

Qingbo Wu

List of Publications by Year in descending order

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101
papers

2,545
citations

236612

25
h-index

214527

47
g-index

103
all docs

103
docs citations

103
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Bal-R ² CNN: High Quality Recurrent Object Detection With Balance Optimization. IEEE Transactions on Multimedia, 2022, 24, 1558-1569.	5.2	6
3	Instance-level Context Attention Network for instance segmentation. Neurocomputing, 2022, 472, 124-137.	3.5	7
4	POS-Trends Dynamic-Aware Model for Video Caption. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4751-4764.	5.6	4
5	SPIQ: A Self-Supervised Pre-Trained Model for Image Quality Assessment. IEEE Signal Processing Letters, 2022, 29, 513-517.	2.1	10
6	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
7	Query Reconstruction Network for Referring Expression Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 995-1007.	5.2	17
8	A multi-scale language embedding network for proposal-free referring expression comprehension. , 2021, , .		0
9	Single Image Dehazing Via Region Adaptive Two-Shot Network. IEEE MultiMedia, 2021, 28, 97-106.	1.5	4
10	Non-Homogeneous Haze Removal via Artificial Scene Prior and Bidimensional Graph Reasoning. IEEE Transactions on Image Processing, 2021, 30, 9136-9149.	6.0	5
11	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
12	Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864.	9.7	36
13	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
14	Learning Interleaved Cascade of Shrinkage Fields for Joint Image Dehazing and Denoising. IEEE Transactions on Image Processing, 2020, 29, 1788-1801.	6.0	30
15	Discriminative deep metric learning for asymmetric discrete hashing. Neurocomputing, 2020, 380, 115-124.	3.5	26
16	Single Image Dehazing Via Artificial Multiple Shots And Multidimensional Context. , 2020, , .		3
17	Offset Bin Classification Network for Accurate Object Detection. , 2020, , .		23
18	Multi-Scale Shape Adaptive Network for Raindrop Detection and Removal from a Single Image. Sensors, 2020, 20, 6733.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Region Adaptive Two-Shot Network For Single Image Dehazing. , 2020, , .		6
20	Parametric Deformable Exponential Linear Units for deep neural networks. Neural Networks, 2020, 125, 281-289.	3.3	20
21	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
22	Hierarchical Context Features Embedding for Object Detection. IEEE Transactions on Multimedia, 2020, 22, 3039-3050.	5.2	29
23	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
24	Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension. , 2020, , .		22
25	Mining Larger Class Activation Map with Common Attribute Labels. , 2020, , .		1
26	Haze-robust image understanding via context-aware deep feature refinement. , 2020, , .		1
27	Blind Image Sharpness Assessment And Enhancement via Deep Auxiliary Learning. , 2019, , .		1
28	A New Deep Segmentation Quality Assessment Network for Refining Bounding Box Based Segmentation. IEEE Access, 2019, 7, 59514-59523.	2.6	14
29	A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. Remote Sensing, 2019, 11, 1594.	1.8	53
30	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , .		8
31	Simultaneously Detecting and Counting Dense Vehicles From Drone Images. IEEE Transactions on Industrial Electronics, 2019, 66, 9651-9662.	5.2	61
32	Class Activation Map Generation by Multiple Level Class Grouping and Orthogonal Constraint. , 2019, , .		4
33	A New Few-shot Segmentation Network Based on Class Representation. , 2019, , .		1
34	Multi Information Fusion Network for Saliency Quality Assessment. IEICE Transactions on Information and Systems, 2019, E102.D, 1111-1114.	0.4	4
35	Boundary-Guided Optimization Framework for Saliency Refinement. IEEE Signal Processing Letters, 2018, 25, 491-495.	2.1	6
36	Salient Object Detection and Segmentation via Ultra-Contrast. IEEE Access, 2018, 6, 14870-14883.	2.6	2

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37	Deep Saliency Quality Assessment Network With Joint Metric. IEEE Access, 2018, 6, 913-924.	2.6	15
38	Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322.	5.2	18
39	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513.	6.0	57
40	Toward a Blind Quality Metric for Temporally Distorted Streaming Video. IEEE Transactions on Broadcasting, 2018, 64, 367-378.	2.5	26
41	A classification and clustering method for tracking multiple objects. , 2018, , .		5
42	Hierarchical Parsing Net: Semantic Scene Parsing From Global Scene to Objects. IEEE Transactions on Multimedia, 2018, 20, 2670-2682.	5.2	25
43	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
44	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
45	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
46	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
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	Multi-task Learning for Deep Semantic Hashing. , 2018, , .		4
49	Weakly Supervised Semantic Segmentation by Multiple Group Cosegmentation. , 2018, , .		3
50	Boosting Scene Parsing Performance via Reliable Scale Prediction. , 2018, , .		8
51	A Propagation Method for Multi Object Tracklet Repair. IEICE Transactions on Information and Systems, 2018, E101.D, 2413-2416.	0.4	0
52	A Fast Object Proposal Assessment Method Based on Edge Directions. , 2018, , .		0
53	Global and local semantics-preserving based deep hashing for cross-modal retrieval. Neurocomputing, 2018, 312, 49-62.	3.5	35
54	Key-Word-Aware Network for Referring Expression Image Segmentation. Lecture Notes in Computer Science, 2018, , 38-54.	1.0	69

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55	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
56	Store classification using Text-Exemplar-Similarity and Hypotheses-Weighted-CNN. Journal of Visual Communication and Image Representation, 2017, 44, 21-28.	1.7	4
57	Manifold-ranking embedded order preserving hashing for image semantic retrieval. Journal of Visual Communication and Image Representation, 2017, 44, 29-39.	1.7	15
58	Semi-supervised manifold-embedded hashing with joint feature representation and classifier learning. Pattern Recognition, 2017, 68, 99-110.	5.1	22
59	Video Object Segmentation via Global Consistency Aware Query Strategy. IEEE Transactions on Multimedia, 2017, 19, 1482-1493.	5.2	20
60	Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504.	5.2	44
61	PBC: Polygon-Based Classifier for Fine-Grained Categorization. IEEE Transactions on Multimedia, 2017, 19, 673-684.	5.2	30
62	Waterloo Exploration Database: New Challenges for Image Quality Assessment Models. IEEE Transactions on Image Processing, 2017, 26, 1004-1016.	6.0	411
63	Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560.	5.2	30
64	Improving object proposals with top-down cues. Signal Processing: Image Communication, 2017, 56, 20-27.	1.8	1
65	Weakly Supervised Part Proposal Segmentation From Multiple Images. IEEE Transactions on Image Processing, 2017, 26, 4019-4031.	6.0	15
66	L2SSP: Robust keypoint description using local second-order statistics with soft-pooling. Neurocomputing, 2017, 230, 230-242.	3.5	6
67	Gaze-Assisted Multi-Stream Deep Neural Network for Action Recognition. IEEE Access, 2017, 5, 19432-19441.	2.6	14
68	Blind proposal quality assessment via deep objectness representation and local linear regression. , 2017, , .		1
69	Deep saliency quality assessment network. , 2017, , .		4
70	Frame-skip Convolutional Neural Networks for action recognition. , 2017, , .		0
71	A CNN-based segmentation model for segmenting foreground by a probability map. , 2017, , .		1
72	Segmentation quality evaluation based on multi-scale convolutional neural networks. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
73	Group MAD Competition? A New Methodology to Compare Objective Image Quality Models. , 2016, , .		56
74	GIP: Generic Image Prior for No Reference Image Quality Assessment. Lecture Notes in Computer Science, 2016, , 600-608.	1.0	1
75	Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , .		6
76	QualityNet: Segmentation quality evaluation with deep convolutional networks. , 2016, , .		15
77	Part propagation for local part segmentation. , 2016, , .		0
78	Mining Spatial Temporal Saliency Structure for Action Recognition. IEICE Transactions on Information and Systems, 2016, E99.D, 2643-2646.	0.4	0
79	Strongly connected component multi-object tracking. , 2016, , .		1
80	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
81	Discriminative Semantic Parts Learning for Object Detection. IEICE Transactions on Information and Systems, 2015, E98.D, 1434-1438.	0.4	0
82	A highly efficient method for blind image quality assessment. , 2015, , .		96
83	Exploring spaceâ€“frequency co-occurrences via local quantized patterns for texture representation. Pattern Recognition, 2015, 48, 2621-2632.	5.1	36
84	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
85	Fast HEVC Inter CU Decision Based on Latent SAD Estimation. IEEE Transactions on Multimedia, 2015, 17, 2147-2159.	5.2	72
86	Fast and efficient inter CU decision for high efficiency video coding. , 2014, , .		10
87	Noise-Robust Texture Description Using Local Contrast Patterns via Global Measures. IEEE Signal Processing Letters, 2014, 21, 93-96.	2.1	69
88	MRF-Based Fast HEVC Inter CU Decision With the Variance of Absolute Differences. IEEE Transactions on Multimedia, 2014, 16, 2141-2153.	5.2	101
89	A Segmentation-Based Chroma Intra Prediction Coding Scheme for H.264/AVC. Circuits, Systems, and Signal Processing, 2014, 33, 939-957.	1.2	0
90	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

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91	No reference image quality metric via distortion identification and multi-channel label transfer. , 2014, , .		7
92	A Fast HEVC Inter CU Selection Method Based on Pyramid Motion Divergence. IEEE Transactions on Multimedia, 2014, 16, 559-564.	5.2	236
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	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
96	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
97	Feature Adaptive Co-Segmentation by Complexity Awareness. IEEE Transactions on Image Processing, 2013, 22, 4809-4824.	6.0	31
98	Mode dependent down-sampling and interpolation scheme for high efficiency video coding. Signal Processing: Image Communication, 2013, 28, 581-596.	1.8	3
99	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
100	Mode dependent deblocking filter for video coding. , 2012, , .		0
101	Directional samples reordering for intra residual transform. , 2011, , .		0