Qm Jonathan Wu

List of Publications by Year in Descending Order

330 papers	6,713 citations	43 h-index	68 g-index
371 ext. papers	8,114 ext. citations	4.7 avg, IF	6.82 L-index

#	Paper	IF	Citations
330	Attention-Guided Multitask Convolutional Neural Network for Power Line Parts Detection. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	5
329	A Motion Compensation Method for Shipborne HFSWR by Using Dual Reference RF Signals Generated Onshore. *Remote Sensing*, **2022**, 14, 1055	5	1
328	Generative Steganography Based on Long Readable Text Generation. *IEEE Transactions on Computational Social Systems*, **2022**, 1-11	4.5	0
327	FLD-SRC: Fingerprint Liveness Detection for AFIS based on Spatial Ridges Continuity. *IEEE Journal on Selected Topics in Signal Processing*, **2022**, 1-11	7.5	1
326	Context-Aware Correlation Filter Learning Toward Peak Strength for Visual Tracking. *IEEE Transactions on Cybernetics*, **2021**, 51, 5105-5115	10.2	1
325	High-Capacity Steganography Using Object Addition-based Cover Enhancement for Secure Communication in Networks. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	0
324	Selective Multi-branch Attention Network with Material Constraint for Baggage Re-identification. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	1
323	Multimodel Feature Reinforcement Framework Using Moore-Penrose Inverse for Big Data Analysis. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 5008-5021	10.3	3
322	Hierarchical One-Class Classifier With Within-Class Scatter-Based Autoencoders. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3770-3776	10.3	5
321	MAMA Net: Multi-Scale Attention Memory Autoencoder Network for Anomaly Detection. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1032-1041	11.7	7
320	Track Prediction for HF Radar Vessels Submerged in Strong Clutter Based on MSCNN Fusion with GRU-AM and AR Model. *Remote Sensing*, **2021**, 13, 2164	5	5
319	CascNet: No-reference saliency quality assessment with cascaded applicability sorting and comparing network. *Neurocomputing*, **2021**, 425, 231-242	5.4	2
318	A Regression Method With Subnetwork Neurons for Vigilance Estimation Using EOG and EEG. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 13, 209-222	3	16
317	. *IEEE Transactions on Big Data*, **2021**, 7, 559-573	3.2	17
316	. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 1218-1230	8	3
315	RemNet: remnant convolutional neural network for camera model identification. *Neural Computing and Applications*, **2021**, 33, 3655-3670	4.8	8
314	CASNet: A Cross-Attention Siamese Network for Video Salient Object Detection. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2676-2690	10.3	24

313	Self-supervised monocular depth estimation with direct methods. *Neurocomputing*, **2021**, 421, 340-348	5.4	2
312	Fingerprint liveness detection using an improved CNN with the spatial pyramid pooling structure. *Advances in Computers*, **2021**, 120, 157-193	2.9	1
311	A compensation-based optimization strategy for top dense layer training. *Neurocomputing*, **2021**, 453, 563-578	5.4	
310	Analysis and Estimation of Shipborne HFSWR Target Parameters Under the Influence of Platform Motion. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 4703-4716	8.1	1
309	Fast Ship Detection With Spatial-Frequency Analysis and ANOVA-Based Feature Fusion. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	1
308	AMPNet: Average-and Max-Pool Networks for Salient Object Detection. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	8
307	A Practical Robotic Grasping Method by Using 6D Pose Estimation with Protective Correction. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
306	DOA Estimation for HFSWR Target Based on PSO-ELM. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	3
305	MFFFLD: A Multi-modal Feature Fusion Based Fingerprint Liveness Detection. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 1-1	3	5
304	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 14, 5581-5595	4.7	1
303	MRSDI-CNN: Multi-Model Rail Surface Defect Inspection System Based on Convolutional Neural Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-16	6.1	6
302	RPNet: Gait Recognition with Relationships between Each Body-Parts. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	1
301	HKPM: A Hierarchical Key-Area Perception Model for HFSWR Maritime Surveillance. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-13	8.1	1
300	3MNet: Multi-task, multi-level and multi-channel feature aggregation network for salient object detection. *Machine Vision and Applications*, **2021**, 32, 45	2.8	0
299	FSFN: feature separation and fusion network for single image super-resolution. *Multimedia Tools and Applications*, **2021**, 80, 31599	2.5	0
298	A compact multi-pattern encoding descriptor for texture classification **2021**, 114, 103081		0
297	Echo state network with a global reversible autoencoder for time series classification. *Information Sciences*, **2021**, 570, 744-768	7.7	4
296	Blockchain-based decentralized reputation system in E-commerce environment. *Future Generation Computer Systems*, **2021**, 124, 155-167	7.5	13

295 Underwater Image Co-Enhancement with Correlation Feature Matching and Joint Learning. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1 — 6.4 — 11

294 . *IEEE Transactions on Industrial Informatics*, **2020**, 1-1 — 11.9 — 6

293 Deep mutual learning network for gait recognition. *Multimedia Tools and Applications*, **2020**, 79, 22653-22672 — 2.9 — 1

292 Improved face super-resolution generative adversarial networks. *Machine Vision and Applications*, **2020**, 31, 1 — 2.8 — 8

291 Distributed fusion estimation for multisensor systems with non-Gaussian but heavy-tailed noises. *ISA Transactions*, **2020**, 101, 160-169 — 5.5 — 6

290 Deep Multimodel Cascade Method Based on CNN and Random Forest for Pharmaceutical Particle Detection. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 7028-7042 — 5.2 — 11

289 Recomputation of the Dense Layers for Performance Improvement of DCNN. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, 42, 2912-2925 — 13.3 — 17

288 Region-Level Visual Consistency Verification for Large-Scale Partial-Duplicate Image Search. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2020**, 16, 1-25 — 3.4 — 29

287 L2-Constrained RemNet for Camera Model Identification and Image Manipulation Detection. *Lecture Notes in Computer Science*, **2020**, 267-282 — 0.9 — 0

286 Target Detection for HFSWR Based on an S3D Algorithm. *IEEE Access*, **2020**, 8, 224825-224836 — 3.5 — 5

285 Fingerprint Liveness Detection Based on Multi-modal Fine-Grained Feature Fusion. *Lecture Notes in Computer Science*, **2020**, 417-428 — 0.9 — 1

284 Coverless information hiding based on the generation of anime characters. *Eurasip Journal on Image and Video Processing*, **2020**, 2020, — 2.5 — 4

283 Continuous Tracking of Targets for Stereoscopic HFSWR Based on IMM Filtering Combined with ELM. *Remote Sensing*, **2020**, 12, 272 — 5 — 9

282 FRNet: Factorized and Regular Blocks Network for Semantic Segmentation in Road Scene. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 1-9 — 6.1 — 4

281 An Autuencoder-based Data Augmentation Strategy for Generalization Improvement of DCNNs. *Neurocomputing*, **2020**, 402, 283-297 — 5.4 — 10

280 Faster Single Model Vigilance Detection Based on Deep Learning. *IEEE Transactions on Cognitive and Developmental Systems*, **2020**, 1-1 — 3 — 1

279 Clothescounter: A framework for star-oriented clothes mining from videos. *Neurocomputing*, **2020**, 377, 38-48 — 5.4 — 5

278 Optimizing Deep Belief Echo State Network with a Sensitivity Analysis Input Scaling Auto-Encoder algorithm. *Knowledge-Based Systems*, **2020**, 191, 105257 — 7.3 — 1

277	Semi-supervised stacked autoencoder-based deep hierarchical semantic feature for real-time fingerprint liveness detection. *Journal of Real-Time Image Processing*, **2020**, 17, 55-71	1.9	9
276	Wi-HSNN: A subnetwork-based encoding structure for dimension reduction and food classification via harnessing multi-CNN model high-level features. *Neurocomputing*, **2020**, 414, 57-66	5.4	3
275	Sequential Fusion for Multirate Multisensor Systems With Heavy-Tailed Noises and Unreliable Measurements. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10	7.3	1
274	Integrating SIFT and CNN Feature Matching for Partial-Duplicate Image Detection. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2020**, 4, 593-604	4.1	16
273	Sequential fusion estimation for multisensor systems with non-Gaussian noises. *Science China Information Sciences*, **2020**, 63, 1	3.4	1
272	A completed local shrinkage pattern for texture classification. *Applied Soft Computing Journal*, **2020**, 97, 106830	7.5	2
271	Multimodal Vigilance Estimation Using Deep Learning. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	4
270	Motion Parameter Identification and Motion Compensation for Shipborne HFSWR by Using the Reference RF Signal Generated at the Shore. *Remote Sensing*, **2020**, 12, 2807	5	4
269	3D Parallel Fully Convolutional Networks for Real-Time Video Wildfire Smoke Detection. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 89-103	6.4	23
268	Pedestrian detection via deep segmentation and context network. *Neural Computing and Applications*, **2020**, 32, 5845-5857	4.8	1
267	Bridging User Interest to Item Content for Recommender Systems: An Optimization Model. *IEEE Transactions on Cybernetics*, **2020**, 50, 4268-4280	10.2	24
266	A 3D CNN-LSTM-Based Image-to-Image Foreground Segmentation. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 21, 959-971	6.1	59
265	sEnDec: An Improved Image to Image CNN for Foreground Localization. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 21, 4435-4443	6.1	21
264	DM-RIS: Deep Multimodel Rail Inspection System With Improved MRF-GMM and CNN. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 1051-1065	5.2	27
263	A Multiscale Hierarchical Threshold-Based Completed Local Entropy Binary Pattern for Texture Classification. *Cognitive Computation*, **2020**, 12, 224-237	4.4	5
262	Event-triggered sequential fusion estimation with correlated noises. *ISA Transactions*, **2020**, 102, 154-163	5.5	3
261	Deep Residual Network With Adaptive Learning Framework for Fingerprint Liveness Detection. *IEEE Transactions on Cognitive and Developmental Systems*, **2020**, 12, 461-473	3	22
260	Video Foreground Extraction Using Multi-View Receptive Field and Encoder–Decoder DCNN for Traffic and Surveillance Applications. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9478-9493	6.8	33

259	Features Combined From Hundreds of Midlayers: Hierarchical Networks With Subnetwork Nodes. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 3313-3325	10.3	10
258	Optimizing simple deterministically constructed cycle reservoir network with a Redundant Unit Pruning Auto-Encoder algorithm. *Neurocomputing*, **2019**, 356, 184-194	5.4	4
257	Image Steganography Based on Foreground Object Generation by Generative Adversarial Networks in Mobile Edge Computing With Internet of Things. *IEEE Access*, **2019**, 7, 90815-90824	3.5	9
256	Fingerprint Liveness Detection Using an Improved CNN With Image Scale Equalization. *IEEE Access*, **2019**, 7, 26953-26966	3.5	41
255	Toward AI fashion design: An Attribute-GAN model for clothing match. *Neurocomputing*, **2019**, 341, 156-167	5.4	35
254	Real-time pedestrian detection with deep supervision in the wild. *Signal, Image and Video Processing*, **2019**, 13, 761-769	1.6	10
253	Tunable Neuron With PWL Approximation Based on the Minimum Operator. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 387-391	3.5	
252	Fast Semantic Segmentation for Scene Perception. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1183-1192	11.9	48
251	A Fast Hybrid Model for Large-Scale Zero-Shot Image Recognition Based on Knowledge Graphs. *IEEE Access*, **2019**, 7, 119309-119318	3.5	1
250	FCN based preprocessing for exemplar-based face sketch synthesis. *Neurocomputing*, **2019**, 365, 113-124	5.4	10
249	Automatic Kidney Lesion Detection for CT Images Using Morphological Cascade Convolutional Neural Networks. *IEEE Access*, **2019**, 7, 83001-83011	3.5	5
248	Hierarchical feature representation for unconstrained video analysis. *Neurocomputing*, **2019**, 363, 182-194	5.4	1
247	Distributed Multi-Robot Formation Control Based on Two-Layer Nearest Neighbor Information(TNNI) Consensus **2019**,		1
246	**2019**,		1
245	Faster-RCNN Based Robust Coverless Information Hiding System in Cloud Environment. *IEEE Access* , **2019**, 7, 179891-179897	3.5	16
244	Saliency object detection: integrating reconstruction and prior. *Machine Vision and Applications*, **2019**, 30, 397-406	2.8	2
243	System-on-a-Chip (SoC)-Based Hardware Acceleration for an Online Sequential Extreme Learning Machine (OS-ELM). *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, **2019**, 38, 2127-2138	2.5	16
242	. *IEEE Transactions on Biometrics, Behavior, and Identity Science*, **2019**, 1, 5-31	4.3	8

241	Weighted Extreme Sparse Classifier and Local Derivative Pattern for 3D Face Recognition. *IEEE Transactions on Image Processing*, **2019**,	8.7	9
240	A Novel Ship Target Detection Algorithm Based on Error Self-adjustment Extreme Learning Machine and Cascade Classifier. *Cognitive Computation*, **2019**, 11, 110-124	4.4	10
239	. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 2497-2509	6.1	12
238	Two-stage local details restoration framework for face hallucination. *Machine Vision and Applications*, **2019**, 30, 153-162	2.8	1
237	Graph model-based salient object detection using objectness and multiple saliency cues. *Neurocomputing*, **2019**, 323, 188-202	5.4	24
236	Coverless image steganography using partial-duplicate image retrieval. *Soft Computing*, **2019**, 23, 4927-4938	3.5	67
235	Difference co-occurrence matrix using BP neural network for fingerprint liveness detection. *Soft Computing*, **2019**, 23, 5157-5169	3.5	40
234	Face recognition using AMVP and WSRC under variable illumination and pose. *Neural Computing and Applications*, **2019**, 31, 3805-3818	4.8	1
233	A fractal dimension based framework for night vision fusion. *IEEE/CAA Journal of Automatica Sinica*, **2019**, 6, 220-227	7	6
232	Automated Machine Vision System for Liquid Particle Inspection of Pharmaceutical Injection. *IEEE Transactions on Instrumentation and Measurement*, **2018**, 67, 1278-1297	5.2	22
231	Supervoxel based method for multi-atlas segmentation of brain MR images. *NeuroImage*, **2018**, 175, 201-214	7.4	16
230	Tree2Vector: Learning a Vectorial Representation for Tree-Structured Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5304-5318	10.3	54
229	State Identification of Duffing Oscillator Based on Extreme Learning Machine. *IEEE Signal Processing Letters*, **2018**, 25, 25-29	3.2	12
228	Automatic Visual Detection System of Railway Surface Defects With Curvature Filter and Improved Gaussian Mixture Model. *IEEE Transactions on Instrumentation and Measurement*, **2018**, 67, 1593-1608	5.2	59
227	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1065-1079	7.3	41
226	. *IEEE Transactions on Cognitive and Developmental Systems*, **2018**, 10, 408-419	3	68
225	Traffic flow detection and statistics via improved optical flow and connected region analysis. *Signal, Image and Video Processing*, **2018**, 12, 99-105	1.6	10
224	Encoding multiple contextual clues for partial-duplicate image retrieval. *Pattern Recognition Letters*, **2018**, 109, 18-26	4.7	15

223   Saliency detection via conditional adversarial image-to-image network. *Neurocomputing*, **2018**, 316, 357-368   3.4   29

222   Hardware Realization of Mixed-Signal Neural Networks with Modular Synapse-Neuron arrays **2018**,   2

221   Fusion-based foreground enhancement for background subtraction using multivariate multi-model Gaussian distribution. *Information Sciences*, **2018**, 430-431, 414-431   7.7   28

220   Extracting online information from dual and multiple data streams. *Neural Computing and Applications*, **2018**, 30, 87-98   4.8   2

219   System-on-a-chip (SoC)-based hardware acceleration for foreground and background identification. *Journal of the Franklin Institute*, **2018**, 355, 1888-1912   4   13

218   New Trend in Video Foreground Detection Using Deep Learning **2018**,   9

217   Double Encoding - Slow Decoding Image to Image CNN for Foreground Identification with Application Towards Intelligent Transportation **2018**,   3

216   Deep Learning-Based Automatic Clutter/Interference Detection for HFSWR. *Remote Sensing*, **2018**, 10, 1517   5   20

215   Salient object detection via multi-scale attention CNN. *Neurocomputing*, **2018**, 322, 130-140   5.4   55

214   Deep saliency detection via channel-wise hierarchical feature responses. *Neurocomputing*, **2018**, 322, 80-92   5.4   8

213   Effect of fusing features from multiple DCNN architectures in image classification. *IET Image Processing*, **2018**, 12, 1102-1110   1.7   31

212   Fusion of transfer learning features and its application in image classification **2017**,   14

211   Fast and accurate near-duplicate image elimination for visual sensor networks. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771769417   1.7   55

210   Automatic Detection of Ship Targets Based on Wavelet Transform for HF Surface Wavelet Radar. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 714-718   4.1   33

209   A feature embedding strategy for high-level CNN representations from multiple convnets **2017**,   3

208   Efficient and Rapid Machine Learning Algorithms for Big Data and Dynamic Varying Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2625-2626   7.3   20

207   Illumination and pose variable face recognition via adaptively weighted ULBP_MHOG and WSRC. *Signal Processing: Image Communication*, **2017**, 58, 175-186   2.8   4

206   A survey of local feature methods for 3D face recognition. *Pattern Recognition*, **2017**, 72, 391-406   7.7   88

205	Effective and Efficient Global Context Verification for Image Copy Detection. *IEEE Transactions on Information Forensics and Security*, **2017**, 12, 48-63	8	276
204	Multilayered Echo State Machine: A Novel Architecture and Algorithm. *IEEE Transactions on Cybernetics*, **2017**, 47, 946-959	10.2	50
203	Multimodal 2D+3D face recognition using local descriptors: pyramidal shape map and structural context. *IET Biometrics*, **2017**, 6, 27-35	2.9	13
202	Image segmentation using a hierarchical student's-t mixture model. *IET Image Processing*, **2017**, 11, 1094-1102	1.7	9
201	System-on-chip-based hardware acceleration for human detection in 2D/3D scenes **2017**,		3
200	High-order local normal derivative pattern (LNDP) for 3D face recognition **2017**,		7
199	Automatic crack inspection for concrete bridge bottom surfaces based on machine vision **2017**,		6
198	System-level design for human action recognition in 3D scenes **2017**,		2
197	Multiscale depth local derivative pattern for sparse representation based 3D face recognition **2017**,		1
196	A late fusion approach for harnessing multi-cnn model high-level features **2017**,		28
195	System-on-a-chip (SoC)-based hardware acceleration for extreme learning machine **2017**,		3
194	Human activity recognition using an ensemble of support vector machines **2016**,		3
193	FPGA implementation of the histogram of oriented 4D surface for real-time human activity recognition **2016**,		3
192	Coverless Information Hiding Method Based on Multi-keywords. *Lecture Notes in Computer Science*, **2016**, 39-47	0.9	13
191	Full-reference image quality assessment by combining global and local distortion measures. *Signal Processing*, **2016**, 128, 186-197	4.4	31
190	A Machine Vision Apparatus and Method for Can-End Inspection. *IEEE Transactions on Instrumentation and Measurement*, **2016**, 65, 2055-2066	5.2	34
189	A Consensus Model for Motion Segmentation in Dynamic Scenes. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 2240-2249	6.4	3
188	Multiple Kernel Point Set Registration. *IEEE Transactions on Medical Imaging*, **2016**, 35, 1381-94	11.7	17

187	Multilayer Extreme Learning Machine With Subnetwork Nodes for Representation Learning. *IEEE Transactions on Cybernetics*, **2016**, 46, 2570-2583	10.2	83
186	Organizing Books and Authors by Multilayer SOM. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 2537-2550	10.3	56
185	Online Feature Selection Based on Fuzzy Clustering and Its Applications. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1294-1306	8.3	13
184	Local directional mask maximum edge patterns for image retrieval and face recognition. *IET Computer Vision*, **2016**, 10, 182-192	1.4	31
183	Extreme Learning Machine With Subnetwork Hidden Nodes for Regression and Classification. *IEEE Transactions on Cybernetics*, **2016**, 46, 2885-2898	10.2	34
182	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. *Neurocomputing*, **2016**, 173, 127-136	5.4	21
181	Efficient mixed-signal synapse multipliers for multi-layer feed-forward neural networks **2016**,		1
180	Human Action Recognition by Fusing the Outputs of Individual Classifiers **2016**,		2
179	A supervised cooperative clustering scheme for diagnosing process faults in an industrial plant **2016**,		2
178	Effective and Efficient Image Copy Detection with Resistance to Arbitrary Rotation. *IEICE Transactions on Information and Systems*, **2016**, E99.D, 1531-1540	0.6	96
177	Cooperative fusion for road obstacles detection using laser scanner and camera **2016**,		4
176	**2016**,		7
175	A unified threshold updating strategy for multivariate Gaussian mixture based moving object detection **2016**,		6
174	An improved anisotropic hierarchical fuzzy c-means method based on multivariate student t-distribution for brain MRI segmentation. *Pattern Recognition*, **2016**, 60, 778-792	7.7	22
173	Non-local-based spatially constrained hierarchical fuzzy C-means method for brain magnetic resonance imaging segmentation. *IET Image Processing*, **2016**, 10, 865-876	1.7	15
172	A new contrast based multimodal medical image fusion framework. *Neurocomputing*, **2015**, 157, 143-152	5.4	114
171	Image segmentation by generalized hierarchical fuzzy C-means algorithm. *Journal of Intelligent and Fuzzy Systems*, **2015**, 28, 961-973	1.6	325
170	A comparative experimental study of image feature detectors and descriptors. *Machine Vision and Applications*, **2015**, 26, 443-466	2.8	59

169	Utilizing image scales towards totally training free blind image quality assessment. *IEEE Transactions on Image Processing*, **2015**, 24, 1879-92	8.7	31
168	Evaluating 3D Hand Motion with a Softkinetic Camera **2015**,		4
167	Progressive Learning Machine: A New Approach for General Hybrid System Approximation. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 1855-74	10.3	7
166	Label Fusion for Multi-atlas Segmentation Based on Majority Voting. *Lecture Notes in Computer Science*, **2015**, 100-106	0.9	3
165	Two Fast and Robust Modified Gaussian Mixture Models Incorporating Local Spatial Information for Image Segmentation. *Journal of Signal Processing Systems*, **2015**, 81, 45-58	1.4	6
164	A new robust and efficient multiple watermarking scheme. *Multimedia Tools and Applications*, **2015**, 74, 8421-8444	2.5	15
163	Spherical symmetric 3D local ternary patterns for natural, texture and biomedical image indexing and retrieval. *Neurocomputing*, **2015**, 149, 1502-1514	5.4	69
162	A novel chaos-based secure transmission of biometric data. *Neurocomputing*, **2015**, 147, 444-455	5.4	18
161	Asymmetric mixture model with simultaneous feature selection and model detection. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 400-8	10.3	18
160	Video Foreground Detection in Non-static Background Using Multi-dimensional Color Space. *Procedia Computer Science*, **2015**, 70, 55-61	1.6	5
159	Research on the Fundamental Principles and Characteristics of Correspondence Function. *Mathematical Problems in Engineering*, **2015**, 2015, 1-15	1.1	
158	A quasi-dense matching approach and its calibration application with Internet photos. *IEEE Transactions on Cybernetics*, **2015**, 45, 370-83	10.2	6
157	Multiple Imputation of Missing Residuals for Fault Classification: A Wind Turbine Application **2015**,		3
156	Computational Intelligence for Changing Environments [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 10-11	5.6	1
155	A non-parametric Bayesian model for bounded data. *Pattern Recognition*, **2015**, 48, 2084-2095	7.7	3
154	ELM Feature Mappings Learning: Single-Hidden-Layer Feedforward Network without Output Weight. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 311-324	0.2	
153	Low-resolution face recognition: a review. *Visual Computer*, **2014**, 30, 359-386	2.3	73
152	MRI and CT image indexing and retrieval using local mesh peak valley edge patterns. *Signal Processing: Image Communication*, **2014**, 29, 400-409	2.8	38

151	Image segmentation by Dirichlet process mixture model with generalised mean. *IET Image Processing*, **2014**, 8, 103-111	1.7	5
150	. *IEEE Transactions on Industrial Informatics*, **2014**, 10, 1086-1096	11.9	26
149	Bounded asymmetrical Students-t mixture model. *IEEE Transactions on Cybernetics*, **2014**, 44, 857-69	10.2	22
148	A Bayesian bounded asymmetric mixture model with segmentation application. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 109-19	7.2	24
147	Asymmetric mixture model with variational Bayesian learning **2014**,		1
146	Effective fuzzy clustering algorithm with Bayesian model and mean template for image segmentation. *IET Image Processing*, **2014**, 8, 571-581	1.7	14
145	Novel Biologically Inspired Approaches to Extracting Online Information from Temporal Data. *Cognitive Computation*, **2014**, 6, 595-607	4.4	14
144	Biometric Inspired Multimedia Encryption Based on Dual Parameter Fractional Fourier Transform. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1234-1247	7.3	14
143	Robust logo watermarking using biometrics inspired key generation. *Expert Systems With Applications*, **2014**, 41, 4563-4578	7.8	12
142	An unsupervised feature selection dynamic mixture model for motion segmentation. *IEEE Transactions on Image Processing*, **2014**, 23, 1210-25	8.7	3
141	Local mesh patterns versus local binary patterns: biomedical image indexing and retrieval. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 929-38	7.2	141
140	Analysis and extension of multiresolution singular value decomposition. *Information Sciences*, **2014**, 277, 247-262	7.7	15
139	Expert content-based image retrieval system using robust local patterns. *Journal of Visual Communication and Image Representation*, **2014**, 25, 1324-1334	2.7	23
138	Bounded generalized Gaussian mixture model. *Pattern Recognition*, **2014**, 47, 3132-3142	7.7	49
137	Streaming spatio-temporal video segmentation using Gaussian Mixture Model **2014**,		2
136	Dual Gaussian mixture model with pixel history for background suppression **2014**,		1
135	. *IEEE Transactions on Geoscience and Remote Sensing*, **2014**, 52, 4391-4403	8.1	37
134	SDSS/SEGUE SPECTRAL FEATURE ANALYSIS FOR STELLAR ATMOSPHERIC PARAMETER ESTIMATION. *Astrophysical Journal*, **2014**, 790, 105	4.7	14

133	Enhancing the transmission security of biometric images using chaotic encryption. *Multimedia Systems*, **2014**, 20, 203-214	2.2	15
132	. *IEEE Transactions on Multimedia*, **2013**, 15, 1014-1024	6.6	250
131	A new logo watermarking based on redundant fractional wavelet transform. *Mathematical and Computer Modelling*, **2013**, 58, 204-218		15
130	A fuzzy logic model based Markov random field for medical image segmentation. *Evolving Systems*, **2013**, 4, 171-181	2.1	21
129	Image segmentation by a robust generalized fuzzy c-means algorithm **2013**,		2
128	Image segmentation by a new weighted Student's t-mixture model. *IET Image Processing*, **2013**, 7, 240-251	1.7	11
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