Yee-Hong Yang

List of Publications by Year
in descending order

72 papers	2,535 citations	230014 27 h-index	263392 45 g-index
72 all docs	72 docs citations	72 times ranked	1942 citing authors

#	Article	IF	Citations
1	Online learnable keyframe extraction in videos and its application with semantic word vector in action recognition. Pattern Recognition, 2022, 122, 108273.	5.1	15
2	Learning Super-Resolution of Environment Matting of Transparent Objects From a Single Image. IEEE Access, 2022, 10, 3548-3558.	2.6	3
3	All-in-focus synthetic aperture imaging using generative adversarial network-based semantic inpainting. Pattern Recognition, 2021, 111, 107669.	5.1	12
4	MRI Texture Analysis Reveals Brain Abnormalities in Medically Refractory Trigeminal Neuralgia. Frontiers in Neurology, 2021, 12, 626504.	1.1	4
5	Attentive U-recurrent encoder-decoder network for image dehazing. Neurocomputing, 2021, 437, 143-156.	3.5	10
6	Visual Attention Dehazing Network with Multi-level Features Refinement and Fusion. Pattern Recognition, 2021, 118, 108021.	5.1	20
7	Reliability of 3D texture analysis: A multicenter MRI study of the brain. Journal of Magnetic Resonance Imaging, 2020, 51, 1200-1209.	1.9	17
8	Texture classification of MR images of the brain in ALS using M-CoHOG: A multi-center study. Computerized Medical Imaging and Graphics, 2020, 79, 101659.	3.5	12
9	A novel image-dehazing network with a parallel attention block. Pattern Recognition, 2020, 102, 107255.	5.1	46
10	Automated Colorization of a Grayscale Image With Seed Points Propagation. IEEE Transactions on Multimedia, 2020, 22, 1756-1768.	5.2	118
11	MDEAN: Multi-View Disparity Estimation with an Asymmetric Network. Electronics (Switzerland), 2020, 9, 924.	1.8	3
12	Face Recognition via Deep Learning Using Data Augmentation Based on Orthogonal Experiments. Electronics (Switzerland), 2019, 8, 1088.	1.8	24
13	Saliency-guided level set model for automatic object segmentation. Pattern Recognition, 2019, 93, 147-163.	5.1	33
14	Human trajectory prediction in crowded scene using social-affinity Long Short-Term Memory. Pattern Recognition, 2019, 93, 273-282.	5.1	46
15	Quantifying changes on susceptibility weighted images in amyotrophic lateral sclerosis using MRI texture analysis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2019, 20, 396-403.	1.1	10
16	Focus Measure for Synthetic Aperture Imaging Using a Deep Convolutional Network. IEEE Access, 2019, 7, 19762-19774.	2.6	6
17	A Novel Residual Dense Pyramid Network for Image Dehazing. Entropy, 2019, 21, 1123.	1.1	8
18	Corticospinal tract degeneration in ALS unmasked in T1â€weighted images using texture analysis. Human Brain Mapping, 2019, 40, 1174-1183.	1.9	22

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19	Evaluating the cerebral correlates of survival in amyotrophic lateral sclerosis. Annals of Clinical and Translational Neurology, 2018, 5, 1350-1361.	1.7	19
20	Texture Analysis to Detect Cerebral Degeneration in Amyotrophic Lateral Sclerosis. Canadian Journal of Neurological Sciences, 2018, 45, 533-539.	0.3	7
21	Local and Global Active Contour Model for Image Segmentation With Intensity Inhomogeneity. IEEE Access, 2018, 6, 54224-54240.	2.6	12
22	Simultaneous 3D Reconstruction for Water Surface and Underwater Scene. Lecture Notes in Computer Science, 2018, , 776-792.	1.0	17
23	Two-view underwater 3D reconstruction for cameras with unknown poses under flat refractive interfaces. Pattern Recognition, 2017, 69, 251-269.	5.1	29
24	A Closed-Form Solution to Single Underwater Camera Calibration Using Triple Wavelength Dispersion and Its Application to Single Camera 3D Reconstruction. IEEE Transactions on Image Processing, 2017, 26, 4553-4561.	6.0	13
25	Synthetic aperture photography using a moving camera-IMU system. Pattern Recognition, 2017, 62, 175-188.	5.1	12
26	Stereo-Based 3D Reconstruction of Dynamic Fluid Surfaces by Global Optimization. , 2017, , .		25
27	3D Reconstruction of Transparent Objects with Position-Normal Consistency. , 2016, , .		31
28	Voxel-Based Texture Analysis of the Brain. PLoS ONE, 2015, 10, e0117759.	1.1	45
29	Frequency-Based Environment Matting by Compressive Sensing. , 2015, , .		11
30	Scene adaptive structured light using error detection and correction. Pattern Recognition, 2015, 48, 220-230.	5.1	17
31	Robust Volumetric Texture Classification of Magnetic Resonance Images of the Brain Using Local Frequency Descriptor. IEEE Transactions on Image Processing, 2014, 23, 4625-4636.	6.0	18
32	Robust multi-view L2 triangulation via optimal inlier selection and 3D structure refinement. Pattern Recognition, 2014, 47, 2974-2992.	5.1	19
33	Practical structure and motion recovery from two uncalibrated images using Constrained Adaptive Differential Evolution. Pattern Recognition, 2013, 46, 1466-1484.	5.1	4
34	Rotation Invariant Local Frequency Descriptors for Texture Classification. IEEE Transactions on Image Processing, 2013, 22, 2409-2419.	6.0	37
35	Noise robust rotation invariant features for texture classification. Pattern Recognition, 2013, 46, 2103-2116.	5.1	51
36	Synthetic aperture imaging using pixel labeling via energy minimization. Pattern Recognition, 2013, 46, 174-187.	5.1	36

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37	Underwater Camera Calibration Using Wavelength Triangulation. , 2013, , .		25
38	A novel multi-object detection method in complex scene using synthetic aperture imaging. Pattern Recognition, 2012, 45, 1637-1658.	5.1	38
39	Automatic Real-Time Video Matting Using Time-of-Flight Camera and Multichannel Poisson Equations. International Journal of Computer Vision, 2012, 97, 104-121.	10.9	30
40	Near-real-time stereo matching with slanted surface modeling and sub-pixel accuracy. Pattern Recognition, 2011, 44, 2701-2710.	5.1	8
41	Optical flow estimation on coarse-to-fine region-trees using discrete optimization. , 2009, , .		13
42	Aura 3D Textures. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 379-389.	2.9	45
43	Real-Time Stereo Matching Using Orthogonal Reliability-Based Dynamic Programming. IEEE Transactions on Image Processing, 2007, 16, 879-884.	6.0	42
44	Tri-focal tensor-based multiple video synchronization with subframe optimization. IEEE Transactions on Image Processing, 2006, 15, 2473-2480.	6.0	44
45	Estimate Large Motions Using the Reliability-Based Motion Estimation Algorithm. International Journal of Computer Vision, 2006, 68, 319-330.	10.9	4
46	Camera field rendering for static and dynamic scenes. Graphical Models, 2005, 67, 73-99.	1.1	5
47	Fast unambiguous stereo matching using reliability-based dynamic programming. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 998-1003.	9.7	66
48	Quadtree-based genetic algorithm and its applications to computer vision. Pattern Recognition, 2004, 37, 1723-1733.	5.1	36
49	Fast stereo matching using reliability-based dynamic programming and consistency constraints. , 2003, , .		58
50	Face recognition approach based on rank correlation of Gabor-filtered images. Pattern Recognition, 2002, 35, 1275-1289.	5.1	96
51	Region-based face detection. Pattern Recognition, 2002, 35, 2095-2107.	5.1	15
52	Genetic-Based Stereo Algorithm and Disparity Map Evaluation. International Journal of Computer Vision, 2002, 47, 63-77.	10.9	31
53	Theoretical analysis of illumination in PCA-based vision systems. Pattern Recognition, 1999, 32, 547-564.	5.1	88
54	Mosaic image method: a local and global method. Pattern Recognition, 1999, 32, 1421-1433.	5.1	10

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55	An efficient algorithm to compute eigenimages in PCA-based vision systems. Pattern Recognition, 1999, 32, 851-864.	5.1	4
56	Deformable Object Modeling Using the Time-Dependent Finite Element Method. Graphical Models, 1998, 60, 461-487.	1.4	9
57	Classifier design with incomplete knowledge. Pattern Recognition, 1998, 31, 345-369.	5.1	32
58	Modeling water for computer graphics. Computers and Graphics, 1997, 21, 801-814.	1.4	23
59	Roof edge detection using regularized cubic b-spline fitting. Pattern Recognition, 1997, 30, 719-728.	5.1	10
60	First Sight: A human body outline labeling system. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1995, 17, 359-377.	9.7	142
61	Texture characterization using robust statistics. Pattern Recognition, 1994, 27, 119-134.	5.1	38
62	Multiresolution color image segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1994, 16, 689-700.	9.7	388
63	The background primal sketch: An approach for tracking moving objects. Machine Vision and Applications, 1992, 5, 17-34.	1.7	112
64	Experimental evaluation of motion constraint equations. CVGIP Image Understanding, 1991, 54, 206-214.	1.3	12
65	Comparison of two shape-from-shading algorithms. Pattern Recognition Letters, 1990, 11, 637-642.	2.6	2
66	Dynamic strip algorithm in curve fitting. Computer Vision, Graphics, and Image Processing, 1990, 51, 146-165.	1.1	14
67	Dynamic two-strip algorithm in curve fitting. Pattern Recognition, 1990, 23, 69-79.	5.1	68
68	Stationary background generation: An alternative to the difference of two images. Pattern Recognition, 1990, 23, 1351-1359.	5.1	85
69	A new technique for shape analysis using orthogonal polynomials. Pattern Recognition Letters, 1988, 7, 191-197.	2.6	2
70	A fast two-dimensional line clipping algorithm via line encoding. Computers and Graphics, 1987, 11, 459-467.	1.4	23
71	A region based approach for human body motion analysis. Pattern Recognition, 1987, 20, 321-339.	5.1	51
72	Human body motion segmentation in a complex scene. Pattern Recognition, 1987, 20, 55-64.	5.1	54