

# Sam Tak Wu Kwong

## List of Publications by Year in descending order

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459  
papers

18,275  
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20817  
60  
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20358  
116  
g-index

462  
all docs

462  
docs citations

462  
times ranked

10499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gbest-guided artificial bee colony algorithm for numerical function optimization. Applied Mathematics and Computation, 2010, 217, 3166-3173.	2.2	1,036
2	An Evolutionary Many-Objective Optimization Algorithm Based on Dominance and Decomposition. IEEE Transactions on Evolutionary Computation, 2015, 19, 694-716.	10.0	923
3	Genetic algorithms: concepts and applications [in engineering design]. IEEE Transactions on Industrial Electronics, 1996, 43, 519-534.	7.9	908
4	An Underwater Image Enhancement Benchmark Dataset and Beyond. IEEE Transactions on Image Processing, 2020, 29, 4376-4389.	9.8	805
5	Genetic algorithms and their applications. IEEE Signal Processing Magazine, 1996, 13, 22-37.	5.6	762
6	Stable Matching-Based Selection in Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2014, 18, 909-923.	10.0	351
7	An optimal fuzzy PID controller. IEEE Transactions on Industrial Electronics, 2001, 48, 757-765.	7.9	335
8	Efficient Motion and Disparity Estimation Optimization for Low Complexity Multiview Video Coding. IEEE Transactions on Broadcasting, 2015, 61, 166-176.	3.2	304
9	Adaptive Operator Selection With Bandits for a Multiobjective Evolutionary Algorithm Based on Decomposition. IEEE Transactions on Evolutionary Computation, 2014, 18, 114-130.	10.0	300
10	Machine Learning-Based Coding Unit Depth Decisions for Flexible Complexity Allocation in High Efficiency Video Coding. IEEE Transactions on Image Processing, 2015, 24, 2225-2238.	9.8	201
11	Fast Motion Estimation Based on Content Property for Low-Complexity H.265/HEVC Encoder. IEEE Transactions on Broadcasting, 2016, 62, 675-684.	3.2	195
12	Genetic-fuzzy rule mining approach and evaluation of feature selection techniques for anomaly intrusion detection. Pattern Recognition, 2007, 40, 2373-2391.	8.1	194
13	Coevolutionary Particle Swarm Optimization With Bottleneck Objective Learning Strategy for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 587-602.	10.0	194
14	Underwater Image Enhancement via Minimal Color Loss and Locally Adaptive Contrast Enhancement. IEEE Transactions on Image Processing, 2022, 31, 3997-4010.	9.8	179
15	G-MS2F: GoogleNet based multi-stage feature fusion of deep CNN for scene recognition. Neurocomputing, 2017, 225, 188-197.	5.9	175
16	Nested Network With Two-Stream Pyramid for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9156-9166.	6.3	175
17	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100.	9.5	165
18	Multi-objective hierarchical genetic algorithm for interpretable fuzzy rule-based knowledge extraction. Fuzzy Sets and Systems, 2005, 149, 149-186.	2.7	161

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19	Dense Attention Fluid Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Image Processing, 2021, 30, 1305-1317.	9.8	157
20	Automatic Niching Differential Evolution With Contour Prediction Approach for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2020, 24, 114-128.	10.0	156
21	Unsupervised feature selection using clustering ensembles and population based incremental learning algorithm. Pattern Recognition, 2008, 41, 2742-2756.	8.1	134
22	Interrelationship-Based Selection for Decomposition Multiobjective Optimization. IEEE Transactions on Cybernetics, 2015, 45, 2076-2088.	9.5	128
23	Going From RGB to RGBD Saliency: A Depth-Guided Transformation Model. IEEE Transactions on Cybernetics, 2020, 50, 3627-3639.	9.5	125
24	Adaptive Granularity Learning Distributed Particle Swarm Optimization for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2021, 51, 1175-1188.	9.5	122
25	Dual-Strategy Differential Evolution With Affinity Propagation Clustering for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 894-908.	10.0	120
26	A real-coding jumping gene genetic algorithm (RJGGA) for multiobjective optimization. Information Sciences, 2007, 177, 632-654.	6.9	116
27	Rate-Distortion Optimization of Rate Control for H.264 With Adaptive Initial Quantization Parameter Determination. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 140-144.	8.3	109
28	Design and optimization of IIR filter structure using hierarchical genetic algorithms. IEEE Transactions on Industrial Electronics, 1998, 45, 481-487.	7.9	107
29	VideoSet: A large-scale compressed video quality dataset based on JND measurement. Journal of Visual Communication and Image Representation, 2017, 46, 292-302.	2.8	105
30	A noise-detection based AdaBoost algorithm for mislabeled data. Pattern Recognition, 2012, 45, 4451-4465.	8.1	101
31	An Effective Method for Detecting Double JPEG Compression With the Same Quantization Matrix. IEEE Transactions on Information Forensics and Security, 2014, 9, 1933-1942.	6.9	101
32	Minimal fuzzy memberships and rules using hierarchical genetic algorithms. IEEE Transactions on Industrial Electronics, 1998, 45, 162-169.	7.9	100
33	Early MERGE Mode Decision Based on Motion Estimation and Hierarchical Depth Correlation for HEVC. IEEE Transactions on Broadcasting, 2014, 60, 405-412.	3.2	99
34	Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3343-3357.	9.5	97
35	Achieving balance between proximity and diversity in multi-objective evolutionary algorithm. Information Sciences, 2012, 182, 220-242.	6.9	94
36	Incorporating Diversity and Informativeness in Multiple-Instance Active Learning. IEEE Transactions on Fuzzy Systems, 2017, 25, 1460-1475.	9.8	91

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37	Fast reference frame selection based on content similarity for low complexity HEVC encoder. Journal of Visual Communication and Image Representation, 2016, 40, 516-524.	2.8	89
38	Nonnegative matrix factorization with mixed hypergraph regularization for community detection. Information Sciences, 2018, 435, 263-281.	6.9	87
39	Light Field Spatial Super-Resolution via Deep Combinatorial Geometry Embedding and Structural Consistency Regularization. , 2020, , .		87
40	Agent-Based Evolutionary Approach for Interpretable Rule-Based Knowledge Extraction. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 143-155.	2.9	82
41	An Efficient Mode Decision Algorithm for H.264/AVC Encoding Optimization. IEEE Transactions on Multimedia, 2007, 9, 882-888.	7.2	82
42	Evolutionary Many-Objective Optimization Based on Adversarial Decomposition. IEEE Transactions on Cybernetics, 2020, 50, 753-764.	9.5	81
43	A Jumping Gene Paradigm for Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2008, 12, 143-159.	10.0	80
44	Cooperative Coevolutionary Bare-Bones Particle Swarm Optimization With Function Independent Decomposition for Large-Scale Supply Chain Network Design With Uncertainties. IEEE Transactions on Cybernetics, 2020, 50, 4454-4468.	9.5	78
45	Learning to Decompose: A Paradigm for Decomposition-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 376-390.	10.0	77
46	A compression algorithm for DNA sequences. IEEE Engineering in Medicine and Biology Magazine, 2001, 20, 61-66.	0.8	76
47	Distributed Cooperative Co-Evolution With Adaptive Computing Resource Allocation for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 188-202.	10.0	75
48	RRNet: Relational Reasoning Network With Parallel Multiscale Attention for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	75
49	Fast Intra Prediction Based on Content Property Analysis for Low Complexity HEVC-Based Screen Content Coding. IEEE Transactions on Broadcasting, 2017, 63, 48-58.	3.2	74
50	Optimisation of HMM topology and its model parameters by genetic algorithms. Pattern Recognition, 2001, 34, 509-522.	8.1	73
51	An algorithm for removable visible watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 129-133.	8.3	73
52	A Distributed Swarm Optimizer With Adaptive Communication for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2020, 50, 3393-3408.	9.5	72
53	Binary and Multi-Class Learning Based Low Complexity Optimization for HEVC Encoding. IEEE Transactions on Broadcasting, 2017, 63, 547-561.	3.2	70
54	Hilbert-Huang Transform for Analysis of Heart Rate Variability in Cardiac Health. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 1557-1567.	3.0	69

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55	Subjective and Objective Video Quality Assessment of 3D Synthesized Views With Texture/Depth Compression Distortion. IEEE Transactions on Image Processing, 2015, 24, 4847-4861.	9.8	69
56	Deep Learning-Based Picture-Wise Just Noticeable Distortion Prediction Model for Image Compression. IEEE Transactions on Image Processing, 2020, 29, 641-656.	9.8	68
57	Neural Network-Based Information Transfer for Dynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1557-1570.	11.3	68
58	Learning Light Field Angular Super-Resolution via a Geometry-Aware Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11141-11148.	4.9	66
59	Consensus unsupervised feature ranking from multiple views. Pattern Recognition Letters, 2008, 29, 595-602.	4.2	64
60	Evidence-theory-based numerical algorithms of attribute reduction with neighborhood-covering rough sets. International Journal of Approximate Reasoning, 2014, 55, 908-923.	3.3	64
61	PUGeo-Net: A Geometry-Centric Network for 3D Point Cloud Upsampling. Lecture Notes in Computer Science, 2020, , 752-769.	1.3	63
62	Wavelet domain adaptive visible watermarking. Electronics Letters, 2001, 37, 1219.	1.0	62
63	SSIM-Based Game Theory Approach for Rate-Distortion Optimized Intra Frame CTU-Level Bit Allocation. IEEE Transactions on Multimedia, 2016, 18, 988-999.	7.2	62
64	Particle swarm optimization based on intermediate disturbance strategy algorithm and its application in multi-threshold image segmentation. Information Sciences, 2013, 250, 82-112.	6.9	61
65	An Improved Artificial Bee Colony Algorithm With its Application. IEEE Transactions on Industrial Informatics, 2019, 15, 1853-1865.	11.3	60
66	Towards Unsupervised Deep Image Enhancement With Generative Adversarial Network. IEEE Transactions on Image Processing, 2020, 29, 9140-9151.	9.8	60
67	Efficient In-Loop Filtering Based on Enhanced Deep Convolutional Neural Networks for HEVC. IEEE Transactions on Image Processing, 2020, 29, 5352-5366.	9.8	60
68	Set-Based Discrete Particle Swarm Optimization Based on Decomposition for Permutation-Based Multiobjective Combinatorial Optimization Problems. IEEE Transactions on Cybernetics, 2018, 48, 2139-2153.	9.5	59
69	Rate Control Optimization for Temporal-Layer Scalable Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1152-1162.	8.3	58
70	A Hybrid Particle-Swarm Tabu Search Algorithm for Solving Job Shop Scheduling Problems. IEEE Transactions on Industrial Informatics, 2014, 10, 2044-2054.	11.3	58
71	Using genetic algorithms to design mesh networks. Computer, 1997, 30, 56-61.	1.1	57
72	Segment Based Decision Tree Induction With Continuous Valued Attributes. IEEE Transactions on Cybernetics, 2015, 45, 1262-1275.	9.5	57

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73	A Multi-Objective Ant Colony System Algorithm for Airline Crew Rostering Problem With Fairness and Satisfaction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6784-6798.	8.0	57
74	Hybrid Model to Detect Zero Quantized DCT Coefficients in H.264. IEEE Transactions on Multimedia, 2007, 9, 728-735.	7.2	56
75	Pairwise Constraint Propagation-Induced Symmetric Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6348-6361.	11.3	56
76	Distributed Virtual Network Embedding System With Historical Archives and Set-Based Particle Swarm Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 927-942.	9.3	56
77	Cross-modality Discrepant Interaction Network for RGB-D Salient Object Detection. , 2021, , .		55
78	ESPRIT-Like Two-Dimensional DOA Estimation for Coherent Signals. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1477-1484.	4.7	54
79	Flexible Mode Selection and Complexity Allocation in High Efficiency Video Coding. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 1135-1144.	10.8	53
80	Machine learning based video coding optimizations: A survey. Information Sciences, 2020, 506, 395-423.	6.9	52
81	Matrix-Based Evolutionary Computation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 315-328.	4.9	52
82	Bayesian classifiers based on probability density estimation and their applications to simultaneous fault diagnosis. Information Sciences, 2014, 259, 252-268.	6.9	51
83	Joint Machine Learning and Game Theory for Rate Control in High Efficiency Video Coding. IEEE Transactions on Image Processing, 2017, 26, 6074-6089.	9.8	51
84	Regional Bit Allocation and Rate Distortion Optimization for Multiview Depth Video Coding With View Synthesis Distortion Model. IEEE Transactions on Image Processing, 2013, 22, 3497-3512.	9.8	50
85	Class-specific soft voting based multiple extreme learning machines ensemble. Neurocomputing, 2015, 149, 275-284.	5.9	50
86	Matching-Based Selection With Incomplete Lists for Decomposition Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 554-568.	10.0	50
87	Effective Data Driven Coding Unit Size Decision Approaches for HEVC INTRA Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3208-3222.	8.3	50
88	Efficient prediction algorithm of integer DCT coefficients for H.264/AVC optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 547-552.	8.3	49
89	A dual-population paradigm for evolutionary multiobjective optimization. Information Sciences, 2015, 309, 50-72.	6.9	49
90	A Hybrid Compression Framework for Color Attributes of Static 3D Point Clouds. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1564-1577.	8.3	49

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91	A Jumping-Genes Paradigm for Optimizing Factory WLAN Network. IEEE Transactions on Industrial Informatics, 2007, 3, 33-43.	11.3	48
92	Resampling-based selective clustering ensembles. Pattern Recognition Letters, 2009, 30, 298-305.	4.2	48
93	SSIM-Based Global Optimization for CTU-Level Rate Control in HEVC. IEEE Transactions on Multimedia, 2019, 21, 1921-1933.	7.2	48
94	Brain-Inspired Systems: A Transdisciplinary Exploration on Cognitive Cybernetics, Humanity, and Systems Science Toward Autonomous Artificial Intelligence. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 6-13.	1.4	48
95	Wireless communication network design in IC factory. IEEE Transactions on Industrial Electronics, 2001, 48, 452-459.	7.9	46
96	An efficient image segmentation method based on a hybrid particle swarm algorithm with learning strategy. Information Sciences, 2016, 369, 500-521.	6.9	46
97	DCT Coefficient Distribution Modeling and Quality Dependency Analysis Based Frame-Level Bit Allocation for HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 139-153.	8.3	46
98	Active k-labelsets ensemble for multi-label classification. Pattern Recognition, 2021, 109, 107583.	8.1	46
99	Multi-Agent Intrusion Detection System in Industrial Network using Ant Colony Clustering Approach and Unsupervised Feature Extraction. , 0, , .		44
100	TaxiRec: Recommending Road Clusters to Taxi Drivers Using Ranking-Based Extreme Learning Machines. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 585-598.	5.7	44
101	An evolutionary multi-objective optimization framework of discretization-based feature selection for classification. Swarm and Evolutionary Computation, 2021, 60, 100770.	8.1	44
102	Considering binocular spatial sensitivity in stereoscopic image quality assessment. , 2011, , .		43
103	Fuzzy SVM-Based Coding Unit Decision in HEVC. IEEE Transactions on Broadcasting, 2018, 64, 681-694.	3.2	43
104	Semisupervised Adaptive Symmetric Non-Negative Matrix Factorization. IEEE Transactions on Cybernetics, 2021, 51, 2550-2562.	9.5	43
105	A reference-free underwater image quality assessment metric in frequency domain. Signal Processing: Image Communication, 2021, 94, 116218.	3.2	43
106	Estimation of Two-Dimensional Frequencies Using Modified Matrix Pencil Method. IEEE Transactions on Signal Processing, 2007, 55, 718-724.	5.3	42
107	Geometrical interpretation and applications of membership functions with fuzzy rough sets. Fuzzy Sets and Systems, 2012, 193, 122-135.	2.7	42
108	Low Complexity HEVC INTRA Coding for High-Quality Mobile Video Communication. IEEE Transactions on Industrial Informatics, 2015, 11, 1492-1504.	11.3	42



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109	Deep Coarse-to-Fine Dense Light Field Reconstruction With Flexible Sampling and Geometry-Aware Fusion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1819-1836.	13.9	42
110	A Jumping Gene Algorithm for Multiobjective Resource Management in Wideband CDMA Systems. Computer Journal, 2005, 48, 749-768.	2.4	41
111	An Adaptive Estimation of Distribution Algorithm for Multipolicy Insurance Investment Planning. IEEE Transactions on Evolutionary Computation, 2019, 23, 1-14.	10.0	41
112	Multi-View Spectral Clustering Tailored Tensor Low-Rank Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4784-4797.	8.3	41
113	Fast Mode Decision Based on Mode Adaptation. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 697-705.	8.3	40
114	Objective Video Quality Assessment Based on Perceptually Weighted Mean Squared Error. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1844-1855.	8.3	40
115	Generative Adversarial Network-Based Intra Prediction for Video Coding. IEEE Transactions on Multimedia, 2020, 22, 45-58.	7.2	40
116	Generation-Level Parallelism for Evolutionary Computation: A Pipeline-Based Parallel Particle Swarm Optimization. IEEE Transactions on Cybernetics, 2021, 51, 4848-4859.	9.5	40
117	A Two-Phase Evolutionary Approach for Compressive Sensing Reconstruction. IEEE Transactions on Cybernetics, 2017, 47, 2651-2663.	9.5	39
118	TSAN: Synthesized View Quality Enhancement via Two-Stream Attention Network for 3D-HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 345-358.	8.3	39
119	VCRNet: Visual Compensation Restoration Network for No-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2022, 31, 1613-1627.	9.8	39
120	A Novel Distortion Model and Lagrangian Multiplier for Depth Maps Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 443-451.	8.3	38
121	Rate Distortion Optimized Inter-View Frame Level Bit Allocation Method for MV-HEVC. IEEE Transactions on Multimedia, 2015, 17, 2134-2146.	7.2	38
122	Dynamic Cooperative Coevolution for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 935-948.	10.0	38
123	IDeRs: Iterative dehazing method for single remote sensing image. Information Sciences, 2019, 489, 50-62.	6.9	38
124	To combine steady-state genetic algorithm and ensemble learning for data clustering. Pattern Recognition Letters, 2008, 29, 1416-1423.	4.2	37
125	Ant Colony Clustering and Feature Extraction for Anomaly Intrusion Detection. Studies in Computational Intelligence, 2006, , 101-123.	0.9	36
126	Detection of Train Driver Fatigue and Distraction Based on Forehead EEG: A Time-Series Ensemble Learning Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13559-13569.	8.0	36



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127	Learning Assignment Order of Instances for the Constrained K-Means Clustering Algorithm. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 568-574.	5.0	35
128	Compressed image quality metric based on perceptually weighted distortion. IEEE Transactions on Image Processing, 2015, 24, 5594-5608.	9.8	35
129	CTU-Level Complexity Control for High Efficiency Video Coding. IEEE Transactions on Multimedia, 2018, 20, 29-44.	7.2	35
130	Just Noticeable Distortion-Based Perceptual Rate Control in HEVC. IEEE Transactions on Image Processing, 2020, 29, 7603-7614.	9.8	35
131	Multiple populations co-evolutionary particle swarm optimization for multi-objective cardinality constrained portfolio optimization problem. Neurocomputing, 2021, 430, 58-70.	5.9	35
132	Genetic algorithm to production planning and scheduling problems for manufacturing systems. Production Planning and Control, 2000, 11, 443-458.	8.8	34
133	Cooperative Bargaining Game-Based Multiuser Bandwidth Allocation for Dynamic Adaptive Streaming Over HTTP. IEEE Transactions on Multimedia, 2018, 20, 183-197.	7.2	34
134	Evolutionary Computation for Intelligent Transportation in Smart Cities: A Survey [Review Article]. IEEE Computational Intelligence Magazine, 2022, 17, 83-102.	3.2	34
135	A genetic classification method for speaker recognition. Engineering Applications of Artificial Intelligence, 2005, 18, 13-19.	8.1	33
136	Quaternion representation based visual saliency for stereoscopic image quality assessment. Signal Processing, 2018, 145, 202-213.	3.7	33
137	Window-Level Rate Control for Smooth Picture Quality and Smooth Buffer Occupancy. IEEE Transactions on Image Processing, 2011, 20, 723-734.	9.8	32
138	Fuzzy-Rough-Set-Based Active Learning. IEEE Transactions on Fuzzy Systems, 2014, 22, 1699-1704.	9.8	32
139	HEVC intra mode selection based on Rate Distortion (RD) cost and Sum of Absolute Difference (SAD). Journal of Visual Communication and Image Representation, 2016, 35, 112-119.	2.8	32
140	Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7398-7410.	4.7	32
141	A Multi-Task Collaborative Network for Light Field Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1849-1861.	8.3	32
142	A Virtual View PSNR Estimation Method for 3-D Videos. IEEE Transactions on Broadcasting, 2016, 62, 134-140.	3.2	31
143	Semi-Supervised Non-Negative Matrix Factorization With Dissimilarity and Similarity Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-12.	11.3	31
144	Data-Driven Rate Control for Rate-Distortion Optimization in HEVC Based on Simplified Effective Initial QP Learning. IEEE Transactions on Broadcasting, 2019, 65, 94-108.	3.2	31

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145	Novel Rate-Quantization Model-Based Rate Control With Adaptive Initialization for Spatial Scalable Video Coding. IEEE Transactions on Industrial Electronics, 2012, 59, 1673-1684.	7.9	30
146	Inconsistency-based active learning for support vector machines. Pattern Recognition, 2012, 45, 3751-3767.	8.1	30
147	DECAL: Decomposition-Based Coevolutionary Algorithm for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2019, 49, 27-41.	9.5	30
148	Loss Functions of Generative Adversarial Networks (GANs): Opportunities and Challenges. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 500-522.	4.9	30
149	Statistical Early Termination Model for Fast Mode Decision and Reference Frame Selection in Multiview Video Coding. IEEE Transactions on Broadcasting, 2012, 58, 10-23.	3.2	29
150	Learning paradigm based on jumping genes: A general framework for enhancing exploration in evolutionary multiobjective optimization. Information Sciences, 2013, 226, 1-22.	6.9	29
151	A general framework for evolutionary multiobjective optimization via manifold learning. Neurocomputing, 2014, 146, 65-74.	5.9	29
152	Ambiguity-Based Multiclass Active Learning. IEEE Transactions on Fuzzy Systems, 2016, 24, 242-248.	9.8	29
153	Hashing-Based Undersampling Ensemble for Imbalanced Pattern Classification Problems. IEEE Transactions on Cybernetics, 2022, 52, 1269-1279.	9.5	29
154	Rate Control Method Based on Deep Reinforcement Learning for Dynamic Video Sequences in HEVC. IEEE Transactions on Multimedia, 2021, 23, 1106-1121.	7.2	29
155	Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach. IEEE Transactions on Image Processing, 2021, 30, 26-38.	9.8	29
156	Fast Mode Decision Using Inter-View and Inter-Component Correlations for Multiview Depth Video Coding. IEEE Transactions on Industrial Informatics, 2015, 11, 978-986.	11.3	28
157	Semi-Supervised Spectral Clustering With Structured Sparsity Regularization. IEEE Signal Processing Letters, 2018, 25, 403-407.	3.6	28
158	Extended Quad-Tree Partitioning for Future Video Coding. , 2019, , .		28
159	Simultaneous Dimensionality Reduction and Classification via Dual Embedding Regularized Nonnegative Matrix Factorization. IEEE Transactions on Image Processing, 2019, 28, 3836-3847.	9.8	28
160	Spatial and Temporal Consistency-Aware Dynamic Adaptive Streaming for 360-Degree Videos. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 177-193.	10.8	28
161	H.264/SVC Mode Decision Based on Optimal Stopping Theory. IEEE Transactions on Image Processing, 2012, 21, 2607-2618.	9.8	27
162	Convolutional Neural Network-Based Synthesized View Quality Enhancement for 3D Video Coding. IEEE Transactions on Image Processing, 2018, 27, 5365-5377.	9.8	27

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163	A Niching Memetic Algorithm for Multi-Solution Traveling Salesman Problem. IEEE Transactions on Evolutionary Computation, 2019, , 1-1.	10.0	27
164	Subjective Quality Database and Objective Study of Compressed Point Clouds With 6DoF Head-Mounted Display. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4630-4644.	8.3	27
165	Deep Magnification-Flexible Upsampling Over 3D Point Clouds. IEEE Transactions on Image Processing, 2021, 30, 8354-8367.	9.8	27
166	Efficient Multi-Reference Frame Selection Algorithm for Hierarchical B Pictures in Multiview Video Coding. IEEE Transactions on Broadcasting, 2011, 57, 15-23.	3.2	26
167	Bayesian network based label correlation analysis for multi-label classifier chain. Information Sciences, 2021, 554, 256-275.	6.9	26
168	Feature pyramid network for diffusion-based image inpainting detection. Information Sciences, 2021, 572, 29-42.	6.9	26
169	A Theoretical Development and Analysis of Jumping Gene Genetic Algorithm. IEEE Transactions on Industrial Informatics, 2011, 7, 408-418.	11.3	25
170	A study on random weights between input and hidden layers in extreme learning machine. Soft Computing, 2012, 16, 1465-1475.	3.6	25
171	Motion-Homogeneous-Based Fast Transcoding Method From H.264/AVC to HEVC. IEEE Transactions on Multimedia, 2017, 19, 1416-1430.	7.2	25
172	Semantic Example Guided Image-to-Image Translation. IEEE Transactions on Multimedia, 2021, 23, 1654-1665.	7.2	25
173	MIEGAN: Mobile Image Enhancement via a Multi-Module Cascade Neural Network. IEEE Transactions on Multimedia, 2022, 24, 519-533.	7.2	25
174	Camera Invariant Feature Learning for Generalized Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2021, 16, 2477-2492.	6.9	25
175	Multi-Task SE-Network for Image Splicing Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4828-4840.	8.3	25
176	Detect and Locate: Exposing Face Manipulation by Semantic- and Noise-Level Telltales. IEEE Transactions on Information Forensics and Security, 2022, 17, 1741-1756.	6.9	25
177	Active learning with multi-criteria decision making systems. Pattern Recognition, 2014, 47, 3106-3119.	8.1	24
178	Deep sequential fusion LSTM network for image description. Neurocomputing, 2018, 312, 154-164.	5.9	24
179	Many-Objective Job-Shop Scheduling: A Multiple Populations for Multiple Objectives-Based Genetic Algorithm Approach. IEEE Transactions on Cybernetics, 2023, 53, 1460-1474.	9.5	24
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