Junyu Dong

List of Publications by Year
in descending order

285 papers	5,260 citations	109264 35 h-index	123376 61 g-index
288 all docs	288 docs citations	288 times ranked	3593 citing authors

#	Article	IF	Citations
1	Prediction of Sea Surface Temperature Using Long Short-Term Memory. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1745-1749.	1.4	272
2	Underwater image enhancement via extended multi-scale Retinex. Neurocomputing, 2017, 245, 1-9.	3.5	249
3	Automatic Change Detection in Synthetic Aperture Radar Images Based on PCANet. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1792-1796.	1.4	191
4	A CFCC-LSTM Model for Sea Surface Temperature Prediction. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 207-211.	1.4	165
5	An improved NSGA-III algorithm with adaptive mutation operator for Big Data optimization problems. Future Generation Computer Systems, 2018, 88, 571-585.	4.9	160
6	Behavior of crossover operators in NSGA-III for large-scale optimization problems. Information Sciences, 2020, 509, 470-487.	4.0	151
7	Visual-Patch-Attention-Aware Saliency Detection. IEEE Transactions on Cybernetics, 2015, 45, 1575-1586.	6.2	149
8	Sea Ice Change Detection in SAR Images Based on Convolutional-Wavelet Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1240-1244.	1.4	132
9	Enhancing MOEA/D with information feedback models for large-scale many-objective optimization. Information Sciences, 2020, 522, 1-16.	4.0	127
10	Human fall detection in surveillance video based on PCANet. Multimedia Tools and Applications, 2016, 75, 11603-11613.	2.6	103
11	A hybrid spatio-temporal model for detection and severity rating of Parkinson's disease from gait data. Neurocomputing, 2018, 315, 1-8.	3.5	100
12	Change detection from synthetic aperture radar images based on neighborhood-based ratio and extreme learning machine. Journal of Applied Remote Sensing, 2016, 10, 046019.	0.6	98
13	Integrating QDWD with pattern distinctness and local contrast for underwater saliency detection. Journal of Visual Communication and Image Representation, 2018, 53, 31-41.	1.7	80
14	Underwater image processing and analysis: A review. Signal Processing: Image Communication, 2021, 91, 116088.	1.8	77
15	Perceptual Underwater Image Enhancement With Deep Learning and Physical Priors. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3078-3092.	5.6	73
16	Dual channel LSTM based multi-feature extraction in gait for diagnosis of Neurodegenerative diseases. Knowledge-Based Systems, 2018, 145, 91-97.	4.0	64
17	Facial-feature detection and localization based on a hierarchical scheme. Information Sciences, 2014, 262, 1-14.	4.0	62
18	Opposition-based learning monarch butterfly optimization with Gaussian perturbation for large-scale 0-1 knapsack problem. Computers and Electrical Engineering, 2018, 67, 454-468.	3.0	58

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19	Transferred Deep Learning for Sea Ice Change Detection From Synthetic-Aperture Radar Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1655-1659.	1.4	58
20	Learning and Transferring Convolutional Neural Network Knowledge to Ocean Front Recognition. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 354-358.	1.4	57
21	Inpainting of Remote Sensing SST Images With Deep Convolutional Generative Adversarial Network. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 173-177.	1.4	57
22	Deep pixelâ€ŧoâ€pixel network for underwater image enhancement and restoration. IET Image Processing, 2019, 13, 469-474.	1.4	55
23	Adaptive DropBlock-Enhanced Generative Adversarial Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5040-5053.	2.7	54
24	Change Detection From Synthetic Aperture Radar Images Based on Channel Weighting-Based Deep Cascade Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4517-4529.	2.3	53
25	A novel face-hallucination scheme based on singular value decomposition. Pattern Recognition, 2013, 46, 3091-3102.	5.1	51
26	The extended marine underwater environment database and baseline evaluations. Applied Soft Computing Journal, 2019, 80, 425-437.	4.1	50
27	Spectral and Spatial Classification of Hyperspectral Images Based on Random Multi-Graphs. Remote Sensing, 2018, 10, 1271.	1.8	47
28	Automatic evaluation of the degree of facial nerve paralysis. Multimedia Tools and Applications, 2016, 75, 11893-11908.	2.6	46
29	SAR Image Change Detection Based on Multiscale Capsule Network. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 484-488.	1.4	46
30	Few-Shot Learning for Domain-Specific Fine-Grained Image Classification. IEEE Transactions on Industrial Electronics, 2021, 68, 3588-3598.	5.2	45
31	Capture and Synthesis of 3D Surface Texture. International Journal of Computer Vision, 2005, 62, 177-194.	10.9	44
32	Visual saliency detection by integrating spatial position prior of object with background cues. Expert Systems With Applications, 2021, 168, 114219.	4.4	44
33	Illumination-insensitive texture discrimination based on illumination compensation and enhancement. Information Sciences, 2014, 269, 60-72.	4.0	40
34	Image retrieval using wavelet-based salient regions. Imaging Science Journal, 2011, 59, 219-231.	0.2	38
35	Segmentation of Lung Nodule in CT Images Based on Mask R-CNN. , 2018, , .		38
36	Underwater object detection using Invert Multi-Class Adaboost with deep learning. , 2020, , .		38

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37	The joint effect of mesoscale and microscale roughness on perceived gloss. Vision Research, 2015, 115, 209-217.	0.7	37
38	Recovering Surface Normal and Arbitrary Images: A Dual Regression Network for Photometric Stereo. IEEE Transactions on Image Processing, 2021, 30, 3676-3690.	6.0	36
39	Banzhaf random forests: Cooperative game theory based random forests with consistency. Neural Networks, 2018, 106, 20-29.	3.3	35
40	Learning the Traditional Art of Chinese Calligraphy via Three-Dimensional Reconstruction and Assessment. IEEE Transactions on Multimedia, 2020, 22, 970-979.	5.2	35
41	Region Based Parallel Hierarchy Convolutional Neural Network for Automatic Facial Nerve Paralysis Evaluation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2325-2332.	2.7	35
42	GPNet: Gated pyramid network for semantic segmentation. Pattern Recognition, 2021, 115, 107940.	5.1	34
43	DLEA: A dynamic learning evolution algorithm for many-objective optimization. Information Sciences, 2021, 574, 567-589.	4.0	34
44	The OUC-vision large-scale underwater image database. , 2017, , .		31
45	Reducing and Stretching Deep Convolutional Activation Features for Accurate Image Classification. Cognitive Computation, 2018, 10, 179-186.	3.6	31
46	Content-based image retrieval via a hierarchical-local-feature extraction scheme. Multimedia Tools and Applications, 2018, 77, 29099-29117.	2.6	30
47	Multimodal Gait Recognition for Neurodegenerative Diseases. IEEE Transactions on Cybernetics, 2022, 52, 9439-9453.	6.2	30
48	Change Detection in Synthetic Aperture Radar Images Using a Dual-Domain Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	30
49	Change Detection From Synthetic Aperture Radar Images via Graph-Based Knowledge Supplement Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1823-1836.	2.3	29
50	Accurate Ulva prolifera regions extraction of UAV images with superpixel and CNNs for ocean environment monitoring. Neurocomputing, 2019, 348, 158-168.	3.5	28
51	Encoding Spectral and Spatial Context Information for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2250-2254.	1.4	27
52	Developing a microscopic image dataset in support of intelligent phytoplankton detection using deep learning. ICES Journal of Marine Science, 2020, 77, 1427-1439.	1.2	27
53	A Deep Framework for Eddy Detection and Tracking From Satellite Sea Surface Height Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7224-7234.	2.7	27
54	Self-attention neural architecture search for semantic image segmentation. Knowledge-Based Systems, 2022, 239, 107968.	4.0	27

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55	Spatio-Temporal Representation Learning with Social Tie for Personalized POI Recommendation. Data Science and Engineering, 2022, 7, 44-56.	4.6	27
56	Saliency detection using quaternionic distance based weber local descriptor and level priors. Multimedia Tools and Applications, 2018, 77, 14343-14360.	2.6	26
57	Incorporating Lambertian Priors Into Surface Normals Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	26
58	Fish recognition from low-resolution underwater images. , 2016, , .		25
59	Local and Global Perception Generative Adversarial Network for Facial Expression Synthesis. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1443-1452.	5.6	25
60	An Evaluation of Deep Learning in Loop Closure Detection for Visual SLAM. , 2017, , .		24
61	Highlight Every Step: Knowledge Distillation via Collaborative Teaching. IEEE Transactions on Cybernetics, 2022, 52, 2070-2081.	6.2	24
62	Comprehensive assessment of non-uniform illumination for 3D heightmap reconstruction in outdoor environments. Computers in Industry, 2018, 99, 110-118.	5.7	23
63	Random Shapley Forests: Cooperative Game-Based Random Forests With Consistency. IEEE Transactions on Cybernetics, 2022, 52, 205-214.	6.2	23
64	Graph-Based CNNs With Self-Supervised Module for 3D Hand Pose Estimation From Monocular RGB. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1514-1525.	5.6	23
65	Parallel Complement Network for Real-Time Semantic Segmentation of Road Scenes. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4432-4444.	4.7	23
66	Visual Perception of Procedural Textures: Identifying Perceptual Dimensions and Predicting Generation Models. PLoS ONE, 2015, 10, e0130335.	1.1	23
67	Associated Spatio-Temporal Capsule Network for Gait Recognition. IEEE Transactions on Multimedia, 2022, 24, 846-860.	5.2	22
68	Gaussian Dynamic Convolution for Efficient Single-Image Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2937-2948.	5.6	21
69	Distilling Ordinal Relation and Dark Knowledge for Facial Age Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3108-3121.	7.2	20
70	Pay Attention to Devils: A Photometric Stereo Network for Better Details. , 2020, , .		20
71	Learning conditional photometric stereo with high-resolution features. Computational Visual Media, 2022, 8, 105-118.	10.8	19
72	Automatic recognition of facial movement for paralyzed face. Bio-Medical Materials and Engineering, 2014, 24, 2751-2760.	0.4	18

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73	Fast 3D face reconstruction based on uncalibrated photometric stereo. Multimedia Tools and Applications, 2015, 74, 3635-3650.	2.6	18
74	A survey on visual analysis of ocean data. Visual Informatics, 2019, 3, 113-128.	2.5	18
75	Deviation correction method for close-range photometric stereo with nonuniform illumination. Optical Engineering, 2017, 56, 1.	0.5	18
76	Synthetic Aperture Radar Image Change Detection via Siamese Adaptive Fusion Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10748-10760.	2.3	18
77	Deep hashing learning networks. , 2016, , .		17
78	Random Multi-Graphs: A semi-supervised learning framework for classification of high dimensional data. Image and Vision Computing, 2017, 60, 30-37.	2.7	17
79	Underwater image colour constancy based on DSNMF. IET Image Processing, 2017, 11, 38-43.	1.4	17
80	A dual-cue network for multispectral photometric stereo. Pattern Recognition, 2020, 100, 107162.	5.1	17
81	Image Fusion Based on Wavelet Transform. , 2007, , .		16
82	Why do rough surfaces appear glossy?. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 935.	0.8	16
83	Ocean Front Detection From Instant Remote Sensing SST Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1960-1964.	1.4	16
84	MPS-Net: Learning to recover surface normal for multispectral photometric stereo. Neurocomputing, 2020, 375, 62-70.	3.5	16
85	A proposed framework for improved software requirements elicitation process in SCRUM: Implementation by a real‐life Norway‐based IT project. Journal of Software: Evolution and Process, 2020, 32, e2247.	1.2	16
86	Refractive laser triangulation and photometric stereo in underwater environment. Optical Engineering, 2017, 56, 1.	0.5	16
87	Capture and Synthesis of 3D Surface Texture. International Journal of Computer Vision, 2005, 62, 177-194.	10.9	15
88	Cooperative Profit Random Forests With Application in Ocean Front Recognition. IEEE Access, 2017, 5, 1398-1408.	2.6	15
89	Saliency detection based on background seeds by object proposals and extended random walk. Journal of Visual Communication and Image Representation, 2018, 57, 202-211.	1.7	15
90	Marginal Deep Architecture: Stacking Feature Learning Modules to Build Deep Learning Models. IEEE Access, 2019, 7, 30220-30233.	2.6	15

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91	Marine Animal Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2303-2314.	5.6	15
92	A deep-shallow and global–local multi-feature fusion network for photometric stereo. Image and Vision Computing, 2022, 118, 104368.	2.7	15
93	SSCU-Net: Spatial–Spectral Collaborative Unmixing Network for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	15
94	Wavelet-Based Salient Regions and their Spatial Distribution for Image Retrieval. , 2007, , .		14
95	A Multiscale Deep Framework for Ocean Fronts Detection and Fine-Grained Location. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 178-182.	1.4	14
96	FSAM: A fast self-adaptive method for correcting non-uniform illumination for 3D reconstruction. Computers in Industry, 2013, 64, 1229-1236.	5.7	13
97	Stretching deep architectures for text recognition. , 2015, , .		13
98	Automatic Facial Paralysis Evaluation Augmented by a Cascaded Encoder Network Structure. IEEE Access, 2019, 7, 135621-135631.	2.6	13
99	Texture Classification Using Pair-Wise Difference Pooling-Based Bilinear Convolutional Neural Networks. IEEE Transactions on Image Processing, 2020, 29, 8776-8790.	6.0	13
100	Fast Attributed Multiplex Heterogeneous Network Embedding. , 2020, , .		13
101	Change Detection From Synthetic Aperture Radar Images via Dual Path Denoising Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2667-2680.	2.3	13
102	An Approach for Quantitative Evaluation of the Degree of Facial Paralysis Based on Salient Point Detection. , 2008, , .		12
103	Learning-Based Texture Synthesis and Automatic Inpainting Using Support Vector Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 4777-4787.	5.2	12
104	Hybrid regression and isophote curvature for accurate eye center localization. Multimedia Tools and Applications, 2020, 79, 805-824.	2.6	12
105	Cascade Regression-Based Face Frontalization for Dynamic Facial Expression Analysis. Cognitive Computation, 2022, 14, 1571-1584.	3.6	12
106	A Simple Method for Chinese License Plate Recognition Based on Support Vector Machine. , 2006, , .		11
107	Capture and fusion of 3d surface texture. Multimedia Tools and Applications, 2011, 53, 237-251.	2.6	11
108	Dynamic long short-term memory network for skeleton-based gait recognition. , 2017, , .		11

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109	Specular reflection removal of ocean surface remote sensing images from UAVs. Multimedia Tools and Applications, 2018, 77, 11363-11379.	2.6	11
110	Demultiplexing Colored Images for Multispectral Photometric Stereo via Deep Neural Networks. IEEE Access, 2018, 6, 30804-30818.	2.6	11
111	Three-Dimensional Reconstruction from Single Image Base on Combination of CNN and Multi-Spectral Photometric Stereo. Sensors, 2018, 18, 764.	2.1	11
112	Underwater Optical 3-D Reconstruction of Photometric Stereo Considering Light Refraction and Attenuation. IEEE Journal of Oceanic Engineering, 2022, 47, 46-58.	2.1	11
113	Visual Texture Perception with Feature Learning Models and Deep Architectures. Communications in Computer and Information Science, 2014, , 401-410.	0.4	11
114	Monocular Visual-IMU Odometry: A Comparative Evaluation of Detector–Descriptor-Based Methods. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2471-2484.	4.7	10
115	Learning Deep Relations to Promote Saliency Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 10510-10517.	3.6	10
116	Perceptual Texture Similarity Estimation: An Evaluation of Computational Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2429-2448.	9.7	10
117	Improved NSGA-III with Second-Order Difference Random Strategy for Dynamic Multi-Objective Optimization. Processes, 2021, 9, 911.	1.3	10
118	Application of deep convolutional neural networks for ocean front recognition. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	10
119	A Fast Image Rotation Algorithm for Optical Character Recognition of Chinese Documents. , 2006, , .		9
120	Combining Color, Texture and Region with Objects of User's Interest for Content-Based Image Retrieval. , 2007, , .		9
121	The Visual Word Booster: A Spatial Layout of Words Descriptor Exploiting Contour Cues. IEEE Transactions on Image Processing, 2018, 27, 3904-3917.	6.0	9
122	A procedural texture generation framework based on semantic descriptions. Knowledge-Based Systems, 2019, 163, 898-906.	4.0	9
123	Fusing attributed and topological global-relations for network embedding. Information Sciences, 2021, 558, 76-90.	4.0	9
124	Visual saliency detection via combining center prior and U-Net. Multimedia Systems, 2022, 28, 1689-1698.	3.0	9
125	Saliency detection using quatemionic distance based weber descriptor and object cues. , 2016, , .		8
126	Reconstruction of normal and albedo of convex Lambertian objects by solving ambiguity matrices using SVD and optimization method. Neurocomputing, 2016, 207, 95-104.	3.5	8

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127	Monocular visual-IMU odometry using multi-channel image patch exemplars. Multimedia Tools and Applications, 2017, 76, 11975-12003.	2.6	8
128	Change Detection in Synthetic Aperture Radar Images based on Convolutional Block Attention Module. , 2019, , .		8
129	Exploring ubiquitous relations for boosting classification and localization. Knowledge-Based Systems, 2020, 196, 105824.	4.0	8
130	A Graph-based Semi-supervised Multi-label Learning Method Based on Label Correlation Consistency. Cognitive Computation, 2021, 13, 1564-1573.	3.6	8
131	Dual discriminator adversarial distillation for data-free model compression. International Journal of Machine Learning and Cybernetics, 2022, 13, 1213-1230.	2.3	8
132	Physics-Guided Generative Adversarial Networks for Sea Subsurface Temperature Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3357-3370.	7.2	8
133	New Texture Features Based on Wavelet Transform Coinciding with Human Visual Perception. , 2007, , .		7
134	Perception driven texture generation. , 2017, , .		7
135	Dense 3D facial reconstruction from a single depth image in unconstrained environment. Virtual Reality, 2018, 22, 37-46.	4.1	7
136	A Fast Internal Wave Detection Method Based on PCANet for Ocean Monitoring. Journal of Intelligent Systems, 2019, 28, 103-113.	1.2	7
137	An RFID Tag Localization Method Based on Hologram Mask and Discrete Cosine Transform. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	7
138	3D Hand Pose Estimation From Monocular RGB With Feature Interaction Module. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5293-5306.	5.6	7
139	On the relations between three methods for representing 3D surface textures under arbitrary illumination directions. , 0, , .		6
140	Self-similarity based editing of 3D surface textures using height and albedo maps. Journal of Ocean University of China, 2007, 6, 209-212.	0.6	6
141	Conversions between three methods for representing 3D surface textures under arbitrary illumination directions. Image and Vision Computing, 2008, 26, 1561-1573.	2.7	6
142	Automatic Reconstruction of Dense 3D Face Point Cloud with a Single Depth Image. , 2015, , .		6
143	Perception-driven procedural texture generation from examples. Neurocomputing, 2018, 291, 21-34.	3.5	6
144	Maximizing profit of multiple adoptions in social networks with a martingale approach. Journal of Combinatorial Optimization, 2019, 38, 1-20.	0.8	6

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145	A Perception-Inspired Deep Learning Framework for Predicting Perceptual Texture Similarity. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3714-3726.	5.6	6
146	Linearly augmented real-time 4D expressional face capture. Information Sciences, 2021, 545, 331-343.	4.0	6
147	Remote Sensing Image Translation via Style-Based Recalibration Module and Improved Style Discriminator. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
148	Two-stage deep regression enhanced depth estimation from a single RGB image. IEEE Transactions on Emerging Topics in Computing, 2020, , 1-1.	3.2	6
149	Dynamic Representation Learning for Large-Scale Attributed Networks. , 2020, , .		6
150	Hyperspectral and Lidar Data Classification Based on Linear Self-Attention. , 2021, , .		6
151	Learning Photometric Stereo via Manifold-based Mapping. , 2020, , .		6
152	An Efficient Algorithm for Ocean-Front Evolution Trend Recognition. Remote Sensing, 2022, 14, 259.	1.8	6
153	Improving photometric stereo with laser sectioning. , 2009, , .		5
154	Object-Oriented Random Forest Classification for Enteromorpha Prolifera Detection with SAR Images. , 2016, , .		5
155	Natural image illuminant estimation via deep non€negative matrix factorisation. IET Image Processing, 2018, 12, 121-125.	1.4	5
156	SDM-Based Means of Gradient for Eye Center Localization. , 2018, , .		5
157	Saliency detection using multiple low-level priors and a propagation mechanism. Multimedia Tools and Applications, 2020, 79, 33467-33482.	2.6	5
158	Optimization of Underwater Marker Detection Based on YOLOv3. Procedia Computer Science, 2021, 187, 52-59.	1.2	5
159	Mask-ShadowNet: Toward Shadow Removal via Masked Adaptive Instance Normalization. IEEE Signal Processing Letters, 2021, 28, 957-961.	2.1	5
160	Wallpaper Texture Generation and Style Transfer Based on Multi-Label Semantics. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1552-1563.	5.6	5
161	Pair-Wise Similarity Knowledge Distillation for RSI Scene Classification. Remote Sensing, 2022, 14, 2483.	1.8	5
162	LSENet: Location and Seasonality Enhanced Network for Multiclass Ocean Front Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	2.7	5

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163	Hole Filling on Three-Dimensional Surface Texture. , 2007, , .		4
164	Self-Similarity Based Classification of 3D Surface Textures. , 2008, , .		4
165	RECOVERY OF NONRIGID STRUCTURES FROM 2D OBSERVATIONS. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 279-294.	0.7	4
166	Visual exploration of tsunami evacuation planning. Journal of Visualization, 2016, 19, 475-487.	1.1	4
167	Study of LSTM Model in Sea Surface Temperature Prediction of the Yellow Sea Cold Water Mass Area. , 2019, , .		4
168	A deep learning approach for specular highlight removal from transmissive materials. Expert Systems, 2023, 40, e12598.	2.9	4
169	Survey of Procedural Methods for Two-Dimensional Texture Generation. Sensors, 2020, 20, 1135.	2.1	4
170	A joint guidance-enhanced perceptual encoder and atrous separable pyramid-convolutions for image inpainting. Neurocomputing, 2020, 396, 1-12.	3.5	4
171	Augmented visual feature modeling for matching in low-visibility based on cycle-labeling of Superpixel Flow. Knowledge-Based Systems, 2020, 195, 105699.	4.0	4
172	MARS: parallelism-based metrically accurate 3D reconstruction system in real-time. Journal of Real-Time Image Processing, 2021, 18, 393-405.	2.2	4
173	Personalized POI Recommendation: Spatio-Temporal Representation Learning with Social Tie. Lecture Notes in Computer Science, 2021, , 558-574.	1.0	4
174	MAS3K: An Open Dataset for Marine Animal Segmentation. Lecture Notes in Computer Science, 2021, , 194-212.	1.0	4
175	RSAN: Residual Subtraction and Attention Network for Single Image Super-Resolution. , 2021, , .		4
176	Disentangled Non-Local Network for Hyperspectral and LiDAR Data Classification. , 2021, , .		4
177	Segmentation of Chinese Postal Envelope Images for Address Block Location. Lecture Notes in Computer Science, 2009, , 558-567.	1.0	4
178	Skeleton Guided Conflict-Free Hand Gesture Recognition for Robot Control. , 2020, , .		4
179	Mesoscale Ocean Eddy Detection Using High-Resolution Network. , 2020, , .		4
180	Robust seed selection of foreground and background priors based on directional blocks for saliency-detection system. Multimedia Tools and Applications, 2023, 82, 427-451.	2.6	4

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181	Estimating parameters of an illumination model for the synthesis of specular surface textures. , 0, , .		3
182	Reducing the Dimensionality of Feature Vectors for Texture Image Retrieval Based on Wavelet Decomposition. , 2007, , .		3
183	Removing shadows from a single real-world color image. , 2009, , .		3
184	Texture synthesis based on multiple seed-blocks and support vector machines. , 2010, , .		3
185	Learning perceptual texture similarity and relative attributes from computational features. , 2016, , .		3
186	Relative Flow Estimates for Shot Boundary Detection. Pattern Recognition and Image Analysis, 2018, 28, 53-58.	0.6	3
187	Dynamic 3D Surface Reconstruction Using a Hand-Held Camera. , 2018, , .		3
188	Leveraging an Instance Segmentation Method for Detection of Transparent Materials. , 2019, , .		3
189	Compressing Deep Networks by Neuron Agglomerative Clustering. Sensors, 2020, 20, 6033.	2.1	3
190	Change detection from SAR images based on deformable residual convolutional neural networks. , 2021, , .		3
191	Real-Time 3D Facial Tracking via Cascaded Compositional Learning. IEEE Transactions on Image Processing, 2021, 30, 3844-3857.	6.0	3
192	Near-field photometric stereo using a ring-light imaging device. Signal Processing: Image Communication, 2022, 102, 116605.	1.8	3
193	Learning General Feature Descriptor for Visual Measurement With Hierarchical View Consistency. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	3
194	3D Surface Texture Synthesis Based on Wavelet Transform. , 2008, , .		2
195	Deformable template combining alignable and non-alignable sketches. , 2008, , .		2
196	Three-Dimensional Surface Texture Classification Based on Support Vector Machines and Wavelet Packets. , 2008, , .		2
197	Removing Color Stain on Vehicle License Plates Based on Photometric Stereo and a Hole-Filling Algorithm. , 2008, , .		2
198	Automatic correction of non-uniform illumination for 3D surface heightmap reconstruction. , 2009, , .		2

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199	Enteromorpha detection in aerial images using support vector machines. , 2009, , .		2
200	Evaluation of Facial Paralysis Degree Based on Regions. , 2010, , .		2
201	A System for Detecting Sea Oil Leak Based on Video Surveillance. , 2011, , .		2
202	A simple and fast framework of computing relative height in 3D reconstruction. , 2012, , .		2
203	Surface height map estimation from a single image using convolutional neural networks. , 2017, , .		2
204	Accurate segmentation of Ulva prolifera regions with superpixel and CNNs. , 2017, , .		2
205	Abnormal behavior detection for harbour operator safety under complex video surveillance scenes. , 2017, , .		2
206	Person Re-Identification with Deep Features and Transfer Learning. , 2017, , .		2
207	The Importance of Phase to Texture Similarity. , 2017, , .		2
208	Combining encoded structured light and photometric stereo for underwater 3D reconstruction. , 2017, , .		2
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