

Hongliang Li

List of Publications by Year in descending order

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108
papers

3,016
citations

186265

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109
all docs

109
docs citations

109
times ranked

2138
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.	8.3	6
2	Bal-R ² CNN: High Quality Recurrent Object Detection With Balance Optimization. IEEE Transactions on Multimedia, 2022, 24, 1558-1569.	7.2	6
3	Segmenting Beyond the Bounding Box for Instance Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 704-714.	8.3	15
4	Occupancy Map Guided Fast Video-Based Dynamic Point Cloud Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 813-825.	8.3	26
5	Blind Image Deblurring via Superpixel Segmentation Prior. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1467-1482.	8.3	7
6	Instance-level Context Attention Network for instance segmentation. Neurocomputing, 2022, 472, 124-137.	5.9	7
7	POS-Trends Dynamic-Aware Model for Video Caption. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4751-4764.	8.3	4
8	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.	8.3	36
9	Robust Texture Description Using Local Grouped Order Pattern and Non-Local Binary Pattern. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 189-202.	8.3	44
10	Query Reconstruction Network for Referring Expression Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 995-1007.	7.2	17
11	Single Image Dehazing Via Region Adaptive Two-Shot Network. IEEE MultiMedia, 2021, 28, 97-106.	1.7	4
12	Non-Homogeneous Haze Removal via Artificial Scene Prior and Bidimensional Graph Reasoning. IEEE Transactions on Image Processing, 2021, 30, 9136-9149.	9.8	5
13	Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864.	13.9	36
14	HeadNet: An End-to-End Adaptive Relational Network for Head Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 482-494.	8.3	26
15	Single Image Dehazing Via Artificial Multiple Shots And Multidimensional Context. , 2020, , .		3
16	Offset Bin Classification Network for Accurate Object Detection. , 2020, , .		23
17	Multi-Scale Shape Adaptive Network for Raindrop Detection and Removal from a Single Image. Sensors, 2020, 20, 6733.	3.8	2
18	Guest Editorial Introduction to the Special Section on Intelligent Visual Content Analysis and Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4405-4408.	8.3	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.	5.9	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.	8.3	30
22	Hierarchical Context Features Embedding for Object Detection. IEEE Transactions on Multimedia, 2020, 22, 3039-3050.	7.2	29
23	Hybrid-loss supervision for deep neural network. Neurocomputing, 2020, 388, 78-89.	5.9	9
24	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.	8.3	23
25	Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension. , 2020, , .		22
26	Mining Larger Class Activation Map with Common Attribute Labels. , 2020, , .		1
27	CODAN: Counting-driven Attention Network for Vehicle Detection in Congested Scenes. , 2020, , .		8
28	Haze-robust image understanding via context-aware deep feature refinement. , 2020, , .		1
29	Blind Image Sharpness Assessment And Enhancement via Deep Auxiliary Learning. , 2019, , .		1
30	A New Deep Segmentation Quality Assessment Network for Refining Bounding Box Based Segmentation. IEEE Access, 2019, 7, 59514-59523.	4.2	14
31	A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. Remote Sensing, 2019, 11, 1594.	4.0	53
32	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , .		8
33	Simultaneously Detecting and Counting Dense Vehicles From Drone Images. IEEE Transactions on Industrial Electronics, 2019, 66, 9651-9662.	7.9	61
34	Class Activation Map Generation by Multiple Level Class Grouping and Orthogonal Constraint. , 2019, , .		4
35	A New Few-shot Segmentation Network Based on Class Representation. , 2019, , .		1
36	Boundary-Guided Optimization Framework for Saliency Refinement. IEEE Signal Processing Letters, 2018, 25, 491-495.	3.6	6

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37	Salient Object Detection and Segmentation via Ultra-Contrast. IEEE Access, 2018, 6, 14870-14883.	4.2	2
38	Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322.	7.2	18
39	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513.	9.8	57
40	Toward a Blind Quality Metric for Temporally Distorted Streaming Video. IEEE Transactions on Broadcasting, 2018, 64, 367-378.	3.2	26
41	Hierarchical Parsing Net: Semantic Scene Parsing From Global Scene to Objects. IEEE Transactions on Multimedia, 2018, 20, 2670-2682.	7.2	25
42	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.	8.3	7
43	LETRIST: Locally Encoded Transform Feature Histogram for Rotation-Invariant Texture Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1565-1579.	8.3	108
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.	8.3	15
45	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.	8.3	45
46	Generic Proposal Evaluator: A Lazy Learning Strategy Toward Blind Proposal Quality Assessment. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 306-319.	8.0	11
47	Weakly Supervised Semantic Segmentation by Multiple Group Cosegmentation. , 2018, , .		3
48	Boosting Scene Parsing Performance via Reliable Scale Prediction. , 2018, , .		8
49	Key-Word-Aware Network for Referring Expression Image Segmentation. Lecture Notes in Computer Science, 2018, , 38-54.	1.3	69
50	Manifold-ranking embedded order preserving hashing for image semantic retrieval. Journal of Visual Communication and Image Representation, 2017, 44, 29-39.	2.8	15
51	Video Object Segmentation via Global Consistency Aware Query Strategy. IEEE Transactions on Multimedia, 2017, 19, 1482-1493.	7.2	20
52	Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504.	7.2	44
53	Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560.	7.2	30
54	Gaze-Based Object Segmentation. IEEE Signal Processing Letters, 2017, 24, 1493-1497.	3.6	9

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55	Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , .		6
56	Part propagation for local part segmentation. , 2016, , .		0
57	Cosegmentation of multiple image groups. Computer Vision and Image Understanding, 2016, 146, 67-76.	4.7	29
58	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.	8.3	137
59	Constrained Directed Graph Clustering and Segmentation Propagation for Multiple Foregrounds Cosegmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1735-1748.	8.3	31
60	Improved block level adaptive quantization for high efficiency video coding. , 2015, , .		14
61	A highly efficient method for blind image quality assessment. , 2015, , .		96
62	An Efficient Frame-Content Based Intra Frame Rate Control for High Efficiency Video Coding. IEEE Signal Processing Letters, 2015, 22, 896-900.	3.6	79
63	Exploring space-frequency co-occurrences via local quantized patterns for texture representation. Pattern Recognition, 2015, 48, 2621-2632.	8.1	36
64	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.	2.8	31
65	Fast HEVC Inter CU Decision Based on Latent SAD Estimation. IEEE Transactions on Multimedia, 2015, 17, 2147-2159.	7.2	72
66	Fast and efficient inter CU decision for high efficiency video coding. , 2014, , .		10
67	Noise-Robust Texture Description Using Local Contrast Patterns via Global Measures. IEEE Signal Processing Letters, 2014, 21, 93-96.	3.6	69
68	MRF-Based Fast HEVC Inter CU Decision With the Variance of Absolute Differences. IEEE Transactions on Multimedia, 2014, 16, 2141-2153.	7.2	101
69	Adaptive Interpolation for Pilot-Aided Channel Estimator in OFDM System. IEEE Transactions on Broadcasting, 2014, 60, 486-498.	3.2	22
70	Texture classification using joint statistical representation in space-frequency domain with local quantized patterns. , 2014, , .		3
71	Unsupervised Multiclass Region Cosegmentation via Ensemble Clustering and Energy Minimization. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 789-801.	8.3	32
72	No reference image quality metric via distortion identification and multi-channel label transfer. , 2014, , .		7

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73	Repairing Bad Co-Segmentation Using Its Quality Evaluation and Segment Propagation. IEEE Transactions on Image Processing, 2014, 23, 3545-3559.	9.8	24
74	Cosegmentation from similar backgrounds. , 2014, , .		10
75	A Fast HEVC Inter CU Selection Method Based on Pyramid Motion Divergence. IEEE Transactions on Multimedia, 2014, 16, 559-564.	7.2	236
76	Two-layer average-to-peak ratio based saliency detection. Signal Processing: Image Communication, 2013, 28, 55-68.	3.2	12
77	Local Polar DCT Features for Image Description. IEEE Signal Processing Letters, 2013, 20, 59-62.	3.6	40
78	Face Hallucination via Similarity Constraints. IEEE Signal Processing Letters, 2013, 20, 19-22.	3.6	14
79	WaveLBP based hierarchical features for image classification. Pattern Recognition Letters, 2013, 34, 1323-1328.	4.2	27
80	Saliency detection using joint spatial-color constraint and multi-scale segmentation. Journal of Visual Communication and Image Representation, 2013, 24, 465-476.	2.8	32
81	Saliency detection using a central stimuli sensitivity based model. , 2013, , .		0
82	Segmenting specific object based on logo detection. , 2013, , .		1
83	Complexity awareness based feature adaptive co-segmentation. , 2013, , .		2
84	Robust CFO Acquisition in PN-Padded OFDM Systems. ETRI Journal, 2013, 35, 706-709.	2.0	3
85	Complex Coefficient Interpolation Based Channel Estimation for OFDM in Single-Frequency Networks. , 2012, , .		0
86	Image co-segmentation via active contours. , 2012, , .		6
87	Mode dependent deblocking filter for video coding. , 2012, , .		0
88	Object Co-Segmentation Based on Shortest Path Algorithm and Saliency Model. IEEE Transactions on Multimedia, 2012, 14, 1429-1441.	7.2	127
89	Face Cartoon Synthesis Based on the Active Appearance Model. , 2012, , .		1
90	Saliency detection from joint embedding of spatial and color cues. , 2012, , .		2

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91	A new co-saliency model via pairwise constraint graph matching. , 2012, , .		8
92	Low-Complexity Iterative Equalization for Symbol-Reconstruction-Based OFDM Receivers Over Doubly Selective Channels. IEEE Transactions on Broadcasting, 2012, 58, 390-400.	3.2	20
93	Change detection in unregistered optical satellite images using combinatorial clustering method. , 2011, , .		0
94	A novel channel impulse response detection algorithm for OFDM receivers. , 2011, , .		0
95	Co-Channel Analog Television Interference in the TDS-OFDM-Based DTTB System: Consequences and Solutions. IEEE Transactions on Broadcasting, 2011, 57, 270-276.	3.2	3
96	A Co-Saliency Model of Image Pairs. IEEE Transactions on Image Processing, 2011, 20, 3365-3375.	9.8	287
97	Directional samples reordering for intra residual transform. , 2011, , .		0
98	Learning to Extract Focused Objects From Low DOF Images. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1571-1580.	8.3	25
99	Face hallucination method via eigenfaces estimation and Markov high-frequency compensation. , 2011, , .		0
100	Learn to segment attention object from low DoF image. , 2010, , .		0
101	Parallel-Filtering Based Equalization of OFDM over Doubly Selective Channels. , 2010, , .		1
102	PCA based unsupervised change detection for color satellite images under the quaternion model. , 2010, , .		1
103	Hybrid cascade of active/lazy boosting. , 2009, , .		0
104	FaceSeg: Automatic Face Segmentation for Real-Time Video. IEEE Transactions on Multimedia, 2009, 11, 77-88.	7.2	91
105	Saliency model-based face segmentation and tracking in head-and-shoulder video sequences. Journal of Visual Communication and Image Representation, 2008, 19, 320-333.	2.8	79
106	A Multiple Visual Models Based Perceptive Analysis Framework for Multilevel Video Summarization. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 273-285.	8.3	75
107	Automatic video segmentation and tracking for content-based applications. , 2007, 45, 27-33.		32
108	Rate control by partial differential equation modeling. , 0, , .		0