

Lai-Man Po

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

2,505
citations

19
h-index

48
g-index

141
ext. papers

3,325
ext. citations

4.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
102	Pixel Voting Decoder: A novel decoder that regresses pixel relationships for segmentation. <i>Expert Systems With Applications</i> , 2022 , 193, 116438	7.8	
101	GAN-based Inter-Class Sample Generation for Contrastive Learning of Vein Image Representations. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2022 , 1-1	4.3	
100	Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning. <i>Sensors</i> , 2021 , 21,	3.8	5
99	FEANet: Foreground-edge-aware network with DenseASPOC for human parsing. <i>Image and Vision Computing</i> , 2021 , 109, 104145	3.7	1
98	Fusion loss and inter-class data augmentation for deep finger vein feature learning. <i>Expert Systems With Applications</i> , 2021 , 171, 114584	7.8	6
97	SCGAN: Saliency Map-Guided Colorization With Generative Adversarial Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3062-3077	6.4	7
96	Deep triplet residual quantization. <i>Expert Systems With Applications</i> , 2021 , 184, 115467	7.8	1
95	LinCos-Softmax: Learning Angle-Discriminative Face Representations With Linearity-Enhanced Cosine Logits. <i>IEEE Access</i> , 2020 , 8, 109758-109769	3.5	1
94	Long-Range Dependencies and High-Order Spatial Pooling for Deep Model-Based Full-Reference Image Quality Assessment. <i>IEEE Access</i> , 2020 , 8, 72007-72020	3.5	0
93	Data-level information enhancement: Motion-patch-based Siamese Convolutional Neural Networks for human activity recognition in videos. <i>Expert Systems With Applications</i> , 2020 , 147, 113203	7.8	6
92	Enhancing deep discriminative feature maps via perturbation for face presentation attack detection. <i>Image and Vision Computing</i> , 2020 , 94, 103858	3.7	5
91	SLNet: Stereo face liveness detection via dynamic disparity-maps and convolutional neural network. <i>Expert Systems With Applications</i> , 2020 , 142, 113002	7.8	11
90	Angular Deep Supervised Hashing for Image Retrieval. <i>IEEE Access</i> , 2019 , 7, 127521-127532	3.5	7
89	Face liveness detection using convolutional-features fusion of real and deep network generated face images. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 59, 574-582	2.7	10
88	Light field-based face liveness detection with convolutional neural networks. <i>Journal of Electronic Imaging</i> , 2019 , 28, 1	0.7	6
87	Video copy detection by conducting fast searching of inverted files. <i>Multimedia Tools and Applications</i> , 2019 , 78, 10601-10624	2.5	1
86	A Novel Patch Variance Biased Convolutional Neural Network for No-Reference Image Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1223-1229	6.4	18

85	Block-based adaptive ROI for remote photoplethysmography. <i>Multimedia Tools and Applications</i> , 2018 , 77, 6503-6529	2.5	12
84	LiveNet: Improving features generalization for face liveness detection using convolution neural networks. <i>Expert Systems With Applications</i> , 2018 , 108, 159-169	7.8	48
83	Deep learning for face anti-spoofing: An end-to-end approach 2017 ,		7
82	Cuffless Blood Pressure Estimation Based on Photoplethysmography Signal and Its Second Derivative. <i>International Journal of Computer Theory and Engineering</i> , 2017 , 9, 202-206	0.1	54
81	No-Reference Video Quality Assessment With 3D Shearlet Transform and Convolutional Neural Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 1044-1057	6.4	75
80	An adaptive motion compensation method using superimposed inter-frame signals. <i>Journal of Real-Time Image Processing</i> , 2016 , 11, 487-506	1.9	
79	Face liveness detection and recognition using shearlet based feature descriptors 2016 ,		8
78	No-reference image quality assessment with deep convolutional neural networks 2016 ,		32
77	Integration of image quality and motion cues for face anti-spoofing: A neural network approach. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 451-460	2.7	133
76	Motion-Resistant Remote Imaging Photoplethysmography Based on the Optical Properties of Skin. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 879-891	6.4	92
75	Dynamic ROI based on K-means for remote photoplethysmography 2015 ,		5
74	Frame adaptive ROI for photoplethysmography signal extraction from fingertip video captured by smartphone 2015 ,		4
73	No-reference image quality assessment with shearlet transform and deep neural networks. <i>Neurocomputing</i> , 2015 , 154, 94-109	5.4	66
72	Adaptive block truncation filter for MVC depth image enhancement 2014 ,		4
71	No-reference image quality assessment using statistical characterization in the shearlet domain. <i>Signal Processing: Image Communication</i> , 2014 , 29, 748-759	2.8	19
70	Motion artifacts suppression for remote imaging photoplethysmography 2014 ,		14
69	Adaptive depth truncation filter for MVC based compressed depth image. <i>Signal Processing: Image Communication</i> , 2014 , 29, 316-331	2.8	9
68	An improved hybrid fast mode decision method for H.264/AVC intra coding with local information. <i>Multimedia Tools and Applications</i> , 2014 , 72, 687-704	2.5	7

67	Depth map misalignment correction and dilation for DIBR view synthesis. <i>Signal Processing: Image Communication</i> , 2013 , 28, 1023-1045	2.8	15
66	Watershed based depth map misalignment correction and foreground biased dilation for DIBR view synthesis 2013 ,		2
65	An adaptive background biased depth map hole-filling method for Kinect 2013 ,		2
64	Depth-aided exemplar-based hole filling for DIBR view synthesis 2013 ,		1
63	Radical-stroke-based Chinese input method using dynamic radical keypad on touchscreen smartphones. <i>HKIE Transactions</i> , 2013 , 20, 188-193	2.9	
62	A foreground biased depth map refinement method for DIBR view synthesis 2012 ,		13
61	Watershed and Random Walks based depth estimation for semi-automatic 2D to 3D image conversion 2012 ,		4
60	Horizontal Scaling and Shearing-Based Disparity-Compensated Prediction for Stereo Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1457-1470	6.4	1
59	Stretching, compression and shearing disparity compensated prediction techniques for stereo and multiview video coding 2011 ,		1
58	A new multidirectional extrapolation hole-filling method for Depth-Image-Based Rendering 2011 ,		18
57	Automatic 2D-to-3D video conversion technique based on depth-from-motion and color segmentation 2010 ,		2
56	Distance-based weighted prediction for Adaptive Intra Mode Bit Skip in H.264/AVC 2010 ,		2
55	A novel watermarking scheme with compensation in bit-stream domain for H.264/AVC 2010 ,		9
54	Subsampled Block-Matching for Zoom Motion Compensated Prediction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 1625-1637	6.4	17
53	Block-Matching Translational and Rotational Motion Compensated Prediction Using Interpolated Reference Frame. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	3
52	Multiple block-size search algorithm for fast block motion estimation 2009 ,		2
51	The training of Karhunen-Loève transform matrix and its application for H.264 intra coding. <i>Multimedia Tools and Applications</i> , 2009 , 41, 111-123	2.5	1
50	An SSIM-optimal H.264/AVC inter frame encoder 2009 ,		10

49	A Search Patterns Switching Algorithm for Block Motion Estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 753-759	6.4	17
48	Novel Directional Gradient Descent Searches for Fast Block Motion Estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 1189-1195	6.4	43
47	A novel weighted cross prediction for H.264 intra coding 2009 ,		7
46	Six-digit stroke-based Chinese input method 2009 ,		2
45	Discrete wavelet transform-based structural similarity for image quality assessment 2008 ,		1
44	Complexity reduced mode selection of H.264/AVC intra coding 2008 ,		1
43	Fast sum of absolute transformed difference based 4B intra-mode decision of H.264/AVC video coding standard. <i>Signal Processing: Image Communication</i> , 2008 , 23, 571-580	2.8	15
42	Improved Inter Prediction based on Structural Similarity in H.264 2007 ,		19
41	Search Patterns Switching for Motion Estimation using Rate of Error Descent 2007 ,		3
40	Bit Rate Estimation for Cost Function of 4B Intra Mode Decision of H.264/AVC 2007 ,		5
39	A New Partial Codeword Updating Scheme Based on Rate-Distortion Optimization for Adaptive Vector Quantization 2007 ,		1
38	Dominant Color Structure Descriptor for Image Retrieval 2007 ,		12
37	A Compact and Efficient Color Descriptor for Image Retrieval 2007 ,		11
36	Transform-Domain Fast Sum of the Squared Difference Computation for H.264/AVC Rate-Distortion Optimization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 765-773	6.4	22
35	Fast Bit Rate Estimation for Mode Decision of H.264/AVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 1402-1407	6.4	38
34	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 9-15	6.6	23
33	Point Oriented Hexagonal Inner Search For Fast Block Motion Estimation 2006 ,		1
32	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 16-22	6.6	93

31	A New Rate-Distortion Optimization Using Structural Information in H.264 I-Frame Encoder. <i>Lecture Notes in Computer Science</i> , 2005 , 435-441	0.9	15
30	Enhanced hexagonal search for fast block motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004 , 14, 1210-1214	6.4	93
29	Adjustable partial distortion search algorithm for fast block motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2003 , 13, 100-110	6.4	47
28	Center-biased frame selection algorithms for fast multi-frame motion estimation in H.264 2003 ,		7
27	A novel ordered-SPIHT for embedded color image coding 2003 ,		3
26	A new cross-diamond search algorithm for fast block matching motion estimation 2003 ,		4
25	A novel rood-diamond search algorithm for fast block motion estimation 2002 ,		3
24	A novel cross-diamond search algorithm for fast block motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2002 , 12, 1168-1177	6.4	198
23	Normalized partial distortion search algorithm for block motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2000 , 10, 417-422	6.4	99
22	Variable tree size fractal compression for wavelet pyramid image coding. <i>Signal Processing: Image Communication</i> , 1999 , 14, 195-208	2.8	5
21	Adaptive motion tracking block matching algorithms for video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1999 , 9, 1025-1029	6.4	41
20	Minimax partial distortion competitive learning for optimal codebook design. <i>IEEE Transactions on Image Processing</i> , 1998 , 7, 1400-9	8.7	19
19	Low complexity 2D preprocessing for discrete multiwavelet transform of image signals. <i>Electronics Letters</i> , 1997 , 33, 1037	1.1	1
18	A novel four-step search algorithm for fast block motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1996 , 6, 313-317	6.4	776
17	Block address predictive colour quantisation image compression. <i>Electronics Letters</i> , 1994 , 30, 120-121	1.1	7
16	Adaptive dimensionality reduction techniques for tree-structured vector quantization. <i>IEEE Transactions on Communications</i> , 1994 , 42, 2246-2257	6.9	7
15	A complexity reduction technique for image vector quantization. <i>IEEE Transactions on Image Processing</i> , 1992 , 1, 312-21	8.7	13
14	Preprocessing for discrete multiwavelet transform of two-dimensional signals		1

13	A hierarchical block motion estimation algorithm using partial distortion measure	8
12	Dominant color image retrieval using merged histogram	3
11	A fast H.264 intra prediction algorithm using macroblock properties	16
10	A new palette histogram similarity measure for MPEG-7 dominant color descriptor	3
9	Fast block-matching motion estimation by recent-biased search for multiple reference frames	1
8	MIRROR: an interactive content based image retrieval system	16
7	Fast block motion estimation with early acceptance technique in H.264/JVT	1
6	Integer multiwavelet transform for lossless image coding	2
5	A fast block motion estimation using progressive partial distortion search	3
4	A novel small-cross-diamond search algorithm for fast video coding and videoconferencing applications	7
3	Merged-color histogram for color image retrieval	4
2	A new center-biased search algorithm for block motion estimation	3
1	A novel histogram-biasing factor for fast sorted histogram-based measurement in large image database retrieval system	1