

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4877932/lai-man-po-publications-by-citations.pdf>
Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	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
101	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
100	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
99	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
98	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 16-22	6.6	93
97	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
96	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
95	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
94	No-reference image quality assessment with shearlet transform and deep neural networks. <i>Neurocomputing</i> , 2015 , 154, 94-109	5.4	66
93	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
92	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
91	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
90	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
89	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
88	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
87	No-reference image quality assessment with deep convolutional neural networks 2016 ,		32
86	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 9-15	6.6	23

85	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
84	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
83	Minimax partial distortion competitive learning for optimal codebook design. <i>IEEE Transactions on Image Processing</i> , 1998 , 7, 1400-9	8.7	19
82	Improved Inter Prediction based on Structural Similarity in H.264 2007 ,		19
81	A new multidirectional extrapolation hole-filling method for Depth-Image-Based Rendering 2011 ,		18
80	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
79	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
78	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
77	A fast H.264 intra prediction algorithm using macroblock properties		16
76	MIRROR: an interactive content based image retrieval system		16
75	Depth map misalignment correction and dilation for DIBR view synthesis. <i>Signal Processing: Image Communication</i> , 2013 , 28, 1023-1045	2.8	15
74	Fast sum of absolute transformed difference based 44 intra-mode decision of H.264/AVC video coding standard. <i>Signal Processing: Image Communication</i> , 2008 , 23, 571-580	2.8	15
73	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
72	Motion artifacts suppression for remote imaging photoplethysmography 2014 ,		14
71	A foreground biased depth map refinement method for DIBR view synthesis 2012 ,		13
70	A complexity reduction technique for image vector quantization. <i>IEEE Transactions on Image Processing</i> , 1992 , 1, 312-21	8.7	13
69	Block-based adaptive ROI for remote photoplethysmography. <i>Multimedia Tools and Applications</i> , 2018 , 77, 6503-6529	2.5	12
68	Dominant Color Structure Descriptor for Image Retrieval 2007 ,		12

67	A Compact and Efficient Color Descriptor for Image Retrieval 2007 ,		11
66	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
65	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
64	An SSIM-optimal H.264/AVC inter frame encoder 2009 ,		10
63	Adaptive depth truncation filter for MVC based compressed depth image. <i>Signal Processing: Image Communication</i> , 2014 , 29, 316-331	2.8	9
62	A novel watermarking scheme with compensation in bit-stream domain for H.264/AVC 2010 ,		9
61	Face liveness detection and recognition using shearlet based feature descriptors 2016 ,		8
60	A hierarchical block motion estimation algorithm using partial distortion measure		8
59	Angular Deep Supervised Hashing for Image Retrieval. <i>IEEE Access</i> , 2019 , 7, 127521-127532	3.5	7
58	Deep learning for face anti-spoofing: An end-to-end approach 2017 ,		7
57	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
56	A novel weighted cross prediction for H.264 intra coding 2009 ,		7
55	Center-biased frame selection algorithms for fast multi-frame motion estimation in H.264 2003 ,		7
54	A novel small-cross-diamond search algorithm for fast video coding and videoconferencing applications		7
53	Block address predictive colour quantisation image compression. <i>Electronics Letters</i> , 1994 , 30, 120-121	1.1	7
52	Adaptive dimensionality reduction techniques for tree-structured vector quantization. <i>IEEE Transactions on Communications</i> , 1994 , 42, 2246-2257	6.9	7
51	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
50	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

49	Light field-based face liveness detection with convolutional neural networks. <i>Journal of Electronic Imaging</i> , 2019 , 28, 1	0.7	6
48	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
47	Dynamic ROI based on K-means for remote photoplethysmography 2015 ,		5
46	Bit Rate Estimation for Cost Function of 4K Intra Mode Decision of H.264/AVC 2007 ,		5
45	Variable tree size fractal compression for wavelet pyramid image coding. <i>Signal Processing: Image Communication</i> , 1999 , 14, 195-208	2.8	5
44	Enhancing deep discriminative feature maps via perturbation for face presentation attack detection. <i>Image and Vision Computing</i> , 2020 , 94, 103858	3.7	5
43	Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning. <i>Sensors</i> , 2021 , 21,	3.8	5
42	Frame adaptive ROI for photoplethysmography signal extraction from fingertip video captured by smartphone 2015 ,		4
41	Adaptive block truncation filter for MVC depth image enhancement 2014 ,		4
40	Watershed and Random Walks based depth estimation for semi-automatic 2D to 3D image conversion 2012 ,		4
39	A new cross-diamond search algorithm for fast block matching motion estimation 2003 ,		4
38	Merged-color histogram for color image retrieval		4
37	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
36	Search Patterns Switching for Motion Estimation using Rate of Error Descent 2007 ,		3
35	Dominant color image retrieval using merged histogram		3
34	A new palette histogram similarity measure for MPEG-7 dominant color descriptor		3
33	A novel ordered-SPIHT for embedded color image coding 2003 ,		3
32	A fast block motion estimation using progressive partial distortion search		3

31	A novel rood-diamond search algorithm for fast block motion estimation 2002 ,		3
30	A new center-biased search algorithm for block motion estimation		3
29	Watershed based depth map misalignment correction and foreground biased dilation for DIBR view synthesis 2013 ,		2
28	An adaptive background biased depth map hole-filling method for Kinect 2013 ,		2
27	Automatic 2D-to-3D video conversion technique based on depth-from-motion and color segmentation 2010 ,		2
26	Distance-based weighted prediction for Adaptive Intra Mode Bit Skip in H.264/AVC 2010 ,		2
25	Multiple block-size search algorithm for fast block motion estimation 2009 ,		2
24	Six-digit stroke-based Chinese input method 2009 ,		2
23	Integer multiwavelet transform for lossless image coding		2
22	LinCos-Softmax: Learning Angle-Discriminative Face Representations With Linearity-Enhanced Cosine Logits. <i>IEEE Access</i> , 2020 , 8, 109758-109769	3.5	1
21	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
20	Depth-aided exemplar-based hole filling for DIBR view synthesis 2013 ,		1
19	Stretching, compression and shearing disparity compensated prediction techniques for stereo and multiview video coding 2011 ,		1
18	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
17	Preprocessing for discrete multiwavelet transform of two-dimensional signals		1
16	Discrete wavelet transform-based structural similarity for image quality assessment 2008 ,		1
15	Complexity reduced mode selection of H.264/AVC intra coding 2008 ,		1
14	Point Oriented Hexagonal Inner Search For Fast Block Motion Estimation 2006 ,		1

13	A New Partial Codeword Updating Scheme Based on Rate-Distortion Optimization for Adaptive Vector Quantization 2007 ,		1
12	Fast block-matching motion estimation by recent-biased search for multiple reference frames		1
11	Fast block motion estimation with early acceptance technique in H.264/JVT		1
10	Low complexity 2D preprocessing for discrete multiwavelet transform of image signals. <i>Electronics Letters</i> , 1997 , 33, 1037	1.1	1
9	A novel histogram-biasing factor for fast sorted histogram-based measurement in large image database retrieval system		1
8	FEANet: Foreground-edge-aware network with DenseASPOC for human parsing. <i>Image and Vision Computing</i> , 2021 , 109, 104145	3.7	1
7	Video copy detection by conducting fast searching of inverted files. <i>Multimedia Tools and Applications</i> , 2019 , 78, 10601-10624	2.5	1
6	Deep triplet residual quantization. <i>Expert Systems With Applications</i> , 2021 , 184, 115467	7.8	1
5	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
4	An adaptive motion compensation method using superimposed inter-frame signals. <i>Journal of Real-Time Image Processing</i> , 2016 , 11, 487-506	1.9	
3	Radical-stroke-based Chinese input method using dynamic radical keypad on touchscreen smartphones. <i>HKIE Transactions</i> , 2013 , 20, 188-193	2.9	
2	Pixel Voting Decoder: A novel decoder that regresses pixel relationships for segmentation. <i>Expert Systems With Applications</i> , 2022 , 193, 116438	7.8	
1	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	