

Junyu Dong

List of Publications by Year in Descending Order

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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	3D Hand Pose Estimation from Monocular RGB with Feature Interaction Module. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022 , 1-1	6.4	0
217	An Efficient Algorithm for Ocean-Front Evolution Trend Recognition. <i>Remote Sensing</i> , 2022 , 14, 259	5	2
216	Spatio-Temporal Representation Learning with Social Tie for Personalized POI Recommendation. <i>Data Science and Engineering</i> , 2022 , 7, 44	3.6	6
215	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> , 2022 , 1-1	4.7	4
214	Near-field photometric stereo using a ring-light imaging device. <i>Signal Processing: Image Communication</i> , 2022 , 102, 116605	2.8	0
213	SSCU-Net: Spatial-Spectral Collaborative Unmixing Network for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	4
212	Embedded Attention Network for Semantic Segmentation. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 326-333	4.2	1
211	A deep-shallow and global-local multi-feature fusion network for photometric stereo. <i>Image and Vision Computing</i> , 2022 , 118, 104368	3.7	1
210	Self-attention neural architecture search for semantic image segmentation. <i>Knowledge-Based Systems</i> , 2022 , 239, 107968	7.3	2
209	Learning conditional photometric stereo with high-resolution features. <i>Computational Visual Media</i> , 2022 , 8, 105-118	3.9	5
208	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> , 2022 , 1-1	4.7	2
207	Learning General Feature Descriptor for Visual Measurement with Hierarchical View Consistency. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	
206	Data Transformation for Super-Resolution on Ocean Remote Sensing Images. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 431-443	0.5	
205	Pair-Wise Similarity Knowledge Distillation for RSI Scene Classification. <i>Remote Sensing</i> , 2022 , 14, 2483	5	0
204	LSENet: Location and Seasonality Enhanced Network for Multiclass Ocean Front Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-9	8.1	
203	The Importance of Phase to Texture Discrimination and Similarity. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021 , 27, 3755-3768	4	
202	Physics-Guided Generative Adversarial Networks for Sea Subsurface Temperature Prediction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1

201	An RFID Tag Localization Method Based on Hologram Mask and Discrete Cosine Transform. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	2
200	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> , 2021 , 14, 10748-10760	4.7	4
199	Distilling Ordinal Relation and Dark Knowledge for Facial Age Estimation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3108-3121	10.3	5
198	Three-Dimensional Reconstruction with a Laser Line Based on Image In-Painting and Multi-Spectral Photometric Stereo. <i>Sensors</i> , 2021 , 21,	3.8	1
197	Improved NSGA-III with Second-Order Difference Random Strategy for Dynamic Multi-Objective Optimization. <i>Processes</i> , 2021 , 9, 911	2.9	5
196	Fusing attributed and topological global-relations for network embedding. <i>Information Sciences</i> , 2021 , 558, 76-90	7.7	3
195	SAR Image Change Detection Based on Multiscale Capsule Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 484-488	4.1	17
194	Few-Shot Learning for Domain-Specific Fine-Grained Image Classification. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3588-3598	8.9	23
193	Perceptual Texture Similarity Estimation: An Evaluation of Computational Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 2429-2448	13.3	5
192	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> , 2021 , 31, 1514-1525	6.4	10
191	Linearly augmented real-time 4D expressional face capture. <i>Information Sciences</i> , 2021 , 545, 331-343	7.7	2
190	Underwater image processing and analysis: A review. <i>Signal Processing: Image Communication</i> , 2021 , 91, 116088	2.8	10
189	MARS: parallelism-based metrically accurate 3D reconstruction system in real-time. <i>Journal of Real-Time Image Processing</i> , 2021 , 18, 393-405	1.9	1
188	Visual saliency detection by integrating spatial position prior of object with background cues. <i>Expert Systems With Applications</i> , 2021 , 168, 114219	7.8	14
187	Adaptive DropBlock-Enhanced Generative Adversarial Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5040-5053	8.1	21
186	Remote Sensing Image Translation via Style-Based Recalibration Module and Improved Style Discriminator. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
185	Parallel Complement Network for Real-Time Semantic Segmentation of Road Scenes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	8
184	Incorporating Lambertian Priors Into Surface Normals Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	7

183	Local and Global Perception Generative Adversarial Network for Facial Expression Synthesis. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	5
182	Gaussian Dynamic Convolution for Efficient Single-Image Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	4
181	Optimization of Underwater Marker Detection Based on YOLOv3. <i>Procedia Computer Science</i> , 2021 , 187, 52-59	1.6	0
180	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	7
179	Multimodal Gait Recognition for Neurodegenerative Diseases. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	7
178	Personalized POI Recommendation: Spatio-Temporal Representation Learning with Social Tie. <i>Lecture Notes in Computer Science</i> , 2021 , 558-574	0.9	1
177	Mask-ShadowNet: Toward Shadow Removal via Masked Adaptive Instance Normalization. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 957-961	3.2	1
176	Marine Animal Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	5
175	MAS3K: An Open Dataset for Marine Animal Segmentation. <i>Lecture Notes in Computer Science</i> , 2021 , 194-212	0.9	0
174	Recovering Surface Normal and Arbitrary Images: A Dual Regression Network for Photometric Stereo. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3676-3690	8.7	8
173	Change Detection in Synthetic Aperture Radar Images Using a Dual-Domain Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	12
172	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	0
171	Underwater Optical 3-D Reconstruction of Photometric Stereo Considering Light Refraction and Attenuation. <i>IEEE Journal of Oceanic Engineering</i> , 2021 , 1-13	3.3	2
170	GPNNet: Gated pyramid network for semantic segmentation. <i>Pattern Recognition</i> , 2021 , 115, 107940	7.7	10
169	Perceptual Underwater Image Enhancement With Deep Learning and Physical Priors. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3078-3092	6.4	20
168	A Deep Framework for Eddy Detection and Tracking From Satellite Sea Surface Height Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 7224-7234	8.1	10
167	DLEA: A dynamic learning evolution algorithm for many-objective optimization. <i>Information Sciences</i> , 2021 , 574, 567-589	7.7	10
166	Real-Time 3D Facial Tracking via Cascaded Compositional Learning. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3844-3857	8.7	1

165	Random Shapley Forests: Cooperative Game-Based Random Forests With Consistency. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	4
164	Enhancing MOEA/D with information feedback models for large-scale many-objective optimization. <i>Information Sciences</i> , 2020 , 522, 1-16	7.7	65
163	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> , 2020 , 32, e2247	1	2
162	A joint guidance-enhanced perceptual encoder and atrous separable pyramid-convolutions for image inpainting. <i>Neurocomputing</i> , 2020 , 396, 1-12	5.4	1
161	Exploring ubiquitous relations for boosting classification and localization. <i>Knowledge-Based Systems</i> , 2020 , 196, 105824	7.3	7
160	Two-stage deep regression enhanced depth estimation from a single RGB image. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 1-1	4.1	2
159	Fast Attributed Multiplex Heterogeneous Network Embedding 2020 ,		3
158	Dynamic Representation Learning for Large-Scale Attributed Networks 2020 ,		4
157	Pay Attention to Devils: A Photometric Stereo Network for Better Details 2020 ,		5
156	Learning Photometric Stereo via Manifold-based Mapping 2020 ,		2
155	A Perception-Inspired Deep Learning Framework for Predicting Perceptual Texture Similarity. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3714-3726	6.4	1
154	A dual-cue network for multispectral photometric stereo. <i>Pattern Recognition</i> , 2020 , 100, 107162	7.7	12
153	Learning Deep Relations to Promote Saliency Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 10510-10517	5	8
152	Underwater object detection using Invert Multi-Class Adaboost with deep learning 2020 ,		11
151	Texture Classification Using Pair-wise Difference Pooling Based Bilinear Convolutional Neural Networks. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	7
150	Region Based Parallel Hierarchy Convolutional Neural Network for Automatic Facial Nerve Paralysis Evaluation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 2325-2332	4.8	13
149	Highlight Every Step: Knowledge Distillation via Collaborative Teaching. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	6
148	A deep learning approach for specular highlight removal from transmissive materials. <i>Expert Systems</i> , 2020 , e12598	2.1	0

147	Behavior of crossover operators in NSGA-III for large-scale optimization problems. <i>Information Sciences</i> , 2020 , 509, 470-487	7.7	93
146	Saliency detection using multiple low-level priors and a propagation mechanism. <i>Multimedia Tools and Applications</i> , 2020 , 79, 33467-33482	2.5	0
145	Monocular Visual-IMU Odometry: A Comparative Evaluation of Detector-Descriptor-Based Methods. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2471-2484	6.1	6
144	MPS-Net: Learning to recover surface normal for multispectral photometric stereo. <i>Neurocomputing</i> , 2020 , 375, 62-70	5.4	8
143	Developing a microscopic image dataset in support of intelligent phytoplankton detection using deep learning. <i>ICES Journal of Marine Science</i> , 2020 , 77, 1427-1439	2.7	10
142	Hybrid regression and isophote curvature for accurate eye center localization. <i>Multimedia Tools and Applications</i> , 2020 , 79, 805-824	2.5	7
141	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 970-979	6.6	14
140	Augmented visual feature modeling for matching in low-visibility based on cycle-labeling of Superpixel Flow. <i>Knowledge-Based Systems</i> , 2020 , 195, 105699	7.3	3
139	Interactive visual analysis of spatiotemporal characteristics in tropical cyclone trajectory data. <i>Procedia Computer Science</i> , 2019 , 147, 240-246	1.6	
138	A survey on visual analysis of ocean data. <i>Visual Informatics</i> , 2019 , 3, 113-128	2.8	8
137	Transferred Deep Learning for Sea Ice Change Detection From Synthetic-Aperture Radar Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1655-1659	4.1	33
136	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4777-4787	8.9	7
135	A hierarchically trained generative network for robust facial symmetrization. <i>Technology and Health Care</i> , 2019 , 27, 217-227	1.1	
134	The extended marine underwater environment database and baseline evaluations. <i>Applied Soft Computing Journal</i> , 2019 , 80, 425-437	7.5	30
133	Sea Ice Change Detection in SAR Images Based on Convolutional-Wavelet Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1240-1244	4.1	66
132	Marginal Deep Architecture: Stacking Feature Learning Modules to Build Deep Learning Models. <i>IEEE Access</i> , 2019 , 7, 30220-30233	3.5	11
131	Deep pixel-to-pixel network for underwater image enhancement and restoration. <i>IET Image Processing</i> , 2019 , 13, 469-474	1.7	24
130	Trinocular vision system based on cameras with tilt-shift lens. <i>Journal of Optics (India)</i> , 2019 , 48, 43-48	1.3	2

129	Automatic Facial Paralysis Evaluation Augmented by a Cascaded Encoder Network Structure. <i>IEEE Access</i> , 2019 , 7, 135621-135631	3.5	5
128	Oceanic Data Analysis with Deep Learning Models. <i>Cognitive Computation Trends</i> , 2019 , 139-160	2.3	
127	Change Detection in Synthetic Aperture Radar Images based on Convolutional Block Attention Module 2019 ,		1
126	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> , 2019 , 12, 4517-4529	4.7	31
125	Maximizing profit of multiple adoptions in social networks with a martingale approach. <i>Journal of Combinatorial Optimization</i> , 2019 , 38, 1-20	0.9	3
124	Accurate Ulva prolifera regions extraction of UAV images with superpixel and CNNs for ocean environment monitoring. <i>Neurocomputing</i> , 2019 , 348, 158-168	5.4	16
123	Inpainting of Remote Sensing SST Images With Deep Convolutional Generative Adversarial Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 173-177	4.1	30
122	A procedural texture generation framework based on semantic descriptions. <i>Knowledge-Based Systems</i> , 2019 , 163, 898-906	7.3	7
121	A Multiscale Deep Framework for Ocean Fronts Detection and Fine-Grained Location. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 178-182	4.1	5
120	A Fast Internal Wave Detection Method Based on PCANet for Ocean Monitoring. <i>Journal of Intelligent Systems</i> , 2019 , 28, 103-113	1.5	4
119	Integrating QDWD with pattern distinctness and local contrast for underwater saliency detection. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 53, 31-41	2.7	51
118	Perception-driven procedural texture generation from examples. <i>Neurocomputing</i> , 2018 , 291, 21-34	5.4	4
117	Specular reflection removal of ocean surface remote sensing images from UAVs. <i>Multimedia Tools and Applications</i> , 2018 , 77, 11363-11379	2.5	6
116	A CFCC-LSTM Model for Sea Surface Temperature Prediction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 207-211	4.1	88
115	Natural image illuminant estimation via deep non-negative matrix factorisation. <i>IET Image Processing</i> , 2018 , 12, 121-125	1.7	5
114	Opposition-based learning monarch butterfly optimization with Gaussian perturbation for large-scale 0-1 knapsack problem. <i>Computers and Electrical Engineering</i> , 2018 , 67, 454-468	4.3	45
113	Dual channel LSTM based multi-feature extraction in gait for diagnosis of Neurodegenerative diseases. <i>Knowledge-Based Systems</i> , 2018 , 145, 91-97	7.3	35
112	A hybrid spatio-temporal model for detection and severity rating of Parkinson's disease from gait data. <i>Neurocomputing</i> , 2018 , 315, 1-8	5.4	53

111	Relative Flow Estimates for Shot Boundary Detection. <i>Pattern Recognition and Image Analysis</i> , 2018 , 28, 53-58	1	2
110	Dense 3D facial reconstruction from a single depth image in unconstrained environment. <i>Virtual Reality</i> , 2018 , 22, 37-46	6	7
109	Saliency detection using quaternionic distance based weber local descriptor and level priors. <i>Multimedia Tools and Applications</i> , 2018 , 77, 14343-14360	2.5	21
108	Reducing and Stretching Deep Convolutional Activation Features for Accurate Image Classification. <i>Cognitive Computation</i> , 2018 , 10, 179-186	4.4	24
107	An improved NSGA-III algorithm with adaptive mutation operator for Big Data optimization problems. <i>Future Generation Computer Systems</i> , 2018 , 88, 571-585	7.5	96
106	Demultiplexing Colored Images for Multispectral Photometric Stereo via Deep Neural Networks. <i>IEEE Access</i> , 2018 , 6, 30804-30818	3.5	8
105	Three-Dimensional Reconstruction from Single Image Base on Combination of CNN and Multi-Spectral Photometric Stereo. <i>Sensors</i> , 2018 , 18,	3.8	8
104	Comprehensive assessment of non-uniform illumination for 3D heightmap reconstruction in outdoor environments. <i>Computers in Industry</i> , 2018 , 99, 110-118	11.6	19
103	Dynamic 3D Surface Reconstruction Using a Hand-Held Camera 2018 ,		2
102	SDM-Based Means of Gradient for Eye Center Localization 2018 ,		3
101	Asymmetric filtering-based dense convolutional neural network for person re-identification combined with Joint Bayesian and re-ranking. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 262-271	2.7	1
100	Saliency detection based on background seeds by object proposals and extended random walk. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 202-211	2.7	13
99	Segmentation of Lung Nodule in CT Images Based on Mask R-CNN 2018 ,		19
98	Spectral and Spatial Classification of Hyperspectral Images Based on Random Multi-Graphs. <i>Remote Sensing</i> , 2018 , 10, 1271	5	34
97	Content-based image retrieval via a hierarchical-local-feature extraction scheme. <i>Multimedia Tools and Applications</i> , 2018 , 77, 29099-29117	2.5	21
96	The Visual Word Booster: A Spatial Layout of Words Descriptor Exploiting Contour Cues. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	8
95	Banzhaf random forests: Cooperative game theory based random forests with consistency. <i>Neural Networks</i> , 2018 , 106, 20-29	9.1	15
94	Learning and Transferring Convolutional Neural Network Knowledge to Ocean Front Recognition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 354-358	4.1	36

93	Surface height map estimation from a single image using convolutional neural networks 2017 ,		2
92	Cooperative Profit Random Forests With Application in Ocean Front Recognition. <i>IEEE Access</i> , 2017 , 5, 1398-1408	3.5	10
91	Underwater image enhancement via extended multi-scale Retinex. <i>Neurocomputing</i> , 2017 , 245, 1-9	5.4	126
90	Dynamic long short-term memory network for skeleton-based gait recognition 2017 ,		5
89	Perception driven texture generation 2017 ,		2
88	Random Multi-Graphs: A semi-supervised learning framework for classification of high dimensional data. <i>Image and Vision Computing</i> , 2017 , 60, 30-37	3.7	11
87	Underwater image colour constancy based on DSNMF. <i>IET Image Processing</i> , 2017 , 11, 38-43	1.7	13
86	Monocular visual-IMU odometry using multi-channel image patch exemplars. <i>Multimedia Tools and Applications</i> , 2017 , 76, 11975-12003	2.5	6
85	An Evaluation of Deep Learning in Loop Closure Detection for Visual SLAM 2017 ,		9
84	Encoding Spectral and Spatial Context Information for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2250-2254	4.1	22
83	Feature matching for underwater image via superpixel tracking 2017 ,		1
82	Prediction of Sea Surface Temperature Using Long Short-Term Memory. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1745-1749	4.1	149
81	The OUC-vision large-scale underwater image database 2017 ,		20
80	Accurate segmentation of <i>Ulva prolifera</i> regions with superpixel and CNNs 2017 ,		1
79	Abnormal behavior detection for harbour operator safety under complex video surveillance scenes 2017 ,		2
78	The Importance of Phase to Texture Similarity 2017 ,		1
77	Perceptual texture similarity learning using deep neural networks 2017 ,		1
76	A novel underwater de-scattering method based on sparse non-negative matrix factorization 2017 ,		1

75	Deviation correction method for close-range photometric stereo with nonuniform illumination. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	8
74	Refractive laser triangulation and photometric stereo in underwater environment. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	8
73	Saliency Detection via Combining Global Shape and Local Cue Estimation. <i>Lecture Notes in Computer Science</i> , 2017 , 325-334	0.9	
72	Saliency Detection Using Texture and Local Cues. <i>Communications in Computer and Information Science</i> , 2017 , 689-699	0.3	
71	Application of deep convolutional neural networks for ocean front recognition. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 1	1.4	6
70	Automatic evaluation of the degree of facial nerve paralysis. <i>Multimedia Tools and Applications</i> , 2016 , 75, 11893-11908	2.5	23
69	Ocean Front Detection From Instant Remote Sensing SST Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1960-1964	4.1	13
68	Deep hashing learning networks 2016 ,		11
67	Visual exploration of tsunami evacuation planning. <i>Journal of Visualization</i> , 2016 , 19, 475-487	1.6	3
66	Human Face Reconstruction from a Single Input Image Based on a Coupled Statistical Model. <i>Communications in Computer and Information Science</i> , 2016 , 373-378	0.3	1
65	Change detection from synthetic aperture radar images based on neighborhood-based ratio and extreme learning machine. <i>Journal of Applied Remote Sensing</i> , 2016 , 10, 046019	1.4	58
64	Fish recognition from low-resolution underwater images 2016 ,		15
63	Saliency detection using quaternionic distance based weber descriptor and object cues 2016 ,		7
62	Automatic Change Detection in Synthetic Aperture Radar Images Based on PCANet. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1792-1796	4.1	125
61	Learning perceptual texture similarity and relative attributes from computational features 2016 ,		2
60	Human fall detection in surveillance video based on PCANet. <i>Multimedia Tools and Applications</i> , 2016 , 75, 11603-11613	2.5	73
59	Reconstruction of normal and albedo of convex Lambertian objects by solving ambiguity matrices using SVD and optimization method. <i>Neurocomputing</i> , 2016 , 207, 95-104	5.4	4
58	Visual-Patch-Attention-Aware Saliency Detection. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1575-86	10.2	125

57	Topological evolution of virtual social networks by modeling social activities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 433, 259-267	3.3	0
56	The joint effect of mesoscale and microscale roughness on perceived gloss. <i>Vision Research</i> , 2015 , 115, 209-17	2.1	24
55	3D Texture Recognition for RGB-D Images. <i>Lecture Notes in Computer Science</i> , 2015 , 518-528	0.9	
54	Stretching deep architectures for text recognition 2015 ,		10
53	Fast 3D face reconstruction based on uncalibrated photometric stereo. <i>Multimedia Tools and Applications</i> , 2015 , 74, 3635-3650	2.5	13
52	Automatic Reconstruction of Dense 3D Face Point Cloud with a Single Depth Image 2015 ,		3
51	Visual perception of procedural textures: identifying perceptual dimensions and predicting generation models. <i>PLoS ONE</i> , 2015 , 10, e0130335	3.7	14
50	Is DeCAF Good Enough for Accurate Image Classification?. <i>Lecture Notes in Computer Science</i> , 2015 , 354-363	3.9	3
49	Illumination-insensitive texture discrimination based on illumination compensation and enhancement. <i>Information Sciences</i> , 2014 , 269, 60-72	7.7	35
48	Facial-feature detection and localization based on a hierarchical scheme. <i>Information Sciences</i> , 2014 , 262, 1-14	7.7	49
47	Interacting gene selection via cooperative game analysis for cancer diagnosis. <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 3771-8	1	
46	Automatic recognition of facial movement for paralyzed face. <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 2751-60	1	14
45	Perceived Roughness of Material Surfaces. <i>Applied Mechanics and Materials</i> , 2014 , 624, 62-66	0.3	
44	Why do rough surfaces appear glossy?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 935-43	1.8	12
43	Hierarchical mesh deformation with shape preservation. <i>Computer Animation and Virtual Worlds</i> , 2014 , 25, 411-420	0.9	1
42	Visual Texture Perception with Feature Learning Models and Deep Architectures. <i>Communications in Computer and Information Science</i> , 2014 , 401-410	0.3	7
41	A novel face-hallucination scheme based on singular value decomposition. <i>Pattern Recognition</i> , 2013 , 46, 3091-3102	7.7	41
40	FSAM: A fast self-adaptive method for correcting non-uniform illumination for 3D reconstruction. <i>Computers in Industry</i> , 2013 , 64, 1229-1236	11.6	11

39	Photometric stereo applied to diffuse surfaces that violate Lambert's law. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 627-36	1.8	
38	Dynamic textures indexing and retrieval based on intrinsic properties 2012 ,		1
37	Capture and fusion of 3d surface texture. <i>Multimedia Tools and Applications</i> , 2011 , 53, 237-251	2.5	10
36	A System for Detecting Sea Oil Leak Based on Video Surveillance 2011 ,		2
35	Recovering discontinuous surfaces with photometric stereo and laser sectioning. <i>Optical Engineering</i> , 2011 , 50, 053605	1.1	1
34	Image retrieval using wavelet-based salient regions. <i>Imaging Science Journal</i> , 2011 , 59, 219-231	0.9	32
33	Illumination Estimation of 3D Surface Texture Based on Active Basis 2010 ,		1
32	Texture synthesis based on multiple seed-blocks and support vector machines 2010 ,		2
31	3D Surface Texture Synthesis Using Wavelet Coefficient Fitting. <i>Lecture Notes in Electrical Engineering</i> , 2010 , 239-246	0.2	
30	2009 ,		3
29	Removing shadows from a single real-world color image 2009 ,		2
28	Segmentation of Chinese Postal Envelope Images for Address Block Location. <i>Lecture Notes in Computer Science</i> , 2009 , 558-567	0.9	2
27	3D Surface Texture Synthesis Based on Wavelet Transform 2008 ,		2
26	Fast Texture Synthesis Using Wavelet Coefficient Fitting 2008 ,		1
25	An Approach for Quantitative Evaluation of the Degree of Facial Paralysis Based on Salient Point Detection 2008 ,		6
24	Self-Similarity Based Classification of 3D Surface Textures 2008 ,		1
23	RECOVERY OF NONRIGID STRUCTURES FROM 2D OBSERVATIONS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 279-294	1.1	4
22	Removing Color Stain on Vehicle License Plates Based on Photometric Stereo and a Hole-Filling Algorithm 2008 ,		2

21	Illumination-Invariant Texture Classification Based on Self-Similarity and Gabor Wavelet 2008 ,		1
20	Conversions between three methods for representing 3D surface textures under arbitrary illumination directions. <i>Image and Vision Computing</i> , 2008 , 26, 1561-1573	3.7	4
19	Wavelet-Based Salient Regions and their Spatial Distribution for Image Retrieval 2007 ,		9
18	Reducing the Dimensionality of Feature Vectors for Texture Image Retrieval Based on Wavelet Decomposition 2007 ,		1
17	Self-similarity based editing of 3D surface textures using height and albedo maps. <i>Journal of Ocean University of China</i> , 2007 , 6, 209-212	1	6
16	New Texture Features Based on Wavelet Transform Coinciding with Human Visual Perception 2007 ,		5
15	Combining Color, Texture and Region with Objects of User's Interest for Content-Based Image Retrieval 2007 ,		6
14	Image Fusion Based on Wavelet Transform 2007 ,		9
13	Hole Filling on Three-Dimensional Surface Texture 2007 ,		3
12	A Fast Image Rotation Algorithm for Optical Character Recognition of Chinese Documents 2006 ,		4
11	A Simple Method for Chinese License Plate Recognition Based on Support Vector Machine 2006 ,		4
10	Image quantification of high-throughput tissue microarray 2006 , 6143, 509		1
9	Capture and Synthesis of 3D Surface Texture. <i>International Journal of Computer Vision</i> , 2005 , 62, 177-194	10.6	6
8	Capture and Synthesis of 3D Surface Texture. <i>International Journal of Computer Vision</i> , 2005 , 62, 177-194	10.6	26
7	FUZZY MATRICES WITH COMPLETE TRANSITIVITY. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2004 , 12, 531-542	0.8	1
6	On the relations between three methods for representing 3D surface textures under arbitrary illumination directions		1
5	OFExplorer: multi-facetted visual analysis of ocean front. <i>Journal of Visualization</i> ,1		1.6
4	Dual discriminator adversarial distillation for data-free model compression. <i>International Journal of Machine Learning and Cybernetics</i> ,1	3.8	0

3	Cascade Regression-Based Face Frontalization for Dynamic Facial Expression Analysis. <i>Cognitive Computation</i> ,1	4.4	5
2	A Graph-based Semi-supervised Multi-label Learning Method Based on Label Correlation Consistency. <i>Cognitive Computation</i> ,1	4.4	1
1	Visual saliency detection via combining center prior and U-Net. <i>Multimedia Systems</i> ,1	2.2	0