Jingwen Zhao

List of Publications by Year
in descending order

39 papers	**578** citations	840776 **11** h-index	752698 **20** g-index
39 all docs	**39** docs citations	**39** times ranked	**555** citing authors

#	ARTICLE	IF	CITATIONS
1	Learning to Diagnose Cirrhosis with Liver Capsule Guided Ultrasound Image Classification. Sensors, 2017, 17, 149.	3.8	84
2	Automatically Detect and Track Multiple Fish Swimming in Shallow Water with Frequent Occlusion. PLoS ONE, 2014, 9, e106506.	2.5	59
3	Joint Human Detection and Head Pose Estimation via Multistream Networks for RGB-D Videos. IEEE Signal Processing Letters, 2017, 24, 1666-1670.	3.6	49
4	An effective and robust method for tracking multiple fish in video image based on fish head detection. BMC Bioinformatics, 2016, 17, 251.	2.6	48
5	Invariant Description and Retrieval of Planar Shapes Using Radon Composite Features. IEEE Transactions on Signal Processing, 2008, 56, 4762-4771.	5.3	46
6	Robust tracking of fish schools using CNN for head identification. Multimedia Tools and Applications, 2017, 76, 23679-23697.	3.9	40
7	Automated Planar Tracking the Waving Bodies of Multiple Zebrafish Swimming in Shallow Water. PLoS ONE, 2016, 11, e0154714.	2.5	25
8	Feature point based 3D tracking of multiple fish from multi-view images. PLoS ONE, 2017, 12, e0180254.	2.5	23
9	Reconstructing 3D motion trajectories of particle swarms by global correspondence selection. , 2009, , .		20
10	Real-time human detection and tracking in complex environments using single RGBD camera. , 2013, , .		19
11	3D tracking swimming fish school with learned kinematic model using LSTM network. , 2017, , .		16
12	A Novel Method for Tracking Individuals of Fruit Fly Swarms Flying in a Laboratory Flight Arena. PLoS ONE, 2015, 10, e0129657.	2.5	14
13	Tomography time-frequency transform. IEEE Transactions on Signal Processing, 2002, 50, 1289-1297.	5.3	12
14	Classifying image texture with statistical landscape features. Pattern Analysis and Applications, 2006, 8, 321-331.	4.6	12
15	Real-time human detection with depth camera via a physical radius-depth detector and a CNN descriptor. , 2017, , .		12
16	Computer auxiliary diagnosis technique of detecting cholangiocarcinoma based on medical imaging: A review. Computer Methods and Programs in Biomedicine, 2021, 208, 106265.	4.7	10
17	Reliably detecting humans with RGB-D camera with physical blob detector followed by learning-based filtering. , 2016, , .		9
18	Early diagnosis of cirrhosis via automatic location and geometric description of liver capsule. Visual Computer, 2018, 34, 1677-1689.	3.5	9

#	Article	IF	Citations
19	Physical blob detector and Multi-Channel Color Shape Descriptor for human detection. Journal of Visual Communication and Image Representation, 2018, 52, 13-23.	2.8	8
20	Tracking undulatory body motion of multiple fish based on midline dynamics modeling. , 2016, , .		7
21	A clinical decision support system for predicting cirrhosis stages via high frequency ultrasound images. Expert Systems With Applications, 2021, 175, 114680.	7.6	7
22	3D tracking swimming fish school using a master view tracking first strategy. , 2016, , .		6
23	Reliably detecting humans in crowded and dynamic environments using RGB-D camera. , 2016, , .		6
24	Robust human detection with super-pixel segmentation and random ferns classification using RGB-D camera. , 2017, , .		6
25	Extracting and describing liver capsule contour in high-frequency ultrasound image for early HBV cirrhosis diagnosis. , 2016, , .		5
26	Learning to diagnose cirrhosis via combined liver capsule and parenchyma ultrasound image features. , 2016, , .		4
27	3D tracking targets via kinematic model weighted particle filter. , 2016, , .		4
28	Computer-aided cirrhosis diagnosis via automatic liver capsule extraction and combined geometry-texture features. , 2017, , .		4
29	One Edge at a Time: A Novel Approach Towards Efficient Transitive Reduction Computation on DAGs. IEEE Access, 2020, 8, 38010-38022.	4.2	4
30	CONNECTED EQUI-LENGTH LINE SEGMENTS FOR CURVE AND STRUCTURE MATCHING. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 1019-1037.	1.2	3
31	ADAPTIVE IMAGE SEGMENTATION USING ARTIFICIAL CO-EVOLVING TRIBES. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 1171-1193.	1.2	2
32	Automatic 3D reconstruction of mitochondrion with local intensity distribution signature and shape feature. , 2013, , .		1
33	Estimating Orientation of Flying Fruit Flies. PLoS ONE, 2015, 10, e0132101.	2.5	1
34	Learning kinematic model of targets in videos from fixed cameras. , 2016, , .		1
35	Estimating orientation in tracking individuals of flying swarms. , 2016, , .		1
36	Rapid identification of neuronal structures in electronic microscope image using novel combined multi-scale image features. Neurocomputing, 2017, 230, 152-159.	5.9	1

#	Article	IF	Citations
37	Statistical landscape features for texture classification. , 2004, , .		0
38	Joint reconstruction of 3D shape and non-rigid motion in a region-growing framework. , 2011, , .		0
39	Tracking the 3D position and orientation of flying swarms with learned kinematic pattern using LSTM network. , 2017, , .		0