

Moncef Gabbouj

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.

480
papers

9,508
citations

43
h-index

85
g-index

631
ext. papers

12,695
ext. citations

4.3
avg, IF

6.94
L-index

#	Paper	IF	Citations
480	A Social Distance Estimation and Crowd Monitoring System for Surveillance Cameras.. <i>Sensors</i> , 2022 , 22,	3.8	4
479	Medical image analysis 2022 , 541-577		
478	Biosignal time-series analysis 2022 , 491-539		
477	Progressive and compressive learning 2022 , 187-220		
476	Object detection and tracking 2022 , 243-278		
475	A New Benchmark Problem for Structural Damage Detection: Bolt Loosening Tests on a Large-Scale Laboratory Structure. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2022 , 15-22	0.3	
474	One-Dimensional Convolutional Neural Networks for Real-Time Damage Detection of Rotating Machinery. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2022 , 73-83	0.3	2
473	Enhanced hierarchical symbolic dynamic entropy and maximum mean and covariance discrepancy-based transfer joint matching with Welsh loss for intelligent cross-domain bearing health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2022 , 165, 108343	7.8	6
472	Graph Embedding With Data Uncertainty. <i>IEEE Access</i> , 2022 , 10, 24232-24239	3.5	1
471	Attention-Based Neural Bag-of-Features Learning for Sequence Data. <i>IEEE Access</i> , 2022 , 10, 45542-45553	3.5	
470	Neural texture transfer assisted video coding with adaptive up-sampling. <i>Signal Processing: Image Communication</i> , 2022 , 116754	2.8	
469	Hierarchical Symbol Transition Entropy: A Novel Feature Extractor for Machinery Health Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	0
468	Feedforward neural networks initialization based on discriminant learning.. <i>Neural Networks</i> , 2021 , 146, 220-229	9.1	4
467	3D Quantum Cuts for automatic segmentation of porous media in tomography images. <i>Computers and Geosciences</i> , 2021 , 159, 105017	4.5	0
466	Real-Time Patient-Specific ECG Classification by 1D Self-Operational Neural Networks.. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	2
465	. <i>IEEE Access</i> , 2021 , 9, 139260-139270	3.5	1
464	Real-Time Glaucoma Detection From Digital Fundus Images Using Self-ONNs. <i>IEEE Access</i> , 2021 , 9, 140031-140041	3.5	1

463	Classification of polarimetric SAR images using compact convolutional neural networks. <i>GIScience and Remote Sensing</i> , 2021 , 58, 28-47	4.8	9
462	Self-organized operational neural networks for severe image restoration problems. <i>Neural Networks</i> , 2021 , 135, 201-211	9.1	10
461	COVID-19 infection map generation and detection from chest X-ray images. <i>Health Information Science and Systems</i> , 2021 , 9, 15	5.1	15
460	SVM based approach for complexity control of HEVC intra coding. <i>Signal Processing: Image Communication</i> , 2021 , 93, 116177	2.8	2
459	Convolutional Sparse Support Estimator-Based COVID-19 Recognition From X-Ray Images. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 1810-1820	10.3	23
458	Multilinear Compressive Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 1512-1524	10.3	5
457	Hypersphere-Based Weight Imprinting for Few-Shot Learning on Embedded Devices. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 925-930	10.3	6
456	A review of vibration-based damage detection in civil structures: From traditional methods to Machine Learning and Deep Learning applications. <i>Mechanical Systems and Signal Processing</i> , 2021 , 147, 107077	7.8	181
455	Speed-up and multi-view extensions to subclass discriminant analysis. <i>Pattern Recognition</i> , 2021 , 111, 107660	7.7	2
454	Multimodal subspace support vector data description. <i>Pattern Recognition</i> , 2021 , 110, 107648	7.7	5
453	Multi-Level Reversible Data Anonymization via Compressive Sensing and Data Hiding. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 1014-1028	8	6
452	1D convolutional neural networks and applications: A survey. <i>Mechanical Systems and Signal Processing</i> , 2021 , 151, 107398	7.8	277
451	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 33, 1426-1438	4.2	3
450	Saliency-Based Multilabel Linear Discriminant Analysis. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
449	Early Detection of Myocardial Infarction in Low-Quality Echocardiography. <i>IEEE Access</i> , 2021 , 9, 34442-34453	3.5	4
448	Neural Architecture Search by Estimation of Network Structure Distributions. <i>IEEE Access</i> , 2021 , 9, 15304-15319	3.3	3
447	Robust R-Peak Detection in Low-Quality Holter ECGs using 1D Convolutional Neural Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	6
446	INTEL-TAU: A Color Constancy Dataset. <i>IEEE Access</i> , 2021 , 9, 39560-39567	3.5	2

445	Design of an Optimal Piece-Wise Spline Wigner-Ville Distribution for TFD Performance Evaluation and Comparison. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 3963-3976	4.8	1
444	Visual Product Tracking System Using Siamese Neural Networks. <i>IEEE Access</i> , 2021 , 9, 76796-76805	3.5	1
443	Exploiting heterogeneity in operational neural networks by synaptic plasticity. <i>Neural Computing and Applications</i> , 2021 , 33, 7997-8015	4.8	4
442	Human Action Recognition Using Recurrent Bag-of-Features Pooling. <i>Lecture Notes in Computer Science</i> , 2021 , 63-76	0.9	
441	CasQNet: Intrinsic Image Decomposition Based on Cascaded Quotient Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 2661-2674	6.4	3
440	Self-organized Operational Neural Networks with Generative Neurons. <i>Neural Networks</i> , 2021 , 140, 294-308	3.08	7
439	. <i>IEEE Access</i> , 2021 , 9, 41052-41065	3.5	9
438	Remote Multilinear Compressive Learning with Adaptive Compression. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	
437	Convolutional Sparse Support Estimator Network (CSEN): From Energy-Efficient Support Estimation to Learning-Aided Compressive Sensing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
436	Distortion Rectification From Static to Dynamic: A Distortion Sequence Construction Perspective. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3870-3882	6.4	5
435	Adaptive Normalization for Forecasting Limit Order Book Data Using Convolutional Neural Networks 2020 ,		2
434	Efficient adaptive inference for deep convolutional neural networks using hierarchical early exits. <i>Pattern Recognition</i> , 2020 , 105, 107346	7.7	10
433	Real-time phonocardiogram anomaly detection by adaptive 1D Convolutional Neural Networks. <i>Neurocomputing</i> , 2020 , 411, 291-301	5.4	13
432	Mid-price prediction based on machine learning methods with technical and quantitative indicators. <i>PLoS ONE</i> , 2020 , 15, e0234107	3.7	0
431	Human experts vs. machines in taxa recognition. <i>Signal Processing: Image Communication</i> , 2020 , 87, 1159-1173	1.8	5
430	Temporal logistic neural Bag-of-Features for financial time series forecasting leveraging limit order book data. <i>Pattern Recognition Letters</i> , 2020 , 136, 183-189	4.7	6
429	Operational neural networks. <i>Neural Computing and Applications</i> , 2020 , 32, 6645-6668	4.8	17
428	Recurrent bag-of-features for visual information analysis. <i>Pattern Recognition</i> , 2020 , 106, 107380	7.7	4

427	Towards Active Vision with UAVs in Marine Search and Rescue: Analyzing Human Detection at Variable Altitudes 2020 ,		5
426	Efficient Adaptive Inference Leveraging Bag-of-Features-based Early Exits 2020 ,		1
425	Using Deep Learning for price prediction by exploiting stationary limit order book features. <i>Applied Soft Computing Journal</i> , 2020 , 93, 106401	7.5	20
424	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 222-231	7.5	3
423	Progressive Operational Perceptrons with Memory. <i>Neurocomputing</i> , 2020 , 379, 172-181	5.4	6
422	Variance-preserving deep metric learning for content-based image retrieval. <i>Pattern Recognition Letters</i> , 2020 , 131, 8-14	4.7	6
421	Real-time throughput prediction for cognitive Wi-Fi networks. <i>Journal of Network and Computer Applications</i> , 2020 , 150, 102499	7.9	4
420	Deep Adaptive Input Normalization for Time Series Forecasting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3760-3765	10.3	19
419	Bag of Color Features for Color Constancy. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7722-7734	8.7	10
418	Automatic image-based identification and biomass estimation of invertebrates. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 922-931	7.7	27
417	. <i>IEEE Access</i> , 2020 , 8, 122013-122025	3.5	1
416	Probabilistic Color Constancy 2020 ,		1
415	Complexity Analysis Of Next-Generation VVC Encoding And Decoding 2020 ,		11
414	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. <i>IEEE Access</i> , 2020 , 8, 191617-191643	3.5	41
413	Incremental Fast Subclass Discriminant Analysis 2020 ,		1
412	Temporal Bag-of-Features Learning for Predicting Mid Price Movements Using High Frequency Limit Order Book Data. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 774-785	4.1	15
411	DR-GAN: Automatic Radial Distortion Rectification Using Conditional GAN in Real-Time. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 725-733	6.4	24
410	Heterogeneous Multilayer Generalized Operational Perceptron. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 710-724	10.3	23

409	Patient-Specific Seizure Detection Using Nonlinear Dynamics and Nullclines. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 543-555	7.2	24
408	Machine Learning for Forecasting Mid-Price Movements Using Limit Order Book Data. <i>IEEE Access</i> , 2019 , 7, 64722-64736	3.5	13
407	. <i>IEEE Access</i> , 2019 , 7, 82390-82412	3.5	16
406	A Novel UAV-Aided Network Architecture Using Wi-Fi Direct. <i>IEEE Access</i> , 2019 , 7, 67305-67318	3.5	12
405	PyGOP: A Python library for Generalized Operational Perceptron algorithms. <i>Knowledge-Based Systems</i> , 2019 , 182, 104801	7.3	6
404	Deep Temporal Logistic Bag-of-features for Forecasting High Frequency Limit Order Book Time Series 2019 ,		3
403	1-D Convolutional Neural Networks for Signal Processing Applications 2019 ,		89
402	Forecasting jump arrivals in stock prices: new attention-based network architecture using limit order book data. <i>Quantitative Finance</i> , 2019 , 19, 2033-2050	1.6	14
401	6K and 8K Effective Resolution with 4K HEVC Decoding Capability for 360 Video Streaming. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019 , 15, 1-22	3.4	2
400	Dual and Single Polarized SAR Image Classification Using Compact Convolutional Neural Networks. <i>Remote Sensing</i> , 2019 , 11, 1340	5	13
399	Color Constancy Convolutional Autoencoder 2019 ,		4
398	Less Is More: Deep Learning Using Subjective Annotations For Sentiment Analysis From Social Media 2019 ,		1
397	Performance Comparison of Learned vs. Engineered Features for Polarimetric SAR Terrain Classification 2019 ,		3
396	High-Resolution Water Segmentation for Autonomous Unmanned Surface Vehicles: a Novel Dataset and Evaluation 2019 ,		6
395	Knowledge Transfer for Face Verification Using Heterogeneous Generalized Operational Perceptrons 2019 ,		5
394	Reversible Privacy Preservation using Multi-level Encryption and Compressive Sensing 2019 ,		7
393	Adaptive Inference Using Hierarchical Convolutional Bag-of-Features for Low-Power Embedded Platforms 2019 ,		4
392	Fault Detection and Severity Identification of Ball Bearings by Online Condition Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8136-8147	8.9	51

391	Shared Coded Picture Technique for Tile-Based Viewport-Adaptive Streaming of Omnidirectional Video. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3106-3120	6.4	8
390	Temporal Attention-Augmented Bilinear Network for Financial Time-Series Data Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1407-1418	10.3	58
389	Real-Time Fault Detection and Identification for MMC Using 1-D Convolutional Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8760-8771	8.9	87
388	Generalized Multi-View Embedding for Visual Recognition and Cross-Modal Retrieval. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2542-2555	10.2	60
387	Neural class-specific regression for face verification. <i>IET Biometrics</i> , 2018 , 7, 63-70	2.9	2
386	Feature synthesis for image classification and retrieval via one-against-all perceptrons. <i>Neural Computing and Applications</i> , 2018 , 29, 943-957	4.8	3
385	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 82-95	6.6	17
384	Probabilistic saliency estimation. <i>Pattern Recognition</i> , 2018 , 74, 359-372	7.7	15
383	Predicting Jump Arrivals in Stock Prices Using Neural Networks with Limit Order Book Data. <i>SSRN Electronic Journal</i> , 2018 ,	1	2
382	Improving efficiency in convolutional neural networks with multilinear filters. <i>Neural Networks</i> , 2018 , 105, 328-339	9.1	20
381	Evaluation of Visual Object Trackers on Equirectangular Panorama 2018 ,		2
380	Learned vs. Hand-Designed Features for ECG Beat Classification: A Comprehensive Study. <i>IFMBE Proceedings</i> , 2018 , 551-554	0.2	0
379	A Data Set for Camera-Independent Color Constancy. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 530-544	8.7	12
378	Fast Motion Estimation Algorithm with Efficient Memory Access for HEVC Hardware Encoders 2018 ,		4
377	Compressively Sensed Image Recognition 2018 ,		9
376	Subspace Support Vector Data Description 2018 ,		14
375	Optimization on Ports Activation Towards Energy Efficient Data Center Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 155-166	0.9	
374	Efficient 2D Video Coding of Volumetric Video Data 2018 ,		3

373	Geometry-Guided 3D Data Interpolation for Projection-Based Dynamic Point Cloud Coding 2018 ,		2
372	Guest Editorial Special Issue on Multimedia Big Data in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3405-3407	10.7	3
371	Automatic Flower and Visitor Detection System 2018 ,		3
370	Benchmark dataset for mid-price forecasting of limit order book data with machine learning methods. <i>Journal of Forecasting</i> , 2018 , 37, 852-866	2.1	40
369	Mid-Price Prediction Based on Machine Learning Methods with Technical and Quantitative Indicators. <i>SSRN Electronic Journal</i> , 2018 ,	1	4
368	Convolutional Neural Network Based Inter-Frame Enhancement for 360-Degree Video Streaming. <i>Lecture Notes in Computer Science</i> , 2018 , 57-66	0.9	
367	Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN 2018 ,		1
366	Benchmark database for fine-grained image classification of benthic macroinvertebrates. <i>Image and Vision Computing</i> , 2018 , 78, 73-83	3.7	14
365	Extended quantum cuts for unsupervised salient object extraction. <i>Multimedia Tools and Applications</i> , 2017 , 76, 10443-10463	2.5	4
364	An effective CU size decision method for quality scalability in SHVC. <i>Multimedia Tools and Applications</i> , 2017 , 76, 8011-8030	2.5	15
363	Modeling the timing of cuts in automatic editing of concert videos. <i>Multimedia Tools and Applications</i> , 2017 , 76, 6683-6707	2.5	1
362	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1922-1933	6.4	15
361	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1727-1736	6.4	7
360	Particle swarm clustering fitness evaluation with computational centroids. <i>Swarm and Evolutionary Computation</i> , 2017 , 34, 103-118	9.8	11
359	On the comparison of random and Hebbian weights for the training of single-hidden layer feedforward neural networks. <i>Expert Systems With Applications</i> , 2017 , 83, 177-186	7.8	3
358	Row-Interleaved Sampling for Depth-Enhanced 3D Video Coding for Polarized Displays. <i>ACM Transactions on Applied Perception</i> , 2017 , 14, 1-23	1.4	
357	A k-nearest neighbor multilabel ranking algorithm with application to content-based image retrieval 2017 ,		2
356	Urban 3D segmentation and modelling from street view images and LiDAR point clouds. <i>Machine Vision and Applications</i> , 2017 , 28, 679-694	2.8	29

355	CNN-based edge filtering for object proposals. <i>Neurocomputing</i> , 2017 , 266, 631-640	5.4	11
354	Epileptic seizure detection in long-term EEG records using sparse rational decomposition and local Gabor binary patterns feature extraction. <i>Knowledge-Based Systems</i> , 2017 , 118, 228-240	7.3	60
353	The effect of automated taxa identification errors on biological indices. <i>Expert Systems With Applications</i> , 2017 , 72, 108-120	7.8	4
352	Multilinear class-specific discriminant analysis. <i>Pattern Recognition Letters</i> , 2017 , 100, 131-136	4.7	12
351	Lossless compression of subaperture images using context modeling 2017 ,		10
350	2017 ,		7
349	Forecasting Stock Prices from the Limit Order Book Using Convolutional Neural Networks 2017 ,		82
348	Multi-View Nonparametric Discriminant Analysis for Image Retrieval and Recognition. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1537-1541	3.2	13
347	Personalized Monitoring and Advance Warning System for Cardiac Arrhythmias. <i>Scientific Reports</i> , 2017 , 7, 9270	4.9	49
346	Big Media Data Analysis. <i>Signal Processing: Image Communication</i> , 2017 , 59, 105-108	2.8	2
345	Outlier edge detection using random graph generation models and applications. <i>Journal of Big Data</i> , 2017 , 4,	11.7	3
344	Progressive Operational Perceptrons. <i>Neurocomputing</i> , 2017 , 224, 142-154	5.4	18
343	Real-time vibration-based structural damage detection using one-dimensional convolutional neural networks. <i>Journal of Sound and Vibration</i> , 2017 , 388, 154-170	3.9	498
342	Learning graph affinities for spectral graph-based salient object detection. <i>Pattern Recognition</i> , 2017 , 64, 159-167	7.7	12
341	Class-Specific Kernel Discriminant Analysis Revisited: Further Analysis and Extensions. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4485-4496	10.2	9
340	Viewport-dependent delivery schemes for stereoscopic panoramic video 2017 ,		2
339	Using deep learning to detect price change indications in financial markets 2017 ,		40
338	Detection of Atrial Fibrillation in ECG Hand-held Devices Using a Random Forest Classifier 2017 ,		43

337	Subaperture image segmentation for lossless compression 2017 ,		3
336	Comparison of HEVC coding schemes for tile-based viewport-adaptive streaming of omnidirectional video 2017 ,		8
335	Time-series classification using neural Bag-of-Features 2017 ,		22
334	Tensor representation in high-frequency financial data for price change prediction 2017 ,		14
333	View upsampling optimization for mixed resolution 3D video coding. <i>Multidimensional Systems and Signal Processing</i> , 2016 , 27, 763-783	1.8	0
332	Face segmentation in thumbnail images by data-adaptive convolutional segmentation networks 2016 ,		10
331	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 1707-1719	6.6	22
330	Fisheye video coding using elastic motion compensated reference frames 2016 ,		10
329	Joint Video Stitching and Stabilization From Moving Cameras. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5491-5503	8.7	43
328	An Optimized k-NN Approach for Classification on Imbalanced Datasets with Missing Data. <i>Lecture Notes in Computer Science</i> , 2016 , 387-392	0.9	1
327	Generalized Hampel Filters. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016 , 2016,	1.9	75
326	New R-D Optimization Criterion for Fast Mode Decision Algorithms in Video Coding and Transrating. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 696-710	6.4	2
325	Analysis of High-Dimensional Phase Space via Poincaré Section for Patient-Specific Seizure Detection. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016 , 24, 386-98	4.8	69
324	Nystrom-based approximate kernel subspace learning. <i>Pattern Recognition</i> , 2016 , 57, 190-197	7.7	17
323	Multi-class Support Vector Machine classifiers using intrinsic and penalty graphs. <i>Pattern Recognition</i> , 2016 , 55, 231-246	7.7	30
322	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 1722-1733	4.2	8
321	Learning to rank salient segments extracted by multispectral Quantum Cuts. <i>Pattern Recognition Letters</i> , 2016 , 72, 91-99	4.7	2
320	Training Radial Basis Function Neural Networks for Classification via Class-Specific Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2458-2471	10.3	32

319	Real-Time Patient-Specific ECG Classification by 1-D Convolutional Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 664-75	5	790
318	View Synthesis with Kinect-Based Tracking for Motion Parallax Depth Cue on a 2D Display. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 841-851	0.4	
317	Global Scale Integral Volumes. <i>Lecture Notes in Computer Science</i> , 2016 , 192-204	0.9	
316	Scaling Up Class-Specific Kernel Discriminant Analysis for Large-Scale Face Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2453-2465	8	11
315	Real-Time Motor Fault Detection by 1-D Convolutional Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7067-7075	8.9	619
314	Learned vs. engineered features for fine-grained classification of aquatic macroinvertebrates 2016 ,		2
313	Limited random walk algorithm for big graph data clustering. <i>Journal of Big Data</i> , 2016 , 3,	11.7	15
312	Motion hints compensated prediction as a reference frame for high efficiency video coding (HEVC) 2016 ,		2
311	Comprehensive Automated 3D Urban Environment Modelling Using Terrestrial Laser Scanning Point Cloud 2016 ,		7
310	A review of approximate methods for kernel-based big media data analysis 2016 ,		2
309	HEVC-compliant Tile-based Streaming of Panoramic Video for Virtual Reality Applications 2016 ,		112
308	Graph-regularized multi-class support vector machines for face and action recognition 2016 ,		1
307	HEVC-compliant viewport-adaptive streaming of stereoscopic panoramic video 2016 ,		7
306	Prototype-based class-specific nonlinear subspace learning for large-scale face verification 2016 ,		2
305	A vector quantization based k-NN approach for large-scale image classification 2016 ,		1
304	Multi-modal subspace learning with dropout regularization for cross-modal recognition and retrieval 2016 ,		1
303	Standard-Compliant Multiview Video Coding and Streaming for Virtual Reality Applications 2016 ,		8
302	Viewport-Adaptive Encoding and Streaming of 360-Degree Video for Virtual Reality Applications 2016 ,		62

301	Automated tree detection and density calculation using unmanned aerial vehicles 2016 ,		5
300	Data Enrichment in Fine-Grained Classification of Aquatic Macroinvertebrates 2016 ,		9
299	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 2884-2894	4.2	16
298	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 139-152	6.4	16
297	Long-term epileptic EEG classification via 2D mapping and textural features. <i>Expert Systems With Applications</i> , 2015 , 42, 7175-7185	7.8	40
296	Adaptive sampling for compressed sensing based image compression. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 30, 94-105	2.7	19
295	Image Retrieval: Information and Rough Set Theories. <i>Procedia Computer Science</i> , 2015 , 54, 631-637	1.6	1
294	A Paradigm for Dynamic Adaptive Streaming over HTTP for Multi-view Video. <i>Lecture Notes in Computer Science</i> , 2015 , 410-418	0.9	5
293	On the kernel Extreme Learning Machine speedup. <i>Pattern Recognition Letters</i> , 2015 , 68, 205-210	4.7	24
292	On the design of Hopfield Neural Networks: Synthesis of hopfield type associative memories 2015 ,		5
291	Existence and Synthesis of Complex Hopfield Type Associative Memories. <i>Lecture Notes in Computer Science</i> , 2015 , 356-369	0.9	2
290	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1435-1446	6.4	9
289	Subjective quality assessment of asymmetric stereoscopic 3D video. <i>Signal, Image and Video Processing</i> , 2015 , 9, 331-345	1.6	29
288	Epileptic seizure classification of EEG time-series using rational discrete short-time fourier transform. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 541-52	5	222
287	M-PCA Binary Embedding for Approximate Nearest Neighbor Search 2015 ,		1
286	The class of generalized hampel filters 2015 ,		9
285	Object Recognition in 3D Point Cloud of Urban Street Scene. <i>Lecture Notes in Computer Science</i> , 2015 , 177-190	0.9	9
284	Constrained Directed Graph Clustering and Segmentation Propagation for Multiple Foregrounds Cosegmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1735-1748	6.4	24

283	Class-Specific Nonlinear Projections Using Class-Specific Kernel Spaces 2015 ,		5
282	Automated super-voxel based features classification of urban environments by integrating 3D point cloud and image content 2015 ,		12
281	Visual saliency by extended quantum cuts 2015 ,		14
280	Convolutional Neural Networks for patient-specific ECG classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015</i> , 2015, 2608-11	0.9	67
279	Sleep stage classification using sparse rational decomposition of single channel EEG records 2015 ,		6
278	2015 ,		4
277	Perception aware coding of stereoscopic video 2015 ,		2
276	Evaluation of Depth-Based Super Resolution on Compressed Mixed Resolution 3D Video. <i>Lecture Notes in Computer Science, 2015</i> , 227-237	0.9	
275	Linear Congruential Sequences: Feedback and Recurrent Neural Networks 2015 , 213-222		1
274	Evaluating the performance of artificial neural networks for the classification of freshwater benthic macroinvertebrates. <i>Ecological Informatics, 2014</i> , 20, 1-12	4.2	19
273	Simultaneous 2D and 3D perception for stereoscopic displays based on polarized or active shutter glasses. <i>Journal of Visual Communication and Image Representation, 2014</i> , 25, 622-631	2.7	4
272	. <i>IEEE Transactions on Multimedia, 2014</i> , 16, 917-932	6.6	19
271	2014 ,		2
270	No reference image quality metric via distortion identification and multi-channel label transfer 2014 ,		4
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16	Spatial error concealment based on directional decision and intra prediction		2
15	Sub-sequence video coding for improved temporal scalability		12
14	Nonlinear filter design: methodologies and challenges		5

13	Shape recognition based on wavelet-transform modulus maxima	2
12	Old movie restoration using rational spatial interpolators	1
11		1
10		6
9	Heart Sound Anomaly and Quality Detection using Ensemble of Neural Networks without Segmentation	45
8	Automatic Sleep Arousal Detection Using Multimodal Biosignal Analysis	2
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