# Qingbo Wu

## List of Publications by Year
in descending order

| 101 papers | 2,545 citations | 236612<br>25 h-index | 214527<br>47 g-index |
|---|---|---|---|
| 103 all docs | 103 docs citations | 103 times ranked | 2030 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Waterloo Exploration Database: New Challenges for Image Quality Assessment Models. IEEE Transactions on Image Processing, 2017, 26, 1004-1016. | 6.0 | 411 |
| 2 | A Fast HEVC Inter CU Selection Method Based on Pyramid Motion Divergence. IEEE Transactions on Multimedia, 2014, 16, 559-564. | 5.2 | 236 |
| 3 | Blind Image Quality Assessment Based on Multichannel Feature Fusion and Label Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 425-440. | 5.6 | 137 |
| 4 | LETRIST: Locally Encoded Transform Feature Histogram for Rotation-Invariant Texture Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1565-1579. | 5.6 | 108 |
| 5 | MRF-Based Fast HEVC Inter CU Decision With the Variance of Absolute Differences. IEEE Transactions on Multimedia, 2014, 16, 2141-2153. | 5.2 | 101 |
| 6 | A highly efficient method for blind image quality assessment. , 2015, , . | | 96 |
| 7 | Fast HEVC Inter CU Decision Based on Latent SAD Estimation. IEEE Transactions on Multimedia, 2015, 17, 2147-2159. | 5.2 | 72 |
| 8 | Noise-Robust Texture Description Using Local Contrast Patterns via Global Measures. IEEE Signal Processing Letters, 2014, 21, 93-96. | 2.1 | 69 |
| 9 | Key-Word-Aware Network for Referring Expression Image Segmentation. Lecture Notes in Computer Science, 2018, , 38-54. | 1.0 | 69 |
| 10 | Simultaneously Detecting and Counting Dense Vehicles From Drone Images. IEEE Transactions on Industrial Electronics, 2019, 66, 9651-9662. | 5.2 | 61 |
| 11 | A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513. | 6.0 | 57 |
| 12 | Group MAD Competition? A New Methodology to Compare Objective Image Quality Models. , 2016, , . | | 56 |
| 13 | A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. Remote Sensing, 2019, 11, 1594. | 1.8 | 53 |
| 14 | Blind Image Quality Assessment Using Local Consistency Aware Retriever and Uncertainty Aware Evaluator. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2078-2089. | 5.6 | 45 |
| 15 | Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504. | 5.2 | 44 |
| 16 | Exploring space–frequency co-occurrences via local quantized patterns for texture representation. Pattern Recognition, 2015, 48, 2621-2632. | 5.1 | 36 |
| 17 | Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864. | 9.7 | 36 |
| 18 | High-Quality R-CNN Object Detection Using Multi-Path Detection Calibration Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 715-727. | 5.6 | 36 |

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|---|---------|-----|-----------|
| 19 | Global and local semantics-preserving based deep hashing for cross-modal retrieval. Neurocomputing, 2018, 312, 49-62. | 3.5 | 35 |
| 20 | Unsupervised Multiclass Region Cosegmentation via Ensemble Clustering and Energy Minimization. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 789-801. | 5.6 | 32 |
| 21 | Feature Adaptive Co-Segmentation by Complexity Awareness. IEEE Transactions on Image Processing, 2013, 22, 4809-4824. | 6.0 | 31 |
| 22 | No reference image quality assessment metric via multi-domain structural information and piecewise regression. Journal of Visual Communication and Image Representation, 2015, 32, 205-216. | 1.7 | 31 |
| 23 | PBC: Polygon-Based Classifier for Fine-Grained Categorization. IEEE Transactions on Multimedia, 2017, 19, 673-684. | 5.2 | 30 |
| 24 | Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560. | 5.2 | 30 |
| 25 | Learning Interleaved Cascade of Shrinkage Fields for Joint Image Dehazing and Denoising. IEEE Transactions on Image Processing, 2020, 29, 1788-1801. | 6.0 | 30 |
| 26 | Subjective and Objective De-Raining Quality Assessment Towards Authentic Rain Image. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3883-3897. | 5.6 | 30 |
| 27 | Hierarchical Context Features Embedding for Object Detection. IEEE Transactions on Multimedia, 2020, 22, 3039-3050. | 5.2 | 29 |
| 28 | Toward a Blind Quality Metric for Temporally Distorted Streaming Video. IEEE Transactions on Broadcasting, 2018, 64, 367-378. | 2.5 | 26 |
| 29 | HeadNet: An End-to-End Adaptive Relational Network for Head Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 482-494. | 5.6 | 26 |
| 30 | Discriminative deep metric learning for asymmetric discrete hashing. Neurocomputing, 2020, 380, 115-124. | 3.5 | 26 |
| 31 | Hierarchical Parsing Net: Semantic Scene Parsing From Global Scene to Objects. IEEE Transactions on Multimedia, 2018, 20, 2670-2682. | 5.2 | 25 |
| 32 | Offset Bin Classification Network for Accurate Object Detection. , 2020, , . | | 23 |
| 33 | Weakly Supervised Semantic Segmentation by a Class-Level Multiple Group Cosegmentation and Foreground Fusion Strategy. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4823-4836. | 5.6 | 23 |
| 34 | Semi-supervised manifold-embedded hashing with joint feature representation and classifier learning. Pattern Recognition, 2017, 68, 99-110. | 5.1 | 22 |
| 35 | Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension. , 2020, , . | | 22 |
| 36 | Video Object Segmentation via Global Consistency Aware Query Strategy. IEEE Transactions on Multimedia, 2017, 19, 1482-1493. | 5.2 | 20 |

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|---|---------|-----|-----------|
| 37 | Parametric Deformable Exponential Linear Units for deep neural networks. Neural Networks, 2020, 125, 281-289. | 3.3 | 20 |
| 38 | Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322. | 5.2 | 18 |
| 39 | Query Reconstruction Network for Referring Expression Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 995-1007. | 5.2 | 17 |
| 40 | QualityNet: Segmentation quality evaluation with deep convolutional networks. , 2016, , . | | 15 |
| 41 | Manifold-ranking embedded order preserving hashing for image semantic retrieval. Journal of Visual Communication and Image Representation, 2017, 44, 29-39. | 1.7 | 15 |
| 42 | Weakly Supervised Part Proposal Segmentation From Multiple Images. IEEE Transactions on Image Processing, 2017, 26, 4019-4031. | 6.0 | 15 |
| 43 | Deep Saliency Quality Assessment Network With Joint Metric. IEEE Access, 2018, 6, 913-924. | 2.6 | 15 |
| 44 | An Unsupervised Method to Extract Video Object via Complexity Awareness and Object Local Parts. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1580-1594. | 5.6 | 15 |
| 45 | Gaze-Assisted Multi-Stream Deep Neural Network for Action Recognition. IEEE Access, 2017, 5, 19432-19441. | 2.6 | 14 |
| 46 | A New Deep Segmentation Quality Assessment Network for Refining Bounding Box Based Segmentation. IEEE Access, 2019, 7, 59514-59523. | 2.6 | 14 |
| 47 | Generic Proposal Evaluator: A Lazy Learning Strategy Toward Blind Proposal Quality Assessment. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 306-319. | 4.7 | 11 |
| 48 | Fast and efficient inter CU decision for high efficiency video coding. , 2014, , . | | 10 |
| 49 | SPIQ: A Self-Supervised Pre-Trained Model for Image Quality Assessment. IEEE Signal Processing Letters, 2022, 29, 513-517. | 2.1 | 10 |
| 50 | Boosting Scene Parsing Performance via Reliable Scale Prediction. , 2018, , . | | 8 |
| 51 | Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , . | | 8 |
| 52 | No reference image quality metric via distortion identification and multi-channel label transfer. , 2014, , . | | 7 |
| 53 | Globally Measuring the Similarity of Superpixels by Binary Edge Maps for Superpixel Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 906-919. | 5.6 | 7 |
| 54 | Instance-level Context Attention Network for instance segmentation. Neurocomputing, 2022, 472, 124-137. | 3.5 | 7 |

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|---|---------|-----|-----------|
| 55 | Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , . | | 6 |
| 56 | L2SSP: Robust keypoint description using local second-order statistics with soft-pooling. Neurocomputing, 2017, 230, 230-242. | 3.5 | 6 |
| 57 | Boundary-Guided Optimization Framework for Saliency Refinement. IEEE Signal Processing Letters, 2018, 25, 491-495. | 2.1 | 6 |
| 58 | Region Adaptive Two-Shot Network For Single Image Dehazing. , 2020, , . | | 6 |
| 59 | Bal-R$^2$CNN: High Quality Recurrent Object Detection With Balance Optimization. IEEE Transactions on Multimedia, 2022, 24, 1558-1569. | 5.2 | 6 |
| 60 | Task-Specific Loss for Robust Instance Segmentation With Noisy Class Labels. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 213-227. | 5.6 | 6 |
| 61 | Segmentation quality evaluation based on multi-scale convolutional neural networks. , 2017, , . | | 5 |
| 62 | A classification and clustering method for tracking multiple objects. , 2018, , . | | 5 |
| 63 | Non-Homogeneous Haze Removal via Artificial Scene Prior and Bidimensional Graph Reasoning. IEEE Transactions on Image Processing, 2021, 30, 9136-9149. | 6.0 | 5 |
| 64 | Store classification using Text-Exemplar-Similarity and Hypotheses-Weighted-CNN. Journal of Visual Communication and Image Representation, 2017, 44, 21-28. | 1.7 | 4 |
| 65 | Deep saliency quality assessment network. , 2017, , . | | 4 |
| 66 | Multi-task Learning for Deep Semantic Hashing. , 2018, , . | | 4 |
| 67 | Class Activation Map Generation by Multiple Level Class Grouping and Orthogonal Constraint. , 2019, , . | | 4 |
| 68 | Single Image Dehazing Via Region Adaptive Two-Shot Network. IEEE MultiMedia, 2021, 28, 97-106. | 1.5 | 4 |
| 69 | Multi Information Fusion Network for Saliency Quality Assessment. IEICE Transactions on Information and Systems, 2019, E102.D, 1111-1114. | 0.4 | 4 |
| 70 | POS-Trends Dynamic-Aware Model for Video Caption. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4751-4764. | 5.6 | 4 |
| 71 | Mode dependent down-sampling and interpolation scheme for high efficiency video coding. Signal Processing: Image Communication, 2013, 28, 581-596. | 1.8 | 3 |
| 72 | Weakly Supervised Semantic Segmentation by Multiple Group Cosegmentation. , 2018, , . | | 3 |

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|---|---------|----|-----------|
| 73 | Single Image Dehazing Via Artificial Multiple Shots And Multidimensional Context. , 2020, , . | | 3 |
| 74 | Salient Object Detection and Segmentation via Ultra-Contrast. IEEE Access, 2018, 6, 14870-14883. | 2.6 | 2 |
| 75 | Multi-Scale Shape Adaptive Network for Raindrop Detection and Removal from a Single Image. Sensors, 2020, 20, 6733. | 2.1 | 2 |
| 76 | Behaviour detection in crowded classroom scenes via enhancing features robust to scale and perspective variations. IET Image Processing, 2021, 15, 3466-3475. | 1.4 | 2 |
| 77 | A Novel Joint Rate Distortion Optimization Scheme for Intra Prediction Coding in H.264/AVC. IEICE Transactions on Information and Systems, 2014, E97.D, 989-992. | 0.4 | 1 |
| 78 | GIP: Generic Image Prior for No Reference Image Quality Assessment. Lecture Notes in Computer Science, 2016, , 600-608. | 1.0 | 1 |
| 79 | Strongly connected component multi-object tracking. , 2016, , . | | 1 |
| 80 | Improving object proposals with top-down cues. Signal Processing: Image Communication, 2017, 56, 20-27. | 1.8 | 1 |
| 81 | Blind proposal quality assessment via deep objectness representation and local linear regression. , 2017, , . | | 1 |
| 82 | A CNN-based segmentation model for segmenting foreground by a probability map. , 2017, , . | | 1 |
| 83 | Blind Image Sharpness Assessment And Enhancement via Deep Auxiliary Learning. , 2019, , . | | 1 |
| 84 | A New Few-shot Segmentation Network Based on Class Representation. , 2019, , . | | 1 |
| 85 | Self-Supervised Learning of Video Representation for Anticipating Actions in Early Stage. IEICE Transactions on Information and Systems, 2018, E101.D, 1449-1452. | 0.4 | 1 |
| 86 | Mining Larger Class Activation Map with Common Attribute Labels. , 2020, , . | | 1 |
| 87 | Haze-robust image understanding via context-aware deep feature refinement. , 2020, , . | | 1 |
| 88 | Directional samples reordering for intra residual transform. , 2011, , . | | 0 |
| 89 | Mode dependent deblocking filter for video coding. , 2012, , . | | 0 |
| 90 | Mode dependent loop filter for intra prediction coding in H.264/AVC. Journal of Visual Communication and Image Representation, 2013, 24, 988-1001. | 1.7 | 0 |

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|---|---------|-----|-----------|
| 91 | Improved Intra Prediction Coding Scheme Based on Minimum Distance Prediction for H.264/AVC. IEICE Transactions on Information and Systems, 2013, E96.D, 980-983. | 0.4 | 0 |
| 92 | A Segmentation-Based Chroma Intra Prediction Coding Scheme for H.264/AVC. Circuits, Systems, and Signal Processing, 2014, 33, 939-957. | 1.2 | 0 |
| 93 | A Combing Top-Down and Bottom-Up Discriminative Dictionaries Learning for Non-specific Object Detection. IEICE Transactions on Information and Systems, 2014, E97.D, 1367-1370. | 0.4 | 0 |
| 94 | Foreground Segmentation via Dynamic Programming. IEICE Transactions on Information and Systems, 2014, E97.D, 2818-2822. | 0.4 | 0 |
| 95 | Discriminative Semantic Parts Learning for Object Detection. IEICE Transactions on Information and Systems, 2015, E98.D, 1434-1438. | 0.4 | 0 |
| 96 | Part propagation for local part segmentation. , 2016, , . | | 0 |
| 97 | Mining Spatial Temporal Saliency Structure for Action Recognition. IEICE Transactions on Information and Systems, 2016, E99.D, 2643-2646. | 0.4 | 0 |
| 98 | Frame-skip Convolutional Neural Networks for action recognition. , 2017, , . | | 0 |
| 99 | A Propagation Method for Multi Object Tracklet Repair. IEICE Transactions on Information and Systems, 2018, E101.D, 2413-2416. | 0.4 | 0 |
| 100 | A Fast Object Proposal Assessment Method Based on Edge Directions. , 2018, , . | | 0 |
| 101 | A multi-scale language embedding network for proposal-free referring expression comprehension. , 2021, , . | | 0 |