Hongliang Li

List of Publications by Year
in descending order

108 papers	3,016 citations	186265 28 h-index	182427 51 g-index
109 all docs	109 docs citations	109 times ranked	2138 citing authors

#	Article	IF	Citations
1	A Co-Saliency Model of Image Pairs. IEEE Transactions on Image Processing, 2011, 20, 3365-3375.	9.8	287
2	A Fast HEVC Inter CU Selection Method Based on Pyramid Motion Divergence. IEEE Transactions on Multimedia, 2014, 16, 559-564.	7.2	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.	8.3	137
4	Object Co-Segmentation Based on Shortest Path Algorithm and Saliency Model. IEEE Transactions on Multimedia, 2012, 14, 1429-1441.	7.2	127
5	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
6	MRF-Based Fast HEVC Inter CU Decision With the Variance of Absolute Differences. IEEE Transactions on Multimedia, 2014, 16, 2141-2153.	7.2	101
7	A highly efficient method for blind image quality assessment. , 2015, , .		96
8	FaceSeg: Automatic Face Segmentation for Real-Time Video. IEEE Transactions on Multimedia, 2009, 11, 77-88.	7.2	91
9	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
10	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
11	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
12	Fast HEVC Inter CU Decision Based on Latent SAD Estimation. IEEE Transactions on Multimedia, 2015, 17, 2147-2159.	7.2	72
13	Noise-Robust Texture Description Using Local Contrast Patterns via Global Measures. IEEE Signal Processing Letters, 2014, 21, 93-96.	3.6	69
14	Key-Word-Aware Network for Referring Expression Image Segmentation. Lecture Notes in Computer Science, 2018, , 38-54.	1.3	69
15	Simultaneously Detecting and Counting Dense Vehicles From Drone Images. IEEE Transactions on Industrial Electronics, 2019, 66, 9651-9662.	7.9	61
16	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513.	9.8	57
17	A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. Remote Sensing, 2019, 11, 1594.	4.0	53
18	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

#	Article	IF	Citations
19	Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504.	7.2	44
20	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
21	Local Polar DCT Features for Image Description. IEEE Signal Processing Letters, 2013, 20, 59-62.	3.6	40
22	Exploring space–frequency co-occurrences via local quantized patterns for texture representation. Pattern Recognition, 2015, 48, 2621-2632.	8.1	36
23	Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864.	13.9	36
24	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
25	Automatic video segmentation and tracking for content-based applications. , 2007, 45, 27-33.		32
26	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
27	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
28	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
29	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
30	Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560.	7.2	30
31	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
32	Cosegmentation of multiple image groups. Computer Vision and Image Understanding, 2016, 146, 67-76.	4.7	29
33	Hierarchical Context Features Embedding for Object Detection. IEEE Transactions on Multimedia, 2020, 22, 3039-3050.	7.2	29
34	WaveLBP based hierarchical features for image classification. Pattern Recognition Letters, 2013, 34, 1323-1328.	4.2	27
35	Toward a Blind Quality Metric for Temporally Distorted Streaming Video. IEEE Transactions on Broadcasting, 2018, 64, 367-378.	3.2	26
36	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

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37	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
38	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
39	Hierarchical Parsing Net: Semantic Scene Parsing From Global Scene to Objects. IEEE Transactions on Multimedia, 2018, 20, 2670-2682.	7.2	25
40	Repairing Bad Co-Segmentation Using Its Quality Evaluation and Segment Propagation. IEEE Transactions on Image Processing, 2014, 23, 3545-3559.	9.8	24
41	Offset Bin Classification Network for Accurate Object Detection. , 2020, , .		23
42	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
43	Adaptive Interpolation for Pilot-Aided Channel Estimator in OFDM System. IEEE Transactions on Broadcasting, 2014, 60, 486-498.	3.2	22
44	Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension. , 2020, , .		22
45	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
46	Video Object Segmentation via Global Consistency Aware Query Strategy. IEEE Transactions on Multimedia, 2017, 19, 1482-1493.	7.2	20
47	Parametric Deformable Exponential Linear Units for deep neural networks. Neural Networks, 2020, 125, 281-289.	5.9	20
48	Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322.	7.2	18
49	Query Reconstruction Network for Referring Expression Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 995-1007.	7.2	17
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	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
52	Segmenting Beyond the Bounding Box for Instance Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 704-714.	8.3	15
53	Face Hallucination via Similarity Constraints. IEEE Signal Processing Letters, 2013, 20, 19-22.	3.6	14
54	Improved block level adaptive quantization for high efficiency video coding. , 2015, , .		14

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55	A New Deep Segmentation Quality Assessment Network for Refining Bounding Box Based Segmentation. IEEE Access, 2019, 7, 59514-59523.	4.2	14
56	Two-layer average-to-peak ratio based saliency detection. Signal Processing: Image Communication, 2013, 28, 55-68.	3.2	12
57	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
58	Fast and efficient inter CU decision for high efficiency video coding. , 2014, , .		10
59	Cosegmentation from similar backgrounds. , 2014, , .		10
60	Gaze-Based Object Segmentation. IEEE Signal Processing Letters, 2017, 24, 1493-1497.	3.6	9
61	Hybrid-loss supervision for deep neural network. Neurocomputing, 2020, 388, 78-89.	5.9	9
62	A new co-saliency model via pairwise constraint graph matching. , 2012, , .		8
63	Boosting Scene Parsing Performance via Reliable Scale Prediction. , 2018, , .		8
64	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , .		8
65	CODAN: Counting-driven Attention Network for Vehicle Detection in Congested Scenes. , 2020, , .		8
66	No reference image quality metric via distortion identification and multi-channel label transfer. , 2014, , .		7
67	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
68	Blind Image Deblurring via Superpixel Segmentation Prior. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1467-1482.	8.3	7
69	Instance-level Context Attention Network for instance segmentation. Neurocomputing, 2022, 472, 124-137.	5.9	7
70	Image co-segmentation via active contours. , 2012, , .		6
71	Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , .		6
72	Boundary-Guided Optimization Framework for Saliency Refinement. IEEE Signal Processing Letters, 2018, 25, 491-495.	3.6	6

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73	Region Adaptive Two-Shot Network For Single Image Dehazing. , 2020, , .		6
74	Bal-R^{2}CNN: High Quality Recurrent Object Detection With Balance Optimization. IEEE Transactions on Multimedia, 2022, 24, 1558-1569.	7.2	6
75	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
76	Non-Homogeneous Haze Removal via Artificial Scene Prior and Bidimensional Graph Reasoning. IEEE Transactions on Image Processing, 2021, 30, 9136-9149.	9.8	5
77	Class Activation Map Generation by Multiple Level Class Grouping and Orthogonal Constraint. , 2019, , .		4
78	Single Image Dehazing Via Region Adaptive Two-Shot Network. IEEE MultiMedia, 2021, 28, 97-106.	1.7	4
79	POS-Trends Dynamic-Aware Model for Video Caption. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4751-4764.	8.3	4
80	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
81	Robust CFO Acquisition in PN-Padded OFDM Systems. ETRI Journal, 2013, 35, 706-709.	2.0	3
82	Texture classification using joint statistical representation in space-frequency domain with local quantized patterns. , 2014, , .		3
83	Weakly Supervised Semantic Segmentation by Multiple Group Cosegmentation. , 2018, , .		3
84	Single Image Dehazing Via Artificial Multiple Shots And Multidimensional Context. , 2020, , .		3
85	Saliency detection from joint embedding of spatial and color cues. , 2012, , .		2
86	Complexity awareness based feature adaptive co-segmentation. , 2013, , .		2
87	Salient Object Detection and Segmentation via Ultra-Contrast. IEEE Access, 2018, 6, 14870-14883.	4.2	2
88	Multi-Scale Shape Adaptive Network for Raindrop Detection and Removal from a Single Image. Sensors, 2020, 20, 6733.	3.8	2
89	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
90	Parallel-Filtering Based Equalization of OFDM over Doubly Selective Channels. , 2010, , .		1

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91	PCA based unsupervised change detection for color satellite images under the quaternion model. , 2010, , .		1
92	Face Cartoon Synthesis Based on the Active Appearance Model. , 2012, , .		1
93	Segmenting specific object based on logo detection. , 2013, , .		1
94	Blind Image Sharpness Assessment And Enhancement via Deep Auxiliary Learning. , 2019, , .		1
95	A New Few-shot Segmentation Network Based on Class Representation. , 2019, , .		1
96	Mining Larger Class Activation Map with Common Attribute Labels. , 2020, , .		1
97	Haze-robust image understanding via context-aware deep feature refinement. , 2020, , .		1
98	Rate control by partial differential equation modeling. , 0, , .		0
99	Hybrid cascade of active/lazy boosting. , 2009, , .		0
100	Learn to segment attention object from low DoF image. , 2010, , .		0
101	Change detection in unregistered optical satellite images using combinatorial clustering method. , 2011, , .		0
102	A novel channel impulse response detection algorithm for OFDM receivers. , 2011, , .		0
103	Directional samples reordering for intra residual transform. , 2011, , .		0
104	Face hallucination method via eigenfaces estimation and Markov high-frequency compensation. , 2011, , .		0
105	Complex Coefficient Interpolation Based Channel Estimation for OFDM in Single-Frequency Networks. , 2012, , .		0
106	Mode dependent deblocking filter for video coding. , 2012, , .		0
107	Saliency detection using a central stimuli sensitivity based model. , 2013, , .		0
108	Part propagation for local part segmentation. , 2016, , .		0