

Sam Tak Wu Kwong

List of Publications by Year in descending order

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Version: 2024-02-01

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Efficient Neural Network Compression Inspired by Compressive Sensing. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1965-1979. | 7.2 | 4 |
| 2 | Many-Objective Job-Shop Scheduling: A Multiple Populations for Multiple Objectives-Based Genetic Algorithm Approach. IEEE Transactions on Cybernetics, 2023, 53, 1460-1474. | 6.2 | 24 |
| 3 | No-Reference Image Quality Assessment via Multibranch Convolutional Neural Networks. IEEE Transactions on Artificial Intelligence, 2023, 4, 148-160. | 3.4 | 13 |
| 4 | Gene Targeting Differential Evolution: A Simple and Efficient Method for Large-Scale Optimization. IEEE Transactions on Evolutionary Computation, 2023, 27, 964-979. | 7.5 | 14 |
| 5 | Hashing-Based Undersampling Ensemble for Imbalanced Pattern Classification Problems. IEEE Transactions on Cybernetics, 2022, 52, 1269-1279. | 6.2 | 29 |
| 6 | Deep Learning Based Just Noticeable Difference and Perceptual Quality Prediction Models for Compressed Video. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1197-1212. | 5.6 | 20 |
| 7 | Truncated Robust Natural Watermarking With Hungarian Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 483-495. | 5.6 | 5 |
| 8 | High Efficiency Rate Control for Versatile Video Coding Based on Composite Cauchy Distribution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2371-2384. | 5.6 | 15 |
| 9 | Semisupervised Affinity Matrix Learning via Dual-Channel Information Recovery. IEEE Transactions on Cybernetics, 2022, 52, 7919-7930. | 6.2 | 9 |
| 10 | Hash Bit Selection Based on Collaborative Neurodynamic Optimization. IEEE Transactions on Cybernetics, 2022, 52, 11144-11155. | 6.2 | 5 |
| 11 | MIEGAN: Mobile Image Enhancement via a Multi-Module Cascade Neural Network. IEEE Transactions on Multimedia, 2022, 24, 519-533. | 5.2 | 25 |
| 12 | Consistent Quality Oriented Rate Control in HEVC Via Balancing Intra and Inter Frame Coding. IEEE Transactions on Industrial Informatics, 2022, 18, 1594-1604. | 7.2 | 9 |
| 13 | Matrix-Based Evolutionary Computation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 315-328. | 3.4 | 52 |
| 14 | Unsupervised Image-to-Image Translation via Pre-Trained StyleGAN2 Network. IEEE Transactions on Multimedia, 2022, 24, 1435-1448. | 5.2 | 22 |
| 15 | Forensic Analysis of JPEG-Domain Enhanced Images via Coefficient Likelihood Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1006-1019. | 5.6 | 6 |
| 16 | A Hybrid Control Scheme for 360-Degree Dynamic Adaptive Video Streaming Over Mobile Devices. IEEE Transactions on Mobile Computing, 2022, 21, 3428-3442. | 3.9 | 6 |
| 17 | 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. | 5.6 | 49 |
| 18 | Hash Bit Selection via Collaborative Neurodynamic Optimization With Discrete Hopfield Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5116-5124. | 7.2 | 8 |

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| 19 | Cross-Modality Fusion and Progressive Integration Network for Saliency Prediction on Stereoscopic 3D Images. IEEE Transactions on Multimedia, 2022, 24, 2435-2448. | 5.2 | 7 |
| 20 | 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. | 5.6 | 39 |
| 21 | An Efficient Artificial Bee Colony Algorithm With an Improved Linkage Identification Method. IEEE Transactions on Cybernetics, 2022, 52, 4400-4414. | 6.2 | 22 |
| 22 | A Multivariation Multifactorial Evolutionary Algorithm for Large-Scale Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 248-262. | 7.5 | 19 |
| 23 | Multi-Task SE-Network for Image Splicing Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4828-4840. | 5.6 | 25 |
| 24 | 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. | 9.7 | 42 |
| 25 | 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. | 2.7 | 75 |
| 26 | Self-Supervised Symmetric Nonnegative Matrix Factorization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4526-4537. | 5.6 | 5 |
| 27 | 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. | 4.7 | 36 |
| 28 | VCRNet: Visual Compensation Restoration Network for No-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2022, 31, 1613-1627. | 6.0 | 39 |
| 29 | RDEN: Residual Distillation Enhanced Network-Guided Lightweight Synthesized View Quality Enhancement for 3D-HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6347-6359. | 5.6 | 14 |
| 30 | Contrast-Enhanced Color Visual Cryptography for (k, n) Threshold Schemes. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-16. | 3.0 | 2 |
| 31 | Learning cross-modality features for image caption generation. International Journal of Machine Learning and Cybernetics, 2022, 13, 2059-2070. | 2.3 | 3 |
| 32 | Evolutionary Computation for Intelligent Transportation in Smart Cities: A Survey [Review Article]. IEEE Computational Intelligence Magazine, 2022, 17, 83-102. | 3.4 | 34 |
| 33 | Privacy-Preserving Video Fall Detection via Chaotic Compressed Sensing and GAN-Based Feature Enhancement. IEEE MultiMedia, 2022, 29, 14-23. | 1.5 | 1 |
| 34 | Adaptive Viewpoint Feature Enhancement-Based Binocular Stereoscopic Image Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6543-6556. | 5.6 | 1 |
| 35 | EEG-TNet: An End-To-End Brain Computer Interface Framework for Mental Workload Estimation. Frontiers in Neuroscience, 2022, 16, 869522. | 1.4 | 9 |
| 36 | Detect and Locate: Exposing Face Manipulation by Semantic- and Noise-Level Telltales. IEEE Transactions on Information Forensics and Security, 2022, 17, 1741-1756. | 4.5 | 25 |

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| 37 | An Adaptive Ant Colony System Based on Variable Range Receding Horizon Control for Berth Allocation Problem. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21675-21686. | 4.7 | 10 |
| 38 | Underwater Image Enhancement via Minimal Color Loss and Locally Adaptive Contrast Enhancement. IEEE Transactions on Image Processing, 2022, 31, 3997-4010. | 6.0 | 179 |
| 39 | Cross-Collaborative Fusion-Encoder Network for Robust RGB-Thermal Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7646-7661. | 5.6 | 17 |
| 40 | Boolean matrix factorization based on collaborative neurodynamic optimization with Boltzmann machines. Neural Networks, 2022, 153, 142-151. | 3.3 | 6 |
| 41 | DACNN: Blind Image Quality Assessment via a Distortion-Aware Convolutional Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7518-7531. | 5.6 | 20 |
| 42 | A content-oriented no-reference perceptual video quality assessment method for computer graphics animation videos. Information Sciences, 2022, 608, 1731-1746. | 4.0 | 3 |
| 43 | Joint Optimization for Pairwise Constraint Propagation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3168-3180. | 7.2 | 6 |
| 44 | Constrained Clustering With Dissimilarity Propagation-Guided Graph-Laplacian PCA. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3985-3997. | 7.2 | 6 |
| 45 | Privacy-Preserving In-Home Fall Detection Using Visual Shielding Sensing and Private Information-Embedding. IEEE Transactions on Multimedia, 2021, 23, 3684-3699. | 5.2 | 10 |
| 46 | 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. | 4.7 | 57 |
| 47 | Evolutionary Divide-and-Conquer Algorithm for Virus Spreading Control Over Networks. IEEE Transactions on Cybernetics, 2021, 51, 3752-3766. | 6.2 | 18 |
| 48 | Complementary Incremental Hashing With Query-Adaptive Re-Ranking for Image Retrieval. IEEE Transactions on Multimedia, 2021, 23, 1210-1224. | 5.2 | 9 |
| 49 | Adaptive Granularity Learning Distributed Particle Swarm Optimization for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2021, 51, 1175-1188. | 6.2 | 122 |
| 50 | Semisupervised Adaptive Symmetric Non-Negative Matrix Factorization. IEEE Transactions on Cybernetics, 2021, 51, 2550-2562. | 6.2 | 43 |
| 51 | Rate Control Method Based on Deep Reinforcement Learning for Dynamic Video Sequences in HEVC. IEEE Transactions on Multimedia, 2021, 23, 1106-1121. | 5.2 | 29 |
| 52 | ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100. | 6.2 | 165 |
| 53 | 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. | 5.9 | 56 |
| 54 | Positive and Negative Label-Driven Nonnegative Matrix Factorization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2698-2710. | 5.6 | 15 |

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| 55 | Active k-labelsets ensemble for multi-label classification. Pattern Recognition, 2021, 109, 107583. | 5.1 | 46 |
| 56 | Semantic Example Guided Image-to-Image Translation. IEEE Transactions on Multimedia, 2021, 23, 1654-1665. | 5.2 | 25 |
| 57 | A Clustering-Based Framework for Improving the Performance of JPEG Quantization Step Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1661-1672. | 5.6 | 18 |
| 58 | An evolutionary multi-objective optimization framework of discretization-based feature selection for classification. Swarm and Evolutionary Computation, 2021, 60, 100770. | 4.5 | 44 |
| 59 | Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach. IEEE Transactions on Image Processing, 2021, 30, 26-38. | 6.0 | 29 |
| 60 | LiSSA: Localized Stochastic Sensitive Autoencoders. IEEE Transactions on Cybernetics, 2021, 51, 2748-2760. | 6.2 | 10 |
| 61 | Progressive Point Cloud Upsampling via Differentiable Rendering. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4673-4685. | 5.6 | 16 |
| 62 | Multi-View Spectral Clustering Tailored Tensor Low-Rank Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4784-4797. | 5.6 | 41 |
| 63 | Low Complexity Trellis-Coded Quantization in Versatile Video Coding. IEEE Transactions on Image Processing, 2021, 30, 2378-2393. | 6.0 | 9 |
| 64 | 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. | 5.6 | 27 |
| 65 | A Coevolutionary Estimation of Distribution Algorithm for Group Insurance Portfolio. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, , 1-15. | 5.9 | 6 |
| 66 | Geometry Auxiliary Salient Object Detection for Light Fields via Graph Neural Networks. IEEE Transactions on Image Processing, 2021, 30, 7578-7592. | 6.0 | 9 |
| 67 | Weighted visual secret sharing for general access structures based on random grids. Signal Processing: Image Communication, 2021, 92, 116129. | 1.8 | 8 |
| 68 | Multiple populations co-evolutionary particle swarm optimization for multi-objective cardinality constrained portfolio optimization problem. Neurocomputing, 2021, 430, 58-70. | 3.5 | 35 |
| 69 | Bayesian network based label correlation analysis for multi-label classifier chain. Information Sciences, 2021, 554, 256-275. | 4.0 | 26 |
| 70 | Stereo superpixel: An iterative framework based on parallax consistency and collaborative optimization. Information Sciences, 2021, 556, 209-222. | 4.0 | 6 |
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| 72 | A Multi-Task Collaborative Network for Light Field Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1849-1861. | 5.6 | 32 |

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| 73 | Joint Reinforcement Learning and Game Theory Bitrate Control Method for 360-Degree Dynamic Adaptive Streaming. , 2021, , . | | 3 |
| 74 | QOE-Based Neural Live Streaming Method with Continuous Dynamic Adaptive Video Quality Control. , 2021, , . | | 0 |
| 75 | Active contour driven by adaptively weighted signed pressure force combined with Legendre polynomial for image segmentation. Information Sciences, 2021, 564, 327-342. | 4.0 | 4 |
| 76 | On the philosophical, cognitive and mathematical foundations of symbiotic autonomous systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200362. | 1.6 | 21 |
| 77 | Reinforcement learning-based QoE-oriented dynamic adaptive streaming framework. Information Sciences, 2021, 569, 786-803. | 4.0 | 15 |
| 78 | Deep Learning-Based Chroma Prediction for Intra Versatile Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3168-3181. | 5.6 | 20 |
| 79 | Feature pyramid network for diffusion-based image inpainting detection. Information Sciences, 2021, 572, 29-42. | 4.0 | 26 |
| 80 | Data-Driven Transform-Based Compressed Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3352-3365. | 5.6 | 11 |
| 81 | No-reference image quality assessment for contrast-changed images via a semi-supervised robust PCA model. Information Sciences, 2021, 574, 640-652. | 4.0 | 7 |
| 82 | Superpixel Segmentation Based on Spatially Constrained Subspace Clustering. IEEE Transactions on Industrial Informatics, 2021, 17, 7501-7512. | 7.2 | 5 |
| 83 | Dense Attention Fluid Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Image Processing, 2021, 30, 1305-1317. | 6.0 | 157 |
| 84 | Camera Invariant Feature Learning for Generalized Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2021, 16, 2477-2492. | 4.5 | 25 |
| 85 | Highly Efficient Multiview Depth Coding Based on Histogram Projection and Allowable Depth Distortion. IEEE Transactions on Image Processing, 2021, 30, 402-417. | 6.0 | 6 |
| 86 | Deep Magnification-Flexible Upsampling Over 3D Point Clouds. IEEE Transactions on Image Processing, 2021, 30, 8354-8367. | 6.0 | 27 |
| 87 | Generation-Level Parallelism for Evolutionary Computation: A Pipeline-Based Parallel Particle Swarm Optimization. IEEE Transactions on Cybernetics, 2021, 51, 4848-4859. | 6.2 | 40 |
| 88 | BridgeNet: A Joint Learning Network of Depth Map Super-Resolution and Monocular Depth Estimation. , 2021, , . | | 16 |
| 89 | Cross-modality Discrepant Interaction Network for RGB-D Salient Object Detection. , 2021, , . | | 55 |
| 90 | Flexible Complexity Optimization in Multiview Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4096-4106. | 5.6 | 3 |

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| 91 | Multi-Exemplar Learning Particle Swarm Optimization for Regional Traffic Signal Timing Optimization with Multi-Intersections. , 2021, , . | | 1 |
| 92 | Real Traffic Distance-Aware Logistics Scheduling. , 2021, , . | | 1 |
| 93 | Applying Exponential Family Distribution to Generalized Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1794-1804. | 5.9 | 4 |
| 94 | Evolutionary Many-Objective Optimization Based on Adversarial Decomposition. IEEE Transactions on Cybernetics, 2020, 50, 753-764. | 6.2 | 81 |
| 95 | A Distributed Swarm Optimizer With Adaptive Communication for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2020, 50, 3393-3408. | 6.2 | 72 |
| 96 | Automatic Niching Differential Evolution With Contour Prediction Approach for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2020, 24, 114-128. | 7.5 | 156 |
| 97 | Toward Accurate Quality Estimation of Screen Content Pictures With Very Sparse Reference Information. IEEE Transactions on Industrial Electronics, 2020, 67, 2251-2261. | 5.2 | 16 |
| 98 | 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. | 6.2 | 78 |
| 99 | Going From RGB to RGBD Saliency: A Depth-Guided Transformation Model. IEEE Transactions on Cybernetics, 2020, 50, 3627-3639. | 6.2 | 125 |
| 100 | Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3343-3357. | 6.2 | 97 |
| 101 | Deep Learning-Based Picture-Wise Just Noticeable Distortion Prediction Model for Image Compression. IEEE Transactions on Image Processing, 2020, 29, 641-656. | 6.0 | 68 |
| 102 | Generative Adversarial Network-Based Intra Prediction for Video Coding. IEEE Transactions on Multimedia, 2020, 22, 45-58. | 5.2 | 40 |
| 103 | Neural Network-Based Information Transfer for Dynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1557-1570. | 7.2 | 68 |
| 104 | Machine learning based video coding optimizations: A survey. Information Sciences, 2020, 506, 395-423. | 4.0 | 52 |
| 105 | Weighted multi-deep ranking supervised hashing for efficient image retrieval. International Journal of Machine Learning and Cybernetics, 2020, 11, 883-897. | 2.3 | 13 |
| 106 | Sparse Representation-Based Video Quality Assessment for Synthesized 3D Videos. IEEE Transactions on Image Processing, 2020, 29, 509-524. | 6.0 | 23 |
| 107 | An Underwater Image Enhancement Benchmark Dataset and Beyond. IEEE Transactions on Image Processing, 2020, 29, 4376-4389. | 6.0 | 805 |
| 108 | Extended Coding Unit Partitioning for Future Video Coding. IEEE Transactions on Image Processing, 2020, 29, 2931-2946. | 6.0 | 18 |

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| 109 | Towards Unsupervised Deep Image Enhancement With Generative Adversarial Network. IEEE Transactions on Image Processing, 2020, 29, 9140-9151. | 6.0 | 60 |
| 110 | Just Noticeable Distortion-Based Perceptual Rate Control in HEVC. IEEE Transactions on Image Processing, 2020, 29, 7603-7614. | 6.0 | 35 |
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| 112 | Light Field Spatial Super-Resolution via Deep Combinatorial Geometry Embedding and Structural Consistency Regularization. , 2020, , . | | 87 |
| 113 | Perceptually Weighted Mean Squared Error Based Rate-Distortion Optimization for HEVC. IEEE Transactions on Broadcasting, 2020, 66, 824-834. | 2.5 | 7 |
| 114 | Sparse Nonnegative Matrix Factorization Based on a Hyperbolic Tangent Approximation of $L_{>0}$ -Norm and Neurodynamic Optimization. , 2020, , . | | 5 |
| 115 | Alternative Mutation Operators in Collaborative Neurodynamic Optimization. , 2020, , . | | 3 |
| 116 | Learning to Explore Saliency for Stereoscopic Videos Via Component-Based Interaction. IEEE Transactions on Image Processing, 2020, 29, 5722-5736. | 6.0 | 6 |
| 117 | Clustering-Aware Graph Construction: A Joint Learning Perspective. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 357-370. | 1.6 | 11 |
| 118 | A JND Dataset Based on VVC Compressed Images. , 2020, , . | | 8 |
| 119 | A Discrete-Time Neurodynamic Approach to Sparsity-Constrained Nonnegative Matrix Factorization. Neural Computation, 2020, 32, 1531-1562. | 1.3 | 10 |
| 120 | Loss Functions of Generative Adversarial Networks (GANs): Opportunities and Challenges. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 500-522. | 3.4 | 30 |
| 121 | An Ensemble Rate Adaptation Framework for Dynamic Adaptive Streaming Over HTTP. IEEE Transactions on Broadcasting, 2020, 66, 251-263. | 2.5 | 22 |
| 122 | Pairwise Constraint Propagation With Dual Adversarial Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5575-5587. | 7.2 | 16 |
| 123 | Just Noticeable Difference Level Prediction for Perceptual Image Compression. IEEE Transactions on Broadcasting, 2020, 66, 690-700. | 2.5 | 21 |
| 124 | Efficient In-Loop Filtering Based on Enhanced Deep Convolutional Neural Networks for HEVC. IEEE Transactions on Image Processing, 2020, 29, 5352-5366. | 6.0 | 60 |
| 125 | Multi-Exposure Decomposition-Fusion Model for High Dynamic Range Image Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4409-4420. | 5.6 | 12 |
| 126 | Incremental hashing with sample selection using dominant sets. International Journal of Machine Learning and Cybernetics, 2020, 11, 2689-2702. | 2.3 | 6 |

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| 127 | Intra Frame Rate Control for Versatile Video Coding with Quadratic Rate-Distortion Modelling. , 2020, , . | | 16 |
| 128 | Training error and sensitivity-based ensemble feature selection. International Journal of Machine Learning and Cybernetics, 2020, 11, 2313-2326. | 2.3 | 7 |
| 129 | DSRPH: Deep semantic-aware ranking preserving hashing for efficient multi-label image retrieval. Information Sciences, 2020, 539, 145-156. | 4.0 | 16 |
| 130 | Spatial and Temporal Consistency-Aware Dynamic Adaptive Streaming for 360-Degree Videos. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 177-193. | 7.3 | 28 |
| 131 | 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. | 1.2 | 48 |
| 132 | Global Rate-Distortion Optimization-Based Rate Control for HEVC HDR Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4648-4662. | 5.6 | 17 |
| 133 | Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7398-7410. | 2.4 | 32 |
| 134 | A Novel (<i>t</i> , <i>s</i> , <i>k</i> , <i>n</i>)-Threshold Visual Secret Sharing Scheme Based on Access Structure Partition. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21. | 3.0 | 21 |
| 135 | Particle Swarm Optimization with Hybrid Ring Topology for Multimodal Optimization Problems. , 2020, , . | | 5 |
| 136 | Frame-level Bit Allocation Optimization Based on Video Content Characteristics for HEVC. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-20. | 3.0 | 21 |
| 137 | PUGeo-Net: A Geometry-Centric Network for 3D Point Cloud Upsampling. Lecture Notes in Computer Science, 2020, , 752-769. | 1.0 | 63 |
| 138 | Light Field Super-resolution via Attention-Guided Fusion of Hybrid Lenses. , 2020, , . | | 19 |
| 139 | Complexity Control in the HEVC Intracoding for Industrial Video Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 1437-1449. | 7.2 | 15 |
| 140 | Learning to Decompose: A Paradigm for Decomposition-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 376-390. | 7.5 | 77 |
| 141 | An Improved Artificial Bee Colony Algorithm With its Application. IEEE Transactions on Industrial Informatics, 2019, 15, 1853-1865. | 7.2 | 60 |
| 142 | ToBio: Global Pathway Similarity Search Based on Topological and Biological Features. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 336-349. | 1.9 | 4 |
| 143 | PathEmb: Random Walk Based Document Embedding for Global Pathway Similarity Search. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1329-1335. | 3.9 | 5 |
| 144 | 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. | 2.7 | 175 |

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| 145 | Statistical Early Termination and Early Skip Models for Fast Mode Decision in HEVC INTRA Coding. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-23. | 3.0 | 12 |
| 146 | Content-oriented image quality assessment with multi-label SVM classifier. Signal Processing: Image Communication, 2019, 78, 388-397. | 1.8 | 5 |
| 147 | Semi-Supervised Non-Negative Matrix Factorization With Dissimilarity and Similarity Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-12. | 7.2 | 31 |
| 148 | A Multi-Grained Parallel Solution for HEVC Encoding on Heterogeneous Platforms. IEEE Transactions on Multimedia, 2019, 21, 2997-3009. | 5.2 | 6 |
| 149 | Fast Coding Unit Decision for Intra Screen Content Coding Based on Ensemble Learning. , 2019, , . | | 7 |
| 150 | A Niching Memetic Algorithm for Multi-Solution Traveling Salesman Problem. IEEE Transactions on Evolutionary Computation, 2019, , 1-1. | 7.5 | 27 |
| 151 | Dynamic Cooperative Coevolution for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 935-948. | 7.5 | 38 |
| 152 | Extended Quad-Tree Partitioning for Future Video Coding. , 2019, , . | | 28 |
| 153 | Early Cancer Detection from Multianalyte Blood Test Results. IScience, 2019, 15, 332-341. | 1.9 | 20 |
| 154 | Superpixel Segmentation Based on Square-Wise Asymmetric Partition and Structural Approximation. IEEE Transactions on Multimedia, 2019, 21, 2625-2637. | 5.2 | 10 |
| 155 | Simultaneous Dimensionality Reduction and Classification via Dual Embedding Regularized Nonnegative Matrix Factorization. IEEE Transactions on Image Processing, 2019, 28, 3836-3847. | 6.0 | 28 |
| 156 | IDeRs: Iterative dehazing method for single remote sensing image. Information Sciences, 2019, 489, 50-62. | 4.0 | 38 |
| 157 | Reinforcement learning based coding unit early termination algorithm for high efficiency video coding. Journal of Visual Communication and Image Representation, 2019, 60, 276-286. | 1.7 | 17 |
| 158 | SSIM-Based Global Optimization for CTU-Level Rate Control in HEVC. IEEE Transactions on Multimedia, 2019, 21, 1921-1933. | 5.2 | 48 |
| 159 | Incremental Hashing with Undersampling. , 2019, , . | | 1 |
| 160 | Coevolutionary Particle Swarm Optimization With Bottleneck Objective Learning Strategy for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 587-602. | 7.5 | 194 |
| 161 | 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. | 2.5 | 31 |
| 162 | DECAL: Decomposition-Based Coevolutionary Algorithm for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2019, 49, 27-41. | 6.2 | 30 |

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| 163 | Distributed Cooperative Co-Evolution With Adaptive Computing Resource Allocation for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 188-202. | 7.5 | 75 |
| 164 | Sparse Bayesian Learning-Based Kernel Poisson Regression. IEEE Transactions on Cybernetics, 2019, 49, 56-68. | 6.2 | 12 |
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