

# Junyu Dong

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

218  
papers

2,751  
citations

26  
h-index

45  
g-index

288  
ext. papers

3,888  
ext. citations

4.1  
avg. IF

5.99  
L-index

#	Paper	IF	Citations
218	Prediction of Sea Surface Temperature Using Long Short-Term Memory. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 1745-1749	4.1	149
217	Underwater image enhancement via extended multi-scale Retinex. <i>Neurocomputing</i> , <b>2017</b> , 245, 1-9	5.4	126
216	Visual-Patch-Attention-Aware Saliency Detection. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 1575-86	10.2	125
215	Automatic Change Detection in Synthetic Aperture Radar Images Based on PCANet. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2016</b> , 13, 1792-1796	4.1	125
214	An improved NSGA-III algorithm with adaptive mutation operator for Big Data optimization problems. <i>Future Generation Computer Systems</i> , <b>2018</b> , 88, 571-585	7.5	96
213	Behavior of crossover operators in NSGA-III for large-scale optimization problems. <i>Information Sciences</i> , <b>2020</b> , 509, 470-487	7.7	93
212	A CFCC-LSTM Model for Sea Surface Temperature Prediction. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2018</b> , 15, 207-211	4.1	88
211	Human fall detection in surveillance video based on PCANet. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 11603-11613	2.5	73
210	Sea Ice Change Detection in SAR Images Based on Convolutional-Wavelet Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 1240-1244	4.1	66
209	Enhancing MOEA/D with information feedback models for large-scale many-objective optimization. <i>Information Sciences</i> , <b>2020</b> , 522, 1-16	7.7	65
208	Change detection from synthetic aperture radar images based on neighborhood-based ratio and extreme learning machine. <i>Journal of Applied Remote Sensing</i> , <b>2016</b> , 10, 046019	1.4	58
207	A hybrid spatio-temporal model for detection and severity rating of Parkinson's disease from gait data. <i>Neurocomputing</i> , <b>2018</b> , 315, 1-8	5.4	53
206	Integrating QDWD with pattern distinctness and local contrast for underwater saliency detection. <i>Journal of Visual Communication and Image Representation</i> , <b>2018</b> , 53, 31-41	2.7	51
205	Facial-feature detection and localization based on a hierarchical scheme. <i>Information Sciences</i> , <b>2014</b> , 262, 1-14	7.7	49
204	Opposition-based learning monarch butterfly optimization with Gaussian perturbation for large-scale 0-1 knapsack problem. <i>Computers and Electrical Engineering</i> , <b>2018</b> , 67, 454-468	4.3	45
203	A novel face-hallucination scheme based on singular value decomposition. <i>Pattern Recognition</i> , <b>2013</b> , 46, 3091-3102	7.7	41
202	Learning and Transferring Convolutional Neural Network Knowledge to Ocean Front Recognition. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 354-358	4.1	36

201	Dual channel LSTM based multi-feature extraction in gait for diagnosis of Neurodegenerative diseases. <i>Knowledge-Based Systems</i> , <b>2018</b> , 145, 91-97	7.3	35
200	Illumination-insensitive texture discrimination based on illumination compensation and enhancement. <i>Information Sciences</i> , <b>2014</b> , 269, 60-72	7.7	35
199	Spectral and Spatial Classification of Hyperspectral Images Based on Random Multi-Graphs. <i>Remote Sensing</i> , <b>2018</b> , 10, 1271	5	34
198	Transferred Deep Learning for Sea Ice Change Detection From Synthetic-Aperture Radar Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 1655-1659	4.1	33
197	Image retrieval using wavelet-based salient regions. <i>Imaging Science Journal</i> , <b>2011</b> , 59, 219-231	0.9	32
196	Change Detection From Synthetic Aperture Radar Images Based on Channel Weighting-Based Deep Cascade Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 4517-4529	4.7	31
195	The extended marine underwater environment database and baseline evaluations. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 80, 425-437	7.5	30
194	Inpainting of Remote Sensing SST Images With Deep Convolutional Generative Adversarial Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 173-177	4.1	30
193	Capture and Synthesis of 3D Surface Texture. <i>International Journal of Computer Vision</i> , <b>2005</b> , 62, 177-194	10.6	26
192	Deep pixel-to-pixel network for underwater image enhancement and restoration. <i>IET Image Processing</i> , <b>2019</b> , 13, 469-474	1.7	24
191	The joint effect of mesoscale and microscale roughness on perceived gloss. <i>Vision Research</i> , <b>2015</b> , 115, 209-17	2.1	24
190	Reducing and Stretching Deep Convolutional Activation Features for Accurate Image Classification. <i>Cognitive Computation</i> , <b>2018</b> , 10, 179-186	4.4	24
189	Automatic evaluation of the degree of facial nerve paralysis. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 11893-11908	2.5	23
188	Few-Shot Learning for Domain-Specific Fine-Grained Image Classification. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3588-3598	8.9	23
187	Encoding Spectral and Spatial Context Information for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 2250-2254	4.1	22
186	Saliency detection using quaternionic distance based weber local descriptor and level priors. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 14343-14360	2.5	21
185	Adaptive DropBlock-Enhanced Generative Adversarial Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 5040-5053	8.1	21
184	Content-based image retrieval via a hierarchical-local-feature extraction scheme. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 29099-29117	2.5	21

183	The OUC-vision large-scale underwater image database <b>2017</b> ,		20
182	Perceptual Underwater Image Enhancement With Deep Learning and Physical Priors. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 3078-3092	6.4	20
181	Comprehensive assessment of non-uniform illumination for 3D heightmap reconstruction in outdoor environments. <i>Computers in Industry</i> , <b>2018</b> , 99, 110-118	11.6	19
180	Segmentation of Lung Nodule in CT Images Based on Mask R-CNN <b>2018</b> ,		19
179	SAR Image Change Detection Based on Multiscale Capsule Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 18, 484-488	4.1	17
178	Accurate <i>Ulva prolifera</i> regions extraction of UAV images with superpixel and CNNs for ocean environment monitoring. <i>Neurocomputing</i> , <b>2019</b> , 348, 158-168	5.4	16
177	Fish recognition from low-resolution underwater images <b>2016</b> ,		15
176	Banzhaf random forests: Cooperative game theory based random forests with consistency. <i>Neural Networks</i> , <b>2018</b> , 106, 20-29	9.1	15
175	Automatic recognition of facial movement for paralyzed face. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 2751-60	1	14
174	Visual perception of procedural textures: identifying perceptual dimensions and predicting generation models. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130335	3.7	14
173	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 970-979	6.6	14
172	Visual saliency detection by integrating spatial position prior of object with background cues. <i>Expert Systems With Applications</i> , <b>2021</b> , 168, 114219	7.8	14
171	Fast 3D face reconstruction based on uncalibrated photometric stereo. <i>Multimedia Tools and Applications</i> , <b>2015</b> , 74, 3635-3650	2.5	13
170	Ocean Front Detection From Instant Remote Sensing SST Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2016</b> , 13, 1960-1964	4.1	13
169	Underwater image colour constancy based on DSNMF. <i>IET Image Processing</i> , <b>2017</b> , 11, 38-43	1.7	13
168	Region Based Parallel Hierarchy Convolutional Neural Network for Automatic Facial Nerve Paralysis Evaluation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 2325-2332	4.8	13
167	Saliency detection based on background seeds by object proposals and extended random walk. <i>Journal of Visual Communication and Image Representation</i> , <b>2018</b> , 57, 202-211	2.7	13
166	Why do rough surfaces appear glossy?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2014</b> , 31, 935-43	1.8	12

165	A dual-cue network for multispectral photometric stereo. <i>Pattern Recognition</i> , <b>2020</b> , 100, 107162	7.7	12
164	Change Detection in Synthetic Aperture Radar Images Using a Dual-Domain Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	12
163	Marginal Deep Architecture: Stacking Feature Learning Modules to Build Deep Learning Models. <i>IEEE Access</i> , <b>2019</b> , 7, 30220-30233	3.5	11
162	Deep hashing learning networks <b>2016</b> ,		11
161	FSAM: A fast self-adaptive method for correcting non-uniform illumination for 3D reconstruction. <i>Computers in Industry</i> , <b>2013</b> , 64, 1229-1236	11.6	11
160	Random Multi-Graphs: A semi-supervised learning framework for classification of high dimensional data. <i>Image and Vision Computing</i> , <b>2017</b> , 60, 30-37	3.7	11
159	Underwater object detection using Invert Multi-Class Adaboost with deep learning <b>2020</b> ,		11
158	Cooperative Profit Random Forests With Application in Ocean Front Recognition. <i>IEEE Access</i> , <b>2017</b> , 5, 1398-1408	3.5	10
157	Stretching deep architectures for text recognition <b>2015</b> ,		10
156	Capture and fusion of 3d surface texture. <i>Multimedia Tools and Applications</i> , <b>2011</b> , 53, 237-251	2.5	10
155	Developing a microscopic image dataset in support of intelligent phytoplankton detection using deep learning. <i>ICES Journal of Marine Science</i> , <b>2020</b> , 77, 1427-1439	2.7	10
154	Graph-Based CNNs With Self-Supervised Module for 3D Hand Pose Estimation From Monocular RGB. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1514-1525	6.4	10
153	Underwater image processing and analysis: A review. <i>Signal Processing: Image Communication</i> , <b>2021</b> , 91, 116088	2.8	10
152	GPNet: Gated pyramid network for semantic segmentation. <i>Pattern Recognition</i> , <b>2021</b> , 115, 107940	7.7	10
151	A Deep Framework for Eddy Detection and Tracking From Satellite Sea Surface Height Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 7224-7234	8.1	10
150	DLEA: A dynamic learning evolution algorithm for many-objective optimization. <i>Information Sciences</i> , <b>2021</b> , 574, 567-589	7.7	10
149	An Evaluation of Deep Learning in Loop Closure Detection for Visual SLAM <b>2017</b> ,		9
148	Wavelet-Based Salient Regions and their Spatial Distribution for Image Retrieval <b>2007</b> ,		9

147	Image Fusion Based on Wavelet Transform <b>2007</b> ,		9
146	A survey on visual analysis of ocean data. <i>Visual Informatics</i> , <b>2019</b> , 3, 113-128	2.8	8
145	Demultiplexing Colored Images for Multispectral Photometric Stereo via Deep Neural Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 30804-30818	3.5	8
144	Three-Dimensional Reconstruction from Single Image Base on Combination of CNN and Multi-Spectral Photometric Stereo. <i>Sensors</i> , <b>2018</b> , 18,	3.8	8
143	Deviation correction method for close-range photometric stereo with nonuniform illumination. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	8
142	Refractive laser triangulation and photometric stereo in underwater environment. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	8
141	Learning Deep Relations to Promote Saliency Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2020</b> , 34, 10510-10517	5	8
140	MPS-Net: Learning to recover surface normal for multispectral photometric stereo. <i>Neurocomputing</i> , <b>2020</b> , 375, 62-70	5.4	8
139	Parallel Complement Network for Real-Time Semantic Segmentation of Road Scenes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-13	6.1	8
138	Recovering Surface Normal and Arbitrary Images: A Dual Regression Network for Photometric Stereo. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 3676-3690	8.7	8
137	The Visual Word Booster: A Spatial Layout of Words Descriptor Exploiting Contour Cues. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	8
136	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4777-4787	8.9	7
135	Exploring ubiquitous relations for boosting classification and localization. <i>Knowledge-Based Systems</i> , <b>2020</b> , 196, 105824	7.3	7
134	Dense 3D facial reconstruction from a single depth image in unconstrained environment. <i>Virtual Reality</i> , <b>2018</b> , 22, 37-46	6	7
133	Visual Texture Perception with Feature Learning Models and Deep Architectures. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 401-410	0.3	7
132	Texture Classification Using Pair-wise Difference Pooling Based Bilinear Convolutional Neural Networks. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	7
131	Saliency detection using quaternionic distance based weber descriptor and object cues <b>2016</b> ,		7
130	A procedural texture generation framework based on semantic descriptions. <i>Knowledge-Based Systems</i> , <b>2019</b> , 163, 898-906	7.3	7

129	Hybrid regression and isophote curvature for accurate eye center localization. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 805-824	2.5	7
128	Incorporating Lambertian Priors Into Surface Normals Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13	5.2	7
127	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	7
126	Multimodal Gait Recognition for Neurodegenerative Diseases. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	7
125	Specular reflection removal of ocean surface remote sensing images from UAVs. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 11363-11379	2.5	6
124	Monocular visual-IMU odometry using multi-channel image patch exemplars. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 11975-12003	2.5	6
123	An Approach for Quantitative Evaluation of the Degree of Facial Paralysis Based on Salient Point Detection <b>2008</b> ,		6
122	Self-similarity based editing of 3D surface textures using height and albedo maps. <i>Journal of Ocean University of China</i> , <b>2007</b> , 6, 209-212	1	6
121	Combining Color, Texture and Region with Objects of User's Interest for Content-Based Image Retrieval <b>2007</b> ,		6
120	Capture and Synthesis of 3D Surface Texture. <i>International Journal of Computer Vision</i> , <b>2005</b> , 62, 177-194	10.6	6
119	Spatio-Temporal Representation Learning with Social Tie for Personalized POI Recommendation. <i>Data Science and Engineering</i> , <b>2022</b> , 7, 44	3.6	6
118	Application of deep convolutional neural networks for ocean front recognition. <i>Journal of Applied Remote Sensing</i> , <b>2017</b> , 11, 1	1.4	6
117	Highlight Every Step: Knowledge Distillation via Collaborative Teaching. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	6
116	Monocular Visual-IMU Odometry: A Comparative Evaluation of DetectorDescriptor-Based Methods. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 2471-2484	6.1	6
115	Dynamic long short-term memory network for skeleton-based gait recognition <b>2017</b> ,		5
114	Natural image illuminant estimation via deep non-negative matrix factorisation. <i>IET Image Processing</i> , <b>2018</b> , 12, 121-125	1.7	5
113	Automatic Facial Paralysis Evaluation Augmented by a Cascaded Encoder Network Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 135621-135631	3.5	5
112	New Texture Features Based on Wavelet Transform Coinciding with Human Visual Perception <b>2007</b> ,		5

111	Pay Attention to Devils: A Photometric Stereo Network for Better Details <b>2020</b> ,		5
110	Learning conditional photometric stereo with high-resolution features. <i>Computational Visual Media</i> , <b>2022</b> , 8, 105-118	3.9	5
109	Distilling Ordinal Relation and Dark Knowledge for Facial Age Estimation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3108-3121	10.3	5
108	Improved NSGA-III with Second-Order Difference Random Strategy for Dynamic Multi-Objective Optimization. <i>Processes</i> , <b>2021</b> , 9, 911	2.9	5
107	A Multiscale Deep Framework for Ocean Fronts Detection and Fine-Grained Location. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 178-182	4.1	5
106	Perceptual Texture Similarity Estimation: An Evaluation of Computational Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , 43, 2429-2448	13.3	5
105	Local and Global Perception Generative Adversarial Network for Facial Expression Synthesis. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	5
104	Marine Animal Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	5
103	Cascade Regression-Based Face Frontalization for Dynamic Facial Expression Analysis. <i>Cognitive Computation</i> , 1	4.4	5
102	Random Shapley Forests: Cooperative Game-Based Random Forests With Consistency. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	4
101	Perception-driven procedural texture generation from examples. <i>Neurocomputing</i> , <b>2018</b> , 291, 21-34	5.4	4
100	RECOVERY OF NONRIGID STRUCTURES FROM 2D OBSERVATIONS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2008</b> , 22, 279-294	1.1	4
99	Conversions between three methods for representing 3D surface textures under arbitrary illumination directions. <i>Image and Vision Computing</i> , <b>2008</b> , 26, 1561-1573	3.7	4
98	A Fast Image Rotation Algorithm for Optical Character Recognition of Chinese Documents <b>2006</b> ,		4
97	A Simple Method for Chinese License Plate Recognition Based on Support Vector Machine <b>2006</b> ,		4
96	Change Detection from Synthetic Aperture Radar Images via Graph-Based Knowledge Supplement Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2022</b> , 1-1	4.7	4
95	SSCU-Net: Spatial-Spectral Collaborative Unmixing Network for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 1-1	8.1	4
94	Dynamic Representation Learning for Large-Scale Attributed Networks <b>2020</b> ,		4



93	Synthetic Aperture Radar Image Change Detection via Siamese Adaptive Fusion Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 10748-10760	4.7	4
92	Reconstruction of normal and albedo of convex Lambertian objects by solving ambiguity matrices using SVD and optimization method. <i>Neurocomputing</i> , <b>2016</b> , 207, 95-104	5.4	4
91	A Fast Internal Wave Detection Method Based on PCANet for Ocean Monitoring. <i>Journal of Intelligent Systems</i> , <b>2019</b> , 28, 103-113	1.5	4
90	Gaussian Dynamic Convolution for Efficient Single-Image Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	4
89	Visual exploration of tsunami evacuation planning. <i>Journal of Visualization</i> , <b>2016</b> , 19, 475-487	1.6	3
88	Automatic Reconstruction of Dense 3D Face Point Cloud with a Single Depth Image <b>2015</b> ,		3
87	<b>2009</b> ,		3
86	Hole Filling on Three-Dimensional Surface Texture <b>2007</b> ,		3
85	Fast Attributed Multiplex Heterogeneous Network Embedding <b>2020</b> ,		3
84	Is DeCAF Good Enough for Accurate Image Classification?. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 354-363	3.6	3
83	Fusing attributed and topological global-relations for network embedding. <i>Information Sciences</i> , <b>2021</b> , 558, 76-90	7.7	3
82	Maximizing profit of multiple adoptions in social networks with a martingale approach. <i>Journal of Combinatorial Optimization</i> , <b>2019</b> , 38, 1-20	0.9	3
81	Augmented visual feature modeling for matching in low-visibility based on cycle-labeling of Superpixel Flow. <i>Knowledge-Based Systems</i> , <b>2020</b> , 195, 105699	7.3	3
80	SDM-Based Means of Gradient for Eye Center Localization <b>2018</b> ,		3
79	Surface height map estimation from a single image using convolutional neural networks <b>2017</b> ,		2
78	Trinocular vision system based on cameras with tilt-shift lens. <i>Journal of Optics (India)</i> , <b>2019</b> , 48, 43-48	1.3	2
77	A proposed framework for improved software requirements elicitation process in SCRUM: Implementation by a real-life Norway-based IT project. <i>Journal of Software: Evolution and Process</i> , <b>2020</b> , 32, e2247	1	2
76	Perception driven texture generation <b>2017</b> ,		2

75	Relative Flow Estimates for Shot Boundary Detection. <i>Pattern Recognition and Image Analysis</i> , <b>2018</b> , 28, 53-58	1	2
74	Abnormal behavior detection for harbour operator safety under complex video surveillance scenes <b>2017</b> ,		2
73	Texture synthesis based on multiple seed-blocks and support vector machines <b>2010</b> ,		2
72	A System for Detecting Sea Oil Leak Based on Video Surveillance <b>2011</b> ,		2
71	Removing shadows from a single real-world color image <b>2009</b> ,		2
70	3D Surface Texture Synthesis Based on Wavelet Transform <b>2008</b> ,		2
69	Removing Color Stain on Vehicle License Plates Based on Photometric Stereo and a Hole-Filling Algorithm <b>2008</b> ,		2
68	An Efficient Algorithm for Ocean-Front Evolution Trend Recognition. <i>Remote Sensing</i> , <b>2022</b> , 14, 259	5	2
67	Two-stage deep regression enhanced depth estimation from a single RGB image. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2020</b> , 1-1	4.1	2
66	An RFID Tag Localization Method Based on Hologram Mask and Discrete Cosine Transform. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 1-1	5.2	2
65	Self-attention neural architecture search for semantic image segmentation. <i>Knowledge-Based Systems</i> , <b>2022</b> , 239, 107968	7.3	2
64	Learning Photometric Stereo via Manifold-based Mapping <b>2020</b> ,		2
63	Segmentation of Chinese Postal Envelope Images for Address Block Location. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 558-567	0.9	2
62	Learning perceptual texture similarity and relative attributes from computational features <b>2016</b> ,		2
61	Linearly augmented real-time 4D expressional face capture. <i>Information Sciences</i> , <b>2021</b> , 545, 331-343	7.7	2
60	Underwater Optical 3-D Reconstruction of Photometric Stereo Considering Light Refraction and Attenuation. <i>IEEE Journal of Oceanic Engineering</i> , <b>2021</b> , 1-13	3.3	2
59	Dynamic 3D Surface Reconstruction Using a Hand-Held Camera <b>2018</b> ,		2
58	Change Detection from Synthetic Aperture Radar Images via Dual Path Denoising Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2022</b> , 1-1	4.7	2

57	A joint guidance-enhanced perceptual encoder and atrous separable pyramid-convolutions for image inpainting. <i>Neurocomputing</i> , <b>2020</b> , 396, 1-12	5.4	1
56	Feature matching for underwater image via superpixel tracking <b>2017</b> ,		1
55	Accurate segmentation of <i>Ulva prolifera</i> regions with superpixel and CNNs <b>2017</b> ,		1
54	The Importance of Phase to Texture Similarity <b>2017</b> ,		1
53	Perceptual texture similarity learning using deep neural networks <b>2017</b> ,		1
52	A novel underwater de-scattering method based on sparse non-negative matrix factorization <b>2017</b> ,		1
51	Hierarchical mesh deformation with shape preservation. <i>Computer Animation and Virtual Worlds</i> , <b>2014</b> , 25, 411-420	0.9	1
50	Illumination Estimation of 3D Surface Texture Based on Active Basis <b>2010</b> ,		1
49	Recovering discontinuous surfaces with photometric stereo and laser sectioning. <i>Optical Engineering</i> , <b>2011</b> , 50, 053605	1.1	1
48	Dynamic textures indexing and retrieval based on intrinsic properties <b>2012</b> ,		1
47	Fast Texture Synthesis Using Wavelet Coefficient Fitting <b>2008</b> ,		1
46	Self-Similarity Based Classification of 3D Surface Textures <b>2008</b> ,		1
45	Illumination-Invariant Texture Classification Based on Self-Similarity and Gabor Wavelet <b>2008</b> ,		1
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34	Change Detection in Synthetic Aperture Radar Images based on Convolutional Block Attention Module <b>2019</b> ,		1
33	MARS: parallelism-based metrically accurate 3D reconstruction system in real-time. <i>Journal of Real-Time Image Processing</i> , <b>2021</b> , 18, 393-405	1.9	1
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