

# Moncef Gabbouj

## List of Publications by Citations

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

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	Real-Time Patient-Specific ECG Classification by 1-D Convolutional Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 664-75	5	790
479	Real-Time Motor Fault Detection by 1-D Convolutional Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7067-7075	8.9	619
478	Real-time vibration-based structural damage detection using one-dimensional convolutional neural networks. <i>Journal of Sound and Vibration</i> , <b>2017</b> , 388, 154-170	3.9	498
477	Weighted median filters: a tutorial. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , <b>1996</b> , 43, 157-192		338
476	A generic and robust system for automated patient-specific classification of ECG signals. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2009</b> , 56, 1415-26	5	296
475	1D convolutional neural networks and applications: A survey. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 151, 107398	7.8	277
474	Rate adaptation for adaptive HTTP streaming <b>2011</b> ,		255
473	Epileptic seizure classification of EEG time-series using rational discrete short-time fourier transform. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2015</b> , 62, 541-52	5	222
472	Evolutionary artificial neural networks by multi-dimensional particle swarm optimization. <i>Neural Networks</i> , <b>2009</b> , 22, 1448-62	9.1	193
471	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> , <b>2021</b> , 147, 107077	7.8	181
470	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1989</b> , 37, 2037-2066		130
469	HEVC-compliant Tile-based Streaming of Panoramic Video for Virtual Reality Applications <b>2016</b> ,		112
468	. <i>IEEE Transactions on Signal Processing</i> , <b>1995</b> , 43, 591-604	4.8	110
467	. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2010</b> , 18, 912-921		104
466	The Emerging MVC Standard for 3D Video Services. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2008</b> , 2009,	1.9	103
465	1-D Convolutional Neural Networks for Signal Processing Applications <b>2019</b> ,		89
464	Real-Time Fault Detection and Identification for MMC Using 1-D Convolutional Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8760-8771	8.9	87

463	Forecasting Stock Prices from the Limit Order Book Using Convolutional Neural Networks <b>2017</b> ,		82
462	Fractional particle swarm optimization in multidimensional search space. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 298-319		79
461	Perceptual-based quality assessment for audio-visual services: A survey. <i>Signal Processing: Image Communication</i> , <b>2010</b> , 25, 482-501	2.8	78
460	Generalized Hampel Filters. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2016</b> , 2016,	1.9	75
459	. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2012</b> , 20, 806-817		73
458	An overview of median and stack filtering. <i>Circuits, Systems, and Signal Processing</i> , <b>1992</b> , 11, 7-45	2.2	70
457	Analysis of High-Dimensional Phase Space via Poincaré Section for Patient-Specific Seizure Detection. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2016</b> , 24, 386-98	4.8	69
456	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1990</b> , 38, 955-968		69
455	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</i> , <b>2015</b> , 2015, 2608-11	0.9	67
454	Center weighted median filters: Some properties and their applications in image processing. <i>Signal Processing</i> , <b>1994</b> , 35, 213-229	4.4	65
453	Minimal Topology for a Radial Basis Functions Neural Network for Pattern Classification <b>1994</b> , 4, 173-188		62
452	Viewport-Adaptive Encoding and Streaming of 360-Degree Video for Virtual Reality Applications <b>2016</b> ,		62
451	Epileptic seizure detection in long-term EEG records using sparse rational decomposition and local Gabor binary patterns feature extraction. <i>Knowledge-Based Systems</i> , <b>2017</b> , 118, 228-240	7.3	60
450	Generalized Multi-View Embedding for Visual Recognition and Cross-Modal Retrieval. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2542-2555	10.2	60
449	Multiview-video-plus-depth coding based on the advanced video coding standard. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 3449-58	8.7	58
448	Temporal Attention-Augmented Bilinear Network for Financial Time-Series Data Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1407-1418	10.3	58
447	Noise-Robust Texture Description Using Local Contrast Patterns via Global Measures. <i>IEEE Signal Processing Letters</i> , <b>2014</b> , 21, 93-96	3.2	54
446	The 2nd competition on counter measures to 2D face spoofing attacks <b>2013</b> ,		52

445	Fault Detection and Severity Identification of Ball Bearings by Online Condition Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8136-8147	8.9	51
444	Rate adaptation for dynamic adaptive streaming over HTTP in content distribution network. <i>Signal Processing: Image Communication</i> , <b>2012</b> , 27, 288-311	2.8	50
443	Personalized Monitoring and Advance Warning System for Cardiac Arrhythmias. <i>Scientific Reports</i> , <b>2017</b> , 7, 9270	4.9	49
442	Parallel image component labelling with watershed transformation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1997</b> , 19, 441-450	13.3	49
441	. <i>IEEE Transactions on Multimedia</i> , <b>2004</b> , 6, 259-267	6.6	45
440	Heart Sound Anomaly and Quality Detection using Ensemble of Neural Networks without Segmentation		45
439	Subjective study on compressed asymmetric stereoscopic video <b>2010</b> ,		44
438	Joint Video Stitching and Stabilization From Moving Cameras. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 5491-5503	8.7	43
437	Detection of Atrial Fibrillation in ECG Hand-held Devices Using a Random Forest Classifier <b>2017</b> ,		43
436	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. <i>IEEE Access</i> , <b>2020</b> , 8, 191617-191643	3.5	41
435	Long-term epileptic EEG classification via 2D mapping and textural features. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 7175-7185	7.8	40
434	Using deep learning to detect price change indications in financial markets <b>2017</b> ,		40
433	Multidimensional Particle Swarm Optimization for Machine Learning and Pattern Recognition. <i>Adaptation, Learning, and Optimization</i> , <b>2014</b> ,	0.7	40
432	Benchmark dataset for mid-price forecasting of limit order book data with machine learning methods. <i>Journal of Forecasting</i> , <b>2018</b> , 37, 852-866	2.1	40
431	Multi-dimensional particle swarm optimization in dynamic environments. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 2212-2223	7.8	39
430	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 781-795	6.4	39
429	Semi-Fuzzy Rate Controller for Variable Bit Rate Video. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 633-645	6.4	39
428	Perceptual quality assessment based on visual attention analysis <b>2009</b> ,		37

427	A generic audio classification and segmentation approach for multimedia indexing and retrieval. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2006</b> , 14, 1062-1081		36
426	Personalized long-term ECG classification: A systematic approach. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 3220-3226	7.8	35
425	Parallel Marker-Based Image Segmentation with Watershed Transformation. <i>Journal of Parallel and Distributed Computing</i> , <b>1998</b> , 51, 27-45	4.4	35
424	Teager energy and the ambiguity function. <i>IEEE Transactions on Signal Processing</i> , <b>1999</b> , 47, 260-262	4.8	34
423	Wavelet-based corner detection technique using optimal scale. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 215-220	4.7	33
422	Training Radial Basis Function Neural Networks for Classification via Class-Specific Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 2458-2471	10.3	32
421	Evaluation of global and local training techniques over feed-forward neural network architecture spaces for computer-aided medical diagnosis. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8450-8461	7.8	32
420	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 1-1	6.8	31
419	Feature selection for content-based image retrieval. <i>Signal, Image and Video Processing</i> , <b>2008</b> , 2, 241-250.	1.6	31
418	Multi-class Support Vector Machine classifiers using intrinsic and penalty graphs. <i>Pattern Recognition</i> , <b>2016</b> , 55, 231-246	7.7	30
417	Classification and retrieval on macroinvertebrate image databases. <i>Computers in Biology and Medicine</i> , <b>2011</b> , 41, 463-72	7	30
416	ECG data compression by spline approximation. <i>Signal Processing</i> , <b>1997</b> , 59, 43-59	4.4	30
415	Urban 3D segmentation and modelling from street view images and LiDAR point clouds. <i>Machine Vision and Applications</i> , <b>2017</b> , 28, 679-694	2.8	29
414	Subjective quality assessment of asymmetric stereoscopic 3D video. <i>Signal, Image and Video Processing</i> , <b>2015</b> , 9, 331-345	1.6	29
413	Automatic Object Segmentation by Quantum Cuts <b>2014</b> ,		28
412	A training framework for stack and Boolean filtering-fast optimal design procedures and robustness case study. <i>IEEE Transactions on Image Processing</i> , <b>1996</b> , 5, 809-26	8.7	28
411	. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2014</b> , 9, 309-320	8	27
410	Supervised model training for overlapping sound events based on unsupervised source separation <b>2013</b> ,		27

409	Automatic image-based identification and biomass estimation of invertebrates. <i>Methods in Ecology and Evolution</i> , <b>2020</b> , 11, 922-931	7.7	27
408	Convergence behavior and root signal sets of stack filters. <i>Circuits, Systems, and Signal Processing</i> , <b>1992</b> , 11, 171-193	2.2	26
407	Perceptual color descriptor based on spatial distribution: A top-down approach. <i>Image and Vision Computing</i> , <b>2010</b> , 28, 1309-1326	3.7	25
406	Adaptive fuzzy order statistics-rational hybrid filters for color image processing. <i>Fuzzy Sets and Systems</i> , <b>2002</b> , 128, 35-46	3.7	25
405	Vector median-rational hybrid filters for multichannel image processing. <i>IEEE Signal Processing Letters</i> , <b>1999</b> , 6, 186-190	3.2	25
404	On the kernel Extreme Learning Machine speedup. <i>Pattern Recognition Letters</i> , <b>2015</b> , 68, 205-210	4.7	24
403	Constrained Directed Graph Clustering and Segmentation Propagation for Multiple Foregrounds Cosegmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1735-1748	6.4	24
402	Quantum mechanics in computer vision: Automatic object extraction <b>2013</b> ,		24
401	. <i>IEEE Transactions on Multimedia</i> , <b>2007</b> , 9, 102-119	6.6	24
400	DR-GAN: Automatic Radial Distortion Rectification Using Conditional GAN in Real-Time. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 725-733	6.4	24
399	Patient-Specific Seizure Detection Using Nonlinear Dynamics and Nullclines. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 543-555	7.2	24
398	Convolutional Sparse Support Estimator-Based COVID-19 Recognition From X-Ray Images. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1810-1820	10.3	23
397	Heterogeneous Multilayer Generalized Operational Perceptron. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 710-724	10.3	23
396	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 1707-1719	6.6	22
395	Time-series classification using neural Bag-of-Features <b>2017</b> ,		22
394	Automatic object extraction over multiscale edge field for multimedia retrieval. <i>IEEE Transactions on Image Processing</i> , <b>2006</b> , 15, 3759-72	8.7	22
393	. <i>IEEE Transactions on Circuits and Systems</i> , <b>1991</b> , 38, 1003-1020		22
392	Parallel Adaptive HTTP Media Streaming <b>2011</b> ,		21

391	Weighted medians for positive Boolean functions conversion algorithms. <i>Signal Processing</i> , <b>1993</b> , 34, 149-164	4.1	21
390	Improving efficiency in convolutional neural networks with multilinear filters. <i>Neural Networks</i> , <b>2018</b> , 105, 328-339	9.1	20
389	Evolutionary RBF classifier for polarimetric SAR images. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 4710-4717	7.8	20
388	Complexity analysis of next-generation HEVC decoder <b>2012</b> ,		20
387	Using Deep Learning for price prediction by exploiting stationary limit order book features. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 93, 106401	7.5	20
386	Adaptive sampling for compressed sensing based image compression. <i>Journal of Visual Communication and Image Representation</i> , <b>2015</b> , 30, 94-105	2.7	19
385	Evaluating the performance of artificial neural networks for the classification of freshwater benthic macroinvertebrates. <i>Ecological Informatics</i> , <b>2014</b> , 20, 1-12	4.2	19
384	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 917-932	6.6	19
383	Sparse/DCT (S/DCT) two-layered representation of prediction residuals for video coding. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 2711-22	8.7	19
382	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 1455-1464	6.6	19
381	Deep Adaptive Input Normalization for Time Series Forecasting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 3760-3765	10.3	19
380	Progressive Operational Perceptrons. <i>Neurocomputing</i> , <b>2017</b> , 224, 142-154	5.4	18
379	Operational neural networks. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 6645-6668	4.8	17
378	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 82-95	6.6	17
377	Nystrom-based approximate kernel subspace learning. <i>Pattern Recognition</i> , <b>2016</b> , 57, 190-197	7.7	17
376	The 2013 face recognition evaluation in mobile environment <b>2013</b> ,		17
375	Video Coding With Low-Complexity Directional Adaptive Interpolation Filters. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 1239-1243	6.4	17
374	. <i>IEEE Access</i> , <b>2019</b> , 7, 82390-82412	3.5	16

373	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 139-152	6.4	16
372	Parallel watershed transformation algorithms for image segmentation. <i>Parallel Computing</i> , <b>1998</b> , 24, 1981-2001	1	16
371	Low-complexity asymmetric multiview video coding <b>2008</b> ,		16
370	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 2884-2894	4.2	16
369	An effective CU size decision method for quality scalability in SHVC. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 8011-8030	2.5	15
368	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 1922-1933	6.4	15
367	Probabilistic saliency estimation. <i>Pattern Recognition</i> , <b>2018</b> , 74, 359-372	7.7	15
366	Segment duration for rate adaptation of adaptive HTTP streaming <b>2011</b> ,		15
365	. <i>IEEE Transactions on Broadcasting</i> , <b>2007</b> , 53, 320-328	4.7	15
364	COVID-19 infection map generation and detection from chest X-ray images. <i>Health Information Science and Systems</i> , <b>2021</b> , 9, 15	5.1	15
363	Limited random walk algorithm for big graph data clustering. <i>Journal of Big Data</i> , <b>2016</b> , 3,	11.7	15
362	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> , <b>2020</b> , 4, 774-785	4.1	15
361	Forecasting jump arrivals in stock prices: new attention-based network architecture using limit order book data. <i>Quantitative Finance</i> , <b>2019</b> , 19, 2033-2050	1.6	14
360	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 1786-1799	6.6	14
359	Tensor representation in high-frequency financial data for price change prediction <b>2017</b> ,		14
358	Visual saliency by extended quantum cuts <b>2015</b> ,		14
357	Semi-Supervised Learning for Ill-Posed Polarimetric SAR Classification. <i>Remote Sensing</i> , <b>2014</b> , 6, 4801-4830	3.0	14
356	Nonlinear Depth Map Resampling for Depth-Enhanced 3-D Video Coding. <i>IEEE Signal Processing Letters</i> , <b>2013</b> , 20, 87-90	3.2	14



355	Fundamentals of technology diffusion and mobile phone case study. <i>Circuits, Systems, and Signal Processing</i> , <b>1998</b> , 17, 421-448	2.2	14
354	Automated patient-specific classification of premature ventricular contractions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 5474-7	0.9	14
353	Subspace Support Vector Data Description <b>2018</b> ,		14
352	Benchmark database for fine-grained image classification of benthic macroinvertebrates. <i>Image and Vision Computing</i> , <b>2018</b> , 78, 73-83	3.7	14
351	Machine Learning for Forecasting Mid-Price Movements Using Limit Order Book Data. <i>IEEE Access</i> , <b>2019</b> , 7, 64722-64736	3.5	13
350	Real-time phonocardiogram anomaly detection by adaptive 1D Convolutional Neural Networks. <i>Neurocomputing</i> , <b>2020</b> , 411, 291-301	5.4	13
349	Dual and Single Polarized SAR Image Classification Using Compact Convolutional Neural Networks. <i>Remote Sensing</i> , <b>2019</b> , 11, 1340	5	13
348	Multi-View Nonparametric Discriminant Analysis for Image Retrieval and Recognition. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1537-1541	3.2	13
347	Collective Network of Binary Classifier Framework for Polarimetric SAR Image Classification: An Evolutionary Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2012</b> , 42, 1169-86		13
346	Video transmission over IEEE 802.11p: Real-world measurements <b>2013</b> ,		13
345	Video Coding Using Spatially Varying Transform. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2011</b> , 21, 127-140	6.4	13
344	High-resolution digital resampling using vector rational filters. <i>Optical Engineering</i> , <b>1999</b> , 38, 893	1.1	13
343	. <i>IEEE Transactions on Signal Processing</i> , <b>1991</b> , 39, 2419-2424	4.8	13
342	Multilinear class-specific discriminant analysis. <i>Pattern Recognition Letters</i> , <b>2017</b> , 100, 131-136	4.7	12
341	A Novel UAV-Aided Network Architecture Using Wi-Fi Direct. <i>IEEE Access</i> , <b>2019</b> , 7, 67305-67318	3.5	12
340	An Efficient Adaptive Binary Arithmetic Coder With Low Memory Requirement. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2013</b> , 7, 1053-1061	7.5	12
339	Learning graph affinities for spectral graph-based salient object detection. <i>Pattern Recognition</i> , <b>2017</b> , 64, 159-167	7.7	12
338	Automated super-voxel based features classification of urban environments by integrating 3D point cloud and image content <b>2015</b> ,		12

337	On application of rational Discrete Short Time Fourier Transform in epileptic seizure classification <b>2014,</b>		12
336	Impact of downsampling ratio in mixed-resolution stereoscopic video <b>2010,</b>		12
335	MUVIS: a content-based multimedia indexing and retrieval framework <b>2003,</b>		12
334	Sub-sequence video coding for improved temporal scalability		12
333	Order statistics learning vector quantizer. <i>IEEE Transactions on Image Processing</i> , <b>1996</b> , 5, 1048-53	8.7	12
332	Implementation of a Distributed Watershed Algorithm. <i>Computational Imaging and Vision</i> , <b>1994</b> , 281-288		12
331	A Data Set for Camera-Independent Color Constancy. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 530-544	8.7	12
330	Particle swarm clustering fitness evaluation with computational centroids. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 34, 103-118	9.8	11
329	CNN-based edge filtering for object proposals. <i>Neurocomputing</i> , <b>2017</b> , 266, 631-640	5.4	11
328	Network of evolutionary binary classifiers for classification and retrieval in macroinvertebrate databases <b>2010,</b>		11
327	Statistical Time-Frequency Multiplexing of HD Video Traffic in DVB-T2. <i>International Journal of Digital Multimedia Broadcasting</i> , <b>2009</b> , 2009, 1-12	0.8	11
326	Local linear transformation for voice conversion <b>2012,</b>		11
325	Coding techniques in Multiview Video Coding and Joint Multiview Video Model <b>2009,</b>		11
324	Complexity Analysis Of Next-Generation VVC Encoding And Decoding <b>2020,</b>		11
323	Scaling Up Class-Specific Kernel Discriminant Analysis for Large-Scale Face Verification. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 2453-2465	8	11
322	Efficient adaptive inference for deep convolutional neural networks using hierarchical early exits. <i>Pattern Recognition</i> , <b>2020</b> , 105, 107346	7.7	10
321	Lossless compression of subaperture images using context modeling <b>2017,</b>		10
320	Face segmentation in thumbnail images by data-adaptive convolutional segmentation networks <b>2016,</b>		10

319	Fisheye video coding using elastic motion compensated reference frames <b>2016</b> ,		10
318	LDPC FEC Code Extension for Unequal Error Protection in DVB-T2 System: Design and Evaluation. <i>International Journal of Digital Multimedia Broadcasting</i> , <b>2012</b> , 2012, 1-11	0.8	10
317	Regionally adaptive filtering for asymmetric stereoscopic video coding <b>2009</b> ,		10
316	Analysis of two-dimensional center weighted median filters. <i>Multidimensional Systems and Signal Processing</i> , <b>1995</b> , 6, 159-172	1.8	10
315	Fast algorithms for analyzing and designing weighted median filters. <i>Signal Processing</i> , <b>1995</b> , 41, 135-152	4.4	10
314	Bag of Color Features for Color Constancy. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 7722-7734	8.7	10
313	Self-organized operational neural networks for severe image restoration problems. <i>Neural Networks</i> , <b>2021</b> , 135, 201-211	9.1	10
312	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1435-1446	6.4	9
311	Adaptive reweighted compressed sensing for image compression <b>2014</b> ,		9
310	Class-Specific Kernel Discriminant Analysis Revisited: Further Analysis and Extensions. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 4485-4496	10.2	9
309	The class of generalized hampel filters <b>2015</b> ,		9
308	Object Recognition in 3D Point Cloud of Urban Street Scene. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 177-190	0.9	9
307	Multimodal extraction of events and of information about the recording activity in user generated videos. <i>Multimedia Tools and Applications</i> , <b>2014</b> , 70, 119-158	2.5	9
306	<b>2010</b> ,		9
305	LSF mapping for voice conversion with very small training sets. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	9
304	An Ordinal Co-occurrence Matrix Framework for Texture Retrieval. <i>Eurasip Journal on Image and Video Processing</i> , <b>2007</b> , 2007, 1-15	2.5	9
303	Fast watershed algorithms: analysis and extensions <b>1994</b> , 2180, 209		9
302	Classification of polarimetric SAR images using compact convolutional neural networks. <i>GIScience and Remote Sensing</i> , <b>2021</b> , 58, 28-47	4.8	9

301	Data Enrichment in Fine-Grained Classification of Aquatic Macroinvertebrates <b>2016,</b>		9
300	Compressively Sensed Image Recognition <b>2018,</b>		9
299	. <i>IEEE Access</i> , <b>2021</b> , 9, 41052-41065	3.5	9
298	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 1722-1733	4.2	8
297	Comparison of HEVC coding schemes for tile-based viewport-adaptive streaming of omnidirectional video <b>2017,</b>		8
296	Zero-Quantized Inter DCT Coefficient Prediction for Real-Time Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 249-259	6.4	8
295	An evolutionary feature synthesis approach for content-based audio retrieval. <i>Eurasip Journal on Audio, Speech, and Music Processing</i> , <b>2012</b> , 2012,	2.3	8
294	Multimodal Event Detection in User Generated Videos <b>2011,</b>		8
293	On the impact of alignment on voice conversion performance		8
292	Standard-Compliant Multiview Video Coding and Streaming for Virtual Reality Applications <b>2016,</b>		8
291	Shared Coded Picture Technique for Tile-Based Viewport-Adaptive Streaming of Omnidirectional Video. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3106-3120	6.4	8
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285	Optimal Channel Changing Delay for Mobile TV Over DVB-H <b>2007,</b>		7
284	Delay Constrained Fuzzy Rate Control for Video Streaming over DVB-H <b>2006,</b>		7

283	Video Encoding and Splicing for Tune-in Time Reduction in IP Datacasting (IPDC) Over DVB-H <b>2006</b> ,		7
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278	Comprehensive Automated 3D Urban Environment Modelling Using Terrestrial Laser Scanning Point Cloud <b>2016</b> ,		7
277	HEVC-compliant viewport-adaptive streaming of stereoscopic panoramic video <b>2016</b> ,		7
276	Reversible Privacy Preservation using Multi-level Encryption and Compressive Sensing <b>2019</b> ,		7
275	Self-organized Operational Neural Networks with Generative Neurons. <i>Neural Networks</i> , <b>2021</b> , 140, 294-308		7
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272	Sleep stage classification using sparse rational decomposition of single channel EEG records <b>2015</b> ,		6
271	Coding of mixed-resolution multiview video in 3D video application <b>2013</b> ,		6
270	Neighborhood matching for object recognition algorithms based on local image features <b>2011</b> ,		6
269	Improving image quality assessment with modeling visual attention <b>2010</b> ,		6
268	Video coding using Variable Block-Size Spatially Varying Transforms <b>2009</b> ,		6
267	Dynamic feature weights with relevance feedback in content-based image retrieval <b>2009</b> ,		6
266	Picture-level adaptive filter for asymmetric stereoscopic video <b>2008</b> ,		6

265	Parallel Encoding - Decoding Operation for Multiview Video Coding with High Coding Efficiency <b>2007</b> ,		6
264	Analyzed rate distortion model in standard video codecs for rate control		6
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239	Nonlinear filter design: methodologies and challenges	5
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232	Automated tree detection and density calculation using unmanned aerial vehicles <b>2016</b> ,	5
231	Knowledge Transfer for Face Verification Using Heterogeneous Generalized Operational Perceptrons <b>2019</b> ,	5
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217	Advanced Rate Adaption for Unicast Streaming of Scalable Video <b>2010</b> ,		4
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201	An Efficient Image Retrieval Scheme on Java Enabled Mobile Devices <b>2005</b> ,		4
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174	View synthesis quality mapping for depth-based super resolution on mixed resolution 3D video <b>2014,</b>		3
173	<b>2012,</b>		3
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169	Multi-dimensional evolutionary feature synthesis for content-based image retrieval <b>2011,</b>		3
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148	Neural class-specific regression for face verification. <i>IET Biometrics</i> , <b>2018</b> , 7, 63-70	2.9	2
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141	Flexible Coding Order for 3D video extension of H.265/HEVC <b>2013</b> ,		2
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126	Unsupervised design of Artificial Neural Networks via multi-dimensional Particle Swarm Optimization <b>2008</b> ,		2
125	Seamless handover for mobile TV over DVB-H applications <b>2008</b> ,		2
124	An efficient approach for boundary based corner detection by maximizing bending ratio and curvature <b>2007</b> ,		2
123	A Shot Clustering Based Algorithm for Scene Segmentation <b>2007</b> ,		2
122	Optimal IP Packet Size for Efficient Data Transmission in DVB-H <b>2006</b> ,		2

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107	Evaluation of Visual Object Trackers on Equirectangular Panorama <b>2018</b> ,		2
106	Nonlinear Digital Filtering with Python		2
105	Audio-Visual Multimedia Retrieval on Mobile Devices. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 203-225.8		2
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102	Motion hints compensated prediction as a reference frame for high efficiency video coding (HEVC) <b>2016,</b>		2
101	A review of approximate methods for kernel-based big media data analysis <b>2016,</b>		2
100	Prototype-based class-specific nonlinear subspace learning for large-scale face verification <b>2016,</b>		2
99	Speed-up and multi-view extensions to subclass discriminant analysis. <i>Pattern Recognition</i> , <b>2021</b> , 111, 107660	7.7	2
98	Saliency-Based Multilabel Linear Discriminant Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
97	INTEL-TAU: A Color Constancy Dataset. <i>IEEE Access</i> , <b>2021</b> , 9, 39560-39567	3.5	2
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88	Evaluation of detailed modeling of the LP residual in statistical speech synthesis <b>2013,</b>		1
87	Efficient video resolution adaptation using scalable H.265/HEVC <b>2013,</b>		1
86	M-PCA Binary Embedding for Approximate Nearest Neighbor Search <b>2015,</b>		1

85	Evolutionary feature synthesis by multi-dimensional particle swarm optimization <b>2014,</b>		1
84	Row-interleaved sampling for stereoscopic video coding targeting polarized displays <b>2014,</b>		1
83	Joint depth and texture filtering targeting MVD compression <b>2014,</b>		1
82	Backward compatible enhancement of chroma format in HEVC <b>2014,</b>		1
81	Adaptive Spatial Resolution Selection for Stereoscopic Video Compression with MV-HEVC: A Frequency Based Approach <b>2014,</b>		1
80	Tut MUVIS image retrieval system proposal for MSR-Bing challenge 2014 <b>2014,</b>		1
79	Improved weighted prediction based color gamut scalability in SHVC <b>2014,</b>		1
78	Texture denoising utilized in depth-enhanced multiview video coding <b>2012,</b>		1
77	Cross-asymmetric mixed-resolution 3D video compression <b>2012,</b>		1
76	Unpaired Multiview Video plus Depth compression <b>2013,</b>		1
75	Rendering stereoscopic video for simultaneous 2D and 3D presentation <b>2013,</b>		1
74	Reduced-complexity binary search for Doppler estimation in GNSS receivers <b>2013,</b>		1
73	A region-dependent image matching method for image and video annotation <b>2011,</b>		1
72	Cross-Layer Optimization of DVB-T2 System for Mobile Services. <i>International Journal of Digital Multimedia Broadcasting</i> , <b>2010</b> , 2010, 1-13	0.8	1
71	Congestion-aware transmission rate control using Medium Grain Scalability of Scalable Video Coding <b>2010,</b>		1
70	Multi-form hierarchical representation of image categories for browsing and retrieval <b>2010,</b>		1
69	Content-based audio classification using collective network of binary classifiers <b>2011,</b>		1
68	Coding method for embedding audio in video stream <b>2011,</b>		1



67	Prediction of discrete cosine transformed coefficients in resized pixel blocks <b>2011,</b>		1
66	Study of asymmetric quality between coded views in depth-enhanced multiview video coding <b>2011,</b>		1
65	Lossless audio hiding method for synchronous audio-video coding <b>2011,</b>		1
64	An efficient multiplication-free and look-up table-free adaptive binary arithmetic coder <b>2012,</b>		1
63	Stochastic approximation driven Particle Swarm Optimization <b>2009,</b>		1
62	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2009</b> , 55, 257-263	4.8	1
61	System profiles in content-based image indexing and retrieval. <i>Signal, Image and Video Processing</i> , <b>2010</b> , 4, 463-480	1.6	1
60	Fuzzy Joint Encoding and Statistical Multiplexing of Multiple Video Sources with Independent Quality of Services for Streaming over DVB-H <b>2007,</b>		1
59	An accurate semi-automatic segmentation scheme based on watershed and change detection mask <b>2005</b> , 5685, 479		1
58	Old movie restoration using rational spatial interpolators		1
57	Image restoration by multistage adaptive center weighted median filters <b>1994,</b>		1
56	<b>1991,</b>		1
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54	Root-signal sets of morphological filters and their use in variable-length BTC image coding. <i>Journal of Mathematical Imaging and Vision</i> , <b>1992</b> , 2, 155-171	1.6	1
53	Efficient Adaptive Inference Leveraging Bag-of-Features-based Early Exits <b>2020,</b>		1
52	. <i>IEEE Access</i> , <b>2021</b> , 9, 139260-139270	3.5	1
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43	A vector quantization based k-NN approach for large-scale image classification <b>2016</b> ,		1
42	Multi-modal subspace learning with dropout regularization for cross-modal recognition and retrieval <b>2016</b> ,		1
41	Less Is More: Deep Learning Using Subjective Annotations For Sentiment Analysis From Social Media <b>2019</b> ,		1
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25	. <i>IEEE Transactions on Broadcasting</i> , <b>2011</b> , 57, 231-245	4.7	
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