 2019, 331, 434-442.	3.5	6
66	Laser Soldering of Sn-based Solders with Different Melting Points. , 2020, , .		6
67	MetaSeg: A survey of meta-learning for image segmentation. Cognitive Robotics, 2021, 1, 83-91.	3.2	6
68	VLD-45: A Big Dataset for Vehicle Logo Recognition and Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25567-25573.	4.7	6
69	Single image super resolution via wavelet transform fusion and SRFeat network. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5023-5031.	3.3	6
70	Multimodal Medical Image Fusion in Modified Sharp Frequency Localized Contourlet Domain. , 2012, , .		5
71	GPU-accelerated feature tracking for 3D reconstruction. Optics and Laser Technology, 2019, 110, 165-175.	2.2	5
72	Joint Semantic-Instance Segmentation Method for Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 15540-15547.	4.7	5

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73	Super Resolving of the Depth Map for 3D Reconstruction of Underwater Terrain Using Kinect. , 2016, , .		4
74	Extraction of GGO Candidate Regions on Thoracic CT Images using SuperVoxel-Based Graph Cuts for Healthcare Systems. Mobile Networks and Applications, 2018, 23, 1669-1679.	2.2	4
75	Confused-Modulo-Projection-Based Somewhat Homomorphic Encryptionâ€™Cryptosystem, Library, and Applications on Secure Smart Cities. IEEE Internet of Things Journal, 2021, 8, 6324-6336.	5.5	4
76	Multi-feature fusion point cloud completion network. World Wide Web, 2022, 25, 1551-1564.	2.7	4
77	Distance Measurement with a General 3D Camera by Using a Modified Phase Only Correlation Method. , 2013, , .		3
78	Underwater optical image dehazing using guided trigonometric bilateral filtering. , 2013, , .		3
79	Cross Depth Image Filter-Based Natural Image Matting. , 2013, , .		3
80	Secondary optical design of LED lamps with high CRI and adjustable CCT. , 2014, , .		3
81	Underwater image enhancement using inherent optical properties. , 2015, , .		3
82	A Novel High-Turbidity Underwater Image Quality Assessment Method. , 2016, , .		3
83	Easy-disassembly bonding of PDMS used for leak-tight encapsulation of microfluidic devices. , 2017, , .		3
84	Active contour model-based segmentation algorithm for medical robots recognition. Multimedia Tools and Applications, 2018, 77, 10485-10500.	2.6	3
85	Guided local laplacian filter-based image enhancement for deep-sea sensor networks. Multimedia Tools and Applications, 2018, 77, 10823-10834.	2.6	3
86	A Low-Rank Tensor Model for Hyperspectral Image Sparse Noise Removal. IEEE Access, 2018, 6, 62120-62127.	2.6	3
87	BrainNets: Human Emotion Recognition Using an Internet of Brian Things Platform. , 2018, , .		3
88	Secure face retrieval for group mobile users. Soft Computing, 2019, 23, 12813-12820.	2.1	3
89	Maximum Local Energy Based Multifocus Image Fusion in Mirror Extended Curvelet Transform Domain. , 2012, , .		2
90	Multiframe Medical Images Enhancement on Dual Tree Complex Wavelet Transform Domain. , 2013, , .		2

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91	An improved criminisi algorithm-based image repair algorithm. , 2015, , .		2
92	Real-Time Underwater Image Contrast Enhancement Through Guided Filtering. Lecture Notes in Computer Science, 2015, , 137-147.	1.0	2
93	Evaluation of Local Features for Structure from Motion. Multimedia Tools and Applications, 2018, 77, 10979-10993.	2.6	2
94	Touch switch sensor for cognitive body sensor networks. Computer Communications, 2019, 146, 32-38.	3.1	2
95	Improved Image Enhancement Method Based on Retinex Algorithm. Studies in Computational Intelligence, 2020, , 291-299.	0.7	2
96	Viscoelasticity and Solution Stability of Cyanoethylcellulose with Different Molecular Weights in Aqueous Solution. Molecules, 2021, 26, 3201.	1.7	2
97	Merging Grid Maps in Diverse Resolutions by the Context-based Descriptor. ACM Transactions on Internet Technology, 2021, 21, 1-21.	3.0	2
98	Virtual Reality Aided High-Quality 3D Reconstruction by Remote Drones. ACM Transactions on Internet Technology, 2022, 22, 1-20.	3.0	2
99	Weakly-Supervised Semantic Segmentation Network With Iterative dCRF. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25419-25426.	4.7	2
100	A Novel Deep-Sea Image Enhancement Method. , 2014, , .		1
101	Underwater Image Devignetting and Colour Correction. Lecture Notes in Computer Science, 2015, , 510-521.	1.0	1
102	Underwater Observing System for Taiping Floodgate in Taiping River of Yangzhou. , 2016, , .		1
103	Anti-lost Luggage Reminder System Using Electrically Conductive Fiber Antenna Tag. , 2016, , .		1
104	A Mobile Computing Method Using CNN and SR for Signature Authentication with Contour Damage and Light Distortion. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	1
105	Underwater image segmentation based on fast level set method. International Journal of Computational Science and Engineering, 2019, 19, 562.	0.4	1
106	Current Trends and Prospects of Underwater Image Processing. Studies in Computational Intelligence, 2018, , 223-228.	0.7	1
107	Image Segmentation With Language Referring Expression and Comprehension. IEEE Sensors Journal, 2022, 22, 17406-17413.	2.4	1
108	Robust color image segmentation method based on weighting Fuzzy C-Means Clustering. , 2012, , .		0

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109	Proposal of a multi-frame images fusion model on dual tree complex wavelet transform domain. , 2013, , .		0
110	An Implementation of Document Image Reconstruction System on a Smart Device Using a 1D Histogram Calibration Algorithm. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	0
111	An Implementation of Document Image Reconstruction System on Smart Device. , 2014, , .		0
112	A Fast Level Set Model for Intensity Inhomogeneity Correction in eHealth Analysis System. , 2015, , .		0
113	Image restoration method for deep-sea tripod observation systems in the South China Sea. , 2015, , .		0
114	Using near infrared light for deep sea mining observation systems. , 2015, , .		0
115	Two dimensional colloidal crystals formed by particle self-assembly due to hydrodynamic interaction. Colloid and Polymer Science, 2015, 293, 2575-2583.	1.0	0
116	Reconstruction of spatial continuous distribution using improved Lohmann-Type CGHs. , 2016, , .		0
117	Immiscible Two-Phase Parallel Microflow and Its Applications in Fabricating Micro- and Nanomaterials. , 2021, , 200-224.		0
118	Immiscible Two-Phase Parallel Microflow and Its Applications in Fabricating Micro- and Nanomaterials. Advances in Chemical and Materials Engineering Book Series, 2019, , 136-166.	0.2	0
119	DeepEye: A Dedicated Camera for Deep-Sea Tripod Observation Systems. Studies in Computational Intelligence, 2020, , 507-511.	0.7	0
120	Semantic-Aligned Attention With Refining Feature Embedding for Few-Shot Image Classification. IEEE Transactions on Intelligent Transportation Systems, 2021, , 1-11.	4.7	0
121	Secondary optical design of LED lamps with high CRI and adjustable CCT. , 2014, , .		0