

Sam Tak Wu Kwong

List of Publications by Citations

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49
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94
g-index

462
ext. papers

14,525
ext. citations

5.8
avg, IF

7.08
L-index

#	Paper	IF	Citations
4 ¹⁷	Gbest-guided artificial bee colony algorithm for numerical function optimization. <i>Applied Mathematics and Computation</i> , 2010 , 217, 3166-3173	2.7	810
4 ¹⁶	Genetic algorithms: concepts and applications [in engineering design]. <i>IEEE Transactions on Industrial Electronics</i> , 1996 , 43, 519-534	8.9	666
4 ¹⁵	An Evolutionary Many-Objective Optimization Algorithm Based on Dominance and Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 694-716	15.6	650
4 ¹⁴	Genetic algorithms and their applications. <i>IEEE Signal Processing Magazine</i> , 1996 , 13, 22-37	9.4	500
4 ¹³	Efficient Motion and Disparity Estimation Optimization for Low Complexity Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2015 , 61, 166-176	4.7	289
4 ¹²	An Underwater Image Enhancement Benchmark Dataset and Beyond. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	242
4 ¹¹	Adaptive Operator Selection With Bandits for a Multiobjective Evolutionary Algorithm Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 114-130	15.6	236
4 ¹⁰	Stable Matching-Based Selection in Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 909-923	15.6	233
4 ⁰⁹	. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 757-765	8.9	221
4 ⁰⁸	Fast Motion Estimation Based on Content Property for Low-Complexity H.265/HEVC Encoder. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 675-684	4.7	173
4 ⁰⁷	Genetic-fuzzy rule mining approach and evaluation of feature selection techniques for anomaly intrusion detection. <i>Pattern Recognition</i> , 2007 , 40, 2373-2391	7.7	149
4 ⁰⁶	Machine learning-based coding unit depth decisions for flexible complexity allocation in high efficiency video coding. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2225-38	8.7	143
4 ⁰⁵	Multi-objective hierarchical genetic algorithm for interpretable fuzzy rule-based knowledge extraction. <i>Fuzzy Sets and Systems</i> , 2005 , 149, 149-186	3.7	132
4 ⁰⁴	G-MS2F: GoogLeNet based multi-stage feature fusion of deep CNN for scene recognition. <i>Neurocomputing</i> , 2017 , 225, 188-197	5.4	121
4 ⁰³	Unsupervised feature selection using clustering ensembles and population based incremental learning algorithm. <i>Pattern Recognition</i> , 2008 , 41, 2742-2756	7.7	110
4 ⁰²	Coevolutionary Particle Swarm Optimization With Bottleneck Objective Learning Strategy for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 587-602	15.6	109
4 ⁰¹	Interrelationship-Based Selection for Decomposition Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2076-88	10.2	100

400	A real-coding jumping gene genetic algorithm (RJGGA) for multiobjective optimization. <i>Information Sciences</i> , 2007 , 177, 632-654	7.7	93
399	Nested Network With Two-Stream Pyramid for Salient Object Detection in Optical Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 9156-9166	8.1	88
398	Early MERGE Mode Decision Based on Motion Estimation and Hierarchical Depth Correlation for HEVC. <i>IEEE Transactions on Broadcasting</i> , 2014 , 60, 405-412	4.7	86
397	Rate-Distortion Optimization of Rate Control for H.264 With Adaptive Initial Quantization Parameter Determination. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 140-144	6.4	84
396	Automatic Niching Differential Evolution With Contour Prediction Approach for Multimodal Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 114-128	15.6	84
395	Fast reference frame selection based on content similarity for low complexity HEVC encoder. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 40, 516-524	2.7	83
394	Achieving balance between proximity and diversity in multi-objective evolutionary algorithm. <i>Information Sciences</i> , 2012 , 182, 220-242	7.7	82
393	An Effective Method for Detecting Double JPEG Compression With the Same Quantization Matrix. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 1933-1942	8	80
392	Going From RGB to RGBD Saliency: A Depth-Guided Transformation Model. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3627-3639	10.2	80
391	Design and optimization of IIR filter structure using hierarchical genetic algorithms. <i>IEEE Transactions on Industrial Electronics</i> , 1998 , 45, 481-487	8.9	78
390	Dual-Strategy Differential Evolution With Affinity Propagation Clustering for Multimodal Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 894-908	15.6	76
389	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 88-100	10.2	76
388	Incorporating Diversity and Informativeness in Multiple-Instance Active Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1460-1475	8.3	75
387	Minimal fuzzy memberships and rules using hierarchical genetic algorithms. <i>IEEE Transactions on Industrial Electronics</i> , 1998 , 45, 162-169	8.9	71
386	A noise-detection based AdaBoost algorithm for mislabeled data. <i>Pattern Recognition</i> , 2012 , 45, 4451-4465	4.7	68
385	Agent-based evolutionary approach for interpretable rule-based knowledge extraction. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 143-155		65
384	Nonnegative matrix factorization with mixed hypergraph regularization for community detection. <i>Information Sciences</i> , 2018 , 435, 263-281	7.7	64
383	A Jumping Gene Paradigm for Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 143-159	15.6	64

382	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 882-888	6.6	61
381	Optimisation of HMM topology and its model parameters by genetic algorithms. <i>Pattern Recognition</i> , 2001 , 34, 509-522	7.7	60
380	VideoSet: A large-scale compressed video quality dataset based on JND measurement. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 46, 292-302	2.7	59
379	Dense Attention Fluid Network for Salient Object Detection in Optical Remote Sensing Images. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 1305-1317	8.7	58
378	Subjective and Objective Video Quality Assessment of 3D Synthesized Views With Texture/Depth Compression Distortion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4847-61	8.7	56
377	Evidence-theory-based numerical algorithms of attribute reduction with neighborhood-covering rough sets. <i>International Journal of Approximate Reasoning</i> , 2014 , 55, 908-923	3.6	56
376	Fast Intra Prediction Based on Content Property Analysis for Low Complexity HEVC-Based Screen Content Coding. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 48-58	4.7	54
375	A compression algorithm for DNA sequences. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001 , 20, 61-6		54
374	Adaptive Granularity Learning Distributed Particle Swarm Optimization for Large-Scale Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1175-1188	10.2	53
373	Binary and Multi-Class Learning Based Low Complexity Optimization for HEVC Encoding. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 547-561	4.7	52
372	Segment Based Decision Tree Induction With Continuous Valued Attributes. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1262-75	10.2	52
371	Particle swarm optimization based on intermediate disturbance strategy algorithm and its application in multi-threshold image segmentation. <i>Information Sciences</i> , 2013 , 250, 82-112	7.7	51
370	An algorithm for removable visible watermarking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 129-133	6.4	51
369	Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3343-3357	10.2	51
368	Hilbert-Huang transform for analysis of heart rate variability in cardiac health. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011 , 8, 1557-67	3	48
367	Cooperative Coevolutionary Bare-Bones Particle Swarm Optimization With Function Independent Decomposition for Large-Scale Supply Chain Network Design With Uncertainties. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4454-4468	10.2	48
366	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013 , 7, 1135-1144	7.5	46
365	Regional bit allocation and rate distortion optimization for multiview depth video coding with view synthesis distortion model. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 3497-512	8.7	45

364	Consensus unsupervised feature ranking from multiple views. <i>Pattern Recognition Letters</i> , 2008 , 29, 595-602	4.7	45
363	Bayesian classifiers based on probability density estimation and their applications to simultaneous fault diagnosis. <i>Information Sciences</i> , 2014 , 259, 252-268	7.7	44
362	. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 2044-2054	11.9	44
361	Rate Control Optimization for Temporal-Layer Scalable Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1152-1162	6.4	44
360	Wavelet domain adaptive visible watermarking. <i>Electronics Letters</i> , 2001 , 37, 1219	1.1	44
359	Learning to Decompose: A Paradigm for Decomposition-Based Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 376-390	15.6	43
358	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2010 , 46, 1477-1484	3.7	43
357	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 728-735	6.6	43
356	A Jumping-Genes Paradigm for Optimizing Factory WLAN Network. <i>IEEE Transactions on Industrial Informatics</i> , 2007 , 3, 33-43	11.9	41
355	Set-Based Discrete Particle Swarm Optimization Based on Decomposition for Permutation-Based Multiobjective Combinatorial Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2139-2153	10.2	41
354	Matching-Based Selection With Incomplete Lists for Decomposition Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 554-568	15.6	40
353	Effective Data Driven Coding Unit Size Decision Approaches for HEVC INTRA Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 3208-3222	6.4	40
352	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 988-999	6.6	40
351	Distributed Cooperative Co-Evolution With Adaptive Computing Resource Allocation for Large Scale Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 188-202	15.6	40
350	An Improved Artificial Bee Colony Algorithm With its Application. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1853-1865	11.9	39
349	Efficient prediction algorithm of integer DCT coefficients for H.264/AVC optimization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 547-552	6.4	37
348	Wireless communication network design in IC factory. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 452-459	8.9	37
347	Evolutionary Many-Objective Optimization Based on Adversarial Decomposition. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 753-764	10.2	37

346	A dual-population paradigm for evolutionary multiobjective optimization. <i>Information Sciences</i> , 2015 , 309, 50-72	7.7	36
345	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1492-1504	11.9	36
344	Light Field Spatial Super-Resolution via Deep Combinatorial Geometry Embedding and Structural Consistency Regularization 2020 ,		36
343	An efficient image segmentation method based on a hybrid particle swarm algorithm with learning strategy. <i>Information Sciences</i> , 2016 , 369, 500-521	7.7	35
342	Resampling-based selective clustering ensembles. <i>Pattern Recognition Letters</i> , 2009 , 30, 298-305	4.7	35
341	Using genetic algorithms to design mesh networks. <i>Computer</i> , 1997 , 30, 56-61	1.6	35
340	A Jumping Gene Algorithm for Multiobjective Resource Management in Wideband CDMA Systems. <i>Computer Journal</i> , 2005 , 48, 749-768	1.3	35
339	TaxiRec: Recommending Road Clusters to Taxi Drivers Using Ranking-Based Extreme Learning Machines. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 585-598	4.2	34
338	A Novel Distortion Model and Lagrangian Multiplier for Depth Maps Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 443-451	6.4	34
337	Considering binocular spatial sensitivity in stereoscopic image quality assessment 2011 ,		34
336	Pairwise Constraint Propagation-Induced Symmetric Nonnegative Matrix Factorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 6348-6361	10.3	34
335	Geometrical interpretation and applications of membership functions with fuzzy rough sets. <i>Fuzzy Sets and Systems</i> , 2012 , 193, 122-135	3.7	33
334	Deep Learning based Picture-Wise Just Noticeable Distortion Prediction Model for Image Compression. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	33
333	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 139-153	6.4	32
332	Neural Network-Based Information Transfer for Dynamic Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1557-1570	10.3	32
331	Fast Mode Decision Based on Mode Adaptation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 697-705	6.4	31
330	Joint Machine Learning and Game Theory for Rate Control in High Efficiency Video Coding. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 6074-6089	8.7	30
329	To combine steady-state genetic algorithm and ensemble learning for data clustering. <i>Pattern Recognition Letters</i> , 2008 , 29, 1416-1423	4.7	30

328	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1921-1933	6.6	29
327	Efficient In-loop Filtering Based on Enhanced Deep Convolutional Neural Networks for HEVC. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	29
326	Estimation of Two-Dimensional Frequencies Using Modified Matrix Pencil Method. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 718-724	4.8	29
325	An Adaptive Estimation of Distribution Algorithm for Multipolicy Insurance Investment Planning. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 1-14	15.6	29
324	Class-specific soft voting based multiple extreme learning machines ensemble. <i>Neurocomputing</i> , 2015 , 149, 275-284	5.4	28
323	A Multi-Objective Ant Colony System Algorithm for Airline Crew Rostering Problem With Fairness and Satisfaction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-15	6.1	28
322	Fuzzy SVM-Based Coding Unit Decision in HEVC. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 681-694	4.7	28
321	Window-level rate control for smooth picture quality and smooth buffer occupancy. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 723-34	8.7	28
320	Genetic algorithm to production planning and scheduling problems for manufacturing systems. <i>Production Planning and Control</i> , 2000 , 11, 443-458	4.3	28
319	Statistical Early Termination Model for Fast Mode Decision and Reference Frame Selection in Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2012 , 58, 10-23	4.7	27
318	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 2134-2146	6.6	27
317	A Distributed Swarm Optimizer With Adaptive Communication for Large-Scale Optimization. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3393-3408	10.2	27
316	Ambiguity-Based Multiclass Active Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 242-248	8.3	26
315	Fast Mode Decision Using Inter-View and Inter-Component Correlations for Multiview Depth Video Coding. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 978-986	11.9	26
314	Novel Rate-Quantization Model-Based Rate Control With Adaptive Initialization for Spatial Scalable Video Coding. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 1673-1684	8.9	26
313	Learning paradigm based on jumping genes: A general framework for enhancing exploration in evolutionary multiobjective optimization. <i>Information Sciences</i> , 2013 , 226, 1-22	7.7	26
312	Ant Colony Clustering and Feature Extraction for Anomaly Intrusion Detection. <i>Studies in Computational Intelligence</i> , 2006 , 101-123	0.8	26
311	A Two-Phase Evolutionary Approach for Compressive Sensing Reconstruction. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2651-2663	10.2	25

310	Quaternion representation based visual saliency for stereoscopic image quality assessment. <i>Signal Processing</i> , 2018 , 145, 202-213	4.4	25
309	Inconsistency-based active learning for support vector machines. <i>Pattern Recognition</i> , 2012 , 45, 3751-3767		25
308	Fuzzy-Rough-Set-Based Active Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1699-1704	8.3	25
307	A Virtual View PSNR Estimation Method for 3-D Videos. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 1341-1349	4.7	24
306	HEVC intra mode selection based on Rate Distortion (RD) cost and Sum of Absolute Difference (SAD). <i>Journal of Visual Communication and Image Representation</i> , 2016 , 35, 112-119	2.7	24
305	Machine learning based video coding optimizations: A survey. <i>Information Sciences</i> , 2020 , 506, 395-423	7.7	24
304	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1844-1855	6.4	23
303	Efficient multiview depth coding optimization based on allowable depth distortion in view synthesis. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4879-92	8.7	23
302	H.264/SVC mode decision based on optimal stopping theory. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2607-18	8.7	23
301	Learning Light Field Angular Super-Resolution via a Geometry-Aware Network. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 11141-11148	5	23
300	Semi-Supervised Spectral Clustering With Structured Sparsity Regularization. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 403-407	3.2	22
299	Efficient Multi-Reference Frame Selection Algorithm for Hierarchical B Pictures in Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2011 , 57, 15-23	4.7	22
298	Learning assignment order of instances for the constrained K-means clustering algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 568-74		22
297	A genetic classification method for speaker recognition. <i>Engineering Applications of Artificial Intelligence</i> , 2005 , 18, 13-19	7.2	22
296	Semi-Supervised Non-Negative Matrix Factorization With Dissimilarity and Similarity Regularization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2510-2521	10.3	21
295	Dynamic Cooperative Coevolution for Large Scale Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 935-948	15.6	21
294	Compressed image quality metric based on perceptually weighted distortion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5594-608	8.7	21
293	. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2020 , 6, 6-13	1.6	21

292	Active learning with multi-criteria decision making systems. <i>Pattern Recognition</i> , 2014 , 47, 3106-3119	7.7	21
291	A study on random weights between input and hidden layers in extreme learning machine. <i>Soft Computing</i> , 2012 , 16, 1465-1475	3.5	21
290	Rate-distortion optimized rate control for depth map-based 3-D video coding. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 585-94	8.7	21
289	A Theoretical Development and Analysis of Jumping Gene Genetic Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2011 , 7, 408-418	11.9	21
288	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 45-58	6.6	21
287	Distributed Virtual Network Embedding System With Historical Archives and Set-Based Particle Swarm Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 927-942	7.3	21
286	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 29-44	6.6	20
285	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 183-197	6.6	20
284	Multi-agent intrusion detection system in industrial network using ant colony clustering approach and unsupervised feature extraction		20
283	RRNet: Relational Reasoning Network with Parallel Multi-scale Attention for Salient Object Detection in Optical Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	20
282	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1416-1430	6.6	19
281	IDeRs: Iterative dehazing method for single remote sensing image. <i>Information Sciences</i> , 2019 , 489, 50-62.	7.7	19
280	A general framework for evolutionary multiobjective optimization via manifold learning. <i>Neurocomputing</i> , 2014 , 146, 65-74	5.4	19
279	High-Efficiency 3D Depth Coding Based on Perceptual Quality of Synthesized Video. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5877-5891	8.7	19
278	DECAL: Decomposition-Based Coevolutionary Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 27-41	10.2	19
277	Loss Functions of Generative Adversarial Networks (GANs): Opportunities and Challenges. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 500-522	4.1	18
276	Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 7398-7410	5.2	18
275	Adaptive quantization-parameter clip scheme for smooth quality in H.264/AVC. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 1911-9	8.7	18

274	Fragility Analysis of Adaptive Quantization-Based Image Hashing. <i>IEEE Transactions on Information Forensics and Security</i> , 2010 , 5, 133-147	8	18
273	Deep sequential fusion LSTM network for image description. <i>Neurocomputing</i> , 2018 , 312, 154-164	5.4	17
272	Multiview coding mode decision with hybrid optimal stopping model. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1598-609	8.7	17
271	Jumping-genes in evolutionary computing		17
270	Semisupervised Adaptive Symmetric Non-Negative Matrix Factorization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2550-2562	10.2	17
269	Matrix-Based Evolutionary Computation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-14	4.1	17
268	Spatial/temporal motion consistency based MERGE mode early decision for HEVC. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 44, 198-213	2.7	16
267	Early detection of all-zero . <i>Journal of Visual Communication and Image Representation</i> , 2014 , 25, 1784-1790	2.9	16
266	A vector-valued support vector machine model for multiclass problem. <i>Information Sciences</i> , 2013 , 235, 174-194	7.7	16
265	A Rate-Distortion Optimization Algorithm for Rate Control in H.264 2007 ,		16
264	Generation-Level Parallelism for Evolutionary Computation: A Pipeline-Based Parallel Particle Swarm Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4848-4859	10.2	16
263	Multi-Objective Differential Evolution with Adaptive Control of Parameters and Operators. <i>Lecture Notes in Computer Science</i> , 2011 , 473-487	0.9	16
262	Towards Unsupervised Deep Image Enhancement with Generative Adversarial Network. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	16
261	Simultaneous Dimensionality Reduction and Classification via Dual Embedding Regularized Nonnegative Matrix Factorization. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3836-3847	8.7	15
260	Generalized Nash Bargaining Solution to Rate Control Optimization for Spatial Scalable Video Coding. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4010-4021	8.7	15
259	Early termination for TZSearch in HEVC Motion Estimation 2013 ,		15
258	Prediction of Zero Quantized DCT Coefficients in H.264/AVC Using Hadamard Transformed Information. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 510-515	6.4	15
257	Efficient predictive model of zero quantized DCT coefficients for fast video encoding. <i>Image and Vision Computing</i> , 2007 , 25, 922-933	3.7	15

256	A discriminative training approach for text-independent speaker recognition. <i>Signal Processing</i> , 2005 , 85, 1449-1463	4.4	15
255	Data-Driven Rate Control for Rate-Distortion Optimization in HEVC Based on Simplified Effective Initial QP Learning. <i>IEEE Transactions on Broadcasting</i> , 2019 , 65, 94-108	4.7	15
254	Reinforcement learning based coding unit early termination algorithm for high efficiency video coding. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 60, 276-286	2.7	14
253	Adaptive stopping strategies for fast intra mode decision in HEVC. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 51, 1-13	2.7	14
252	TaxiRec 2015 ,		14
251	Deep Coarse-to-fine Dense Light Field Reconstruction with Flexible Sampling and Geometry-aware Fusion. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	14
250	An Evolutionary Approach for Solving the Multi-Objective Job-Shop Scheduling Problem. <i>Studies in Computational Intelligence</i> , 2007 , 165-195	0.8	14
249	Just Noticeable Distortion-Based Perceptual Rate Control in HEVC. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7603-7614	8.7	14
248	A decomposition based multiobjective evolutionary algorithm with classification 2016 ,		14
247	Toward Accurate Quality Estimation of Screen Content Pictures With Very Sparse Reference Information. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2251-2261	8.9	14
246	Underwater Image Enhancement via Minimal Color Loss and Locally Adaptive Contrast Enhancement. <i>IEEE Transactions on Image Processing</i> , 2022 , 1-1	8.7	14
245	Extended Quad-Tree Partitioning for Future Video Coding 2019 ,		13
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88	A new method for multi-class support vector machines by training least number of classifiers 2011 ,		2
87	Two-dimensional angle and polarization estimation using ESPRIT without pairing		2
86	Enhancement of Multiobjective Search: A Jumping-Genes Approach 2007 ,		2
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64	Complexity reduction in multi-dictionary based single-image superresolution reconstruction via phase congruency 2015 ,		1
63	On SSIM-bit rate comparison of HEVC encoders 2015 ,		1
62	Fast Transform Unit Depth Decision Based on Quantized Coefficients for HEVC 2015 ,		1
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60	Active learning based on support vector machines 2010 ,		1
59	A weighted voting method using minimum square error based on Extreme Learning Machine 2012 ,		1

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