YingLi Tian

List of Publications by Year
in descending order

56	2,509	516710	642732
papers	citations	16	23
		h-index	g-index

57	57	57	2444
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Unambiguous Text Localization, Retrieval, and Recognition for Cluttered Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1638-1652.	13.9	7
2	A Heuristic Neural Network Structure Relying on Fuzzy Logic for Images Scoring. IEEE Transactions on Fuzzy Systems, 2021, 29, 34-45.	9.8	46
3	Self-Supervised Visual Feature Learning With Deep Neural Networks: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4037-4058.	13.9	828
4	Unambiguous Scene Text Segmentation With Referring Expression Comprehension. IEEE Transactions on Image Processing, 2020, 29, 591-601.	9.8	29
5	Coarse-to-Fine Semantic Segmentation From Image-Level Labels. IEEE Transactions on Image Processing, 2020, 29, 225-236.	9.8	78
6	Deep Active Learning for Effective Pulmonary Nodule Detection. Lecture Notes in Computer Science, 2020, , 609-618.	1.3	2
7	Vision-Based Mobile Indoor Assistive Navigation Aid for Blind People. IEEE Transactions on Mobile Computing, 2019, 18, 702-714.	5.8	127
8	Design and Control of a High-Torque and Highly Backdrivable Hybrid Soft Exoskeleton for Knee Injury Prevention During Squatting. IEEE Robotics and Automation Letters, 2019, 4, 4579-4586.	5.1	57
9	Self-Guiding Multimodal LSTMâ€"When We Do Not Have a Perfect Training Dataset for Image Captioning. IEEE Transactions on Image Processing, 2019, 28, 5241-5252.	9.8	15
10	Prediction of Sea Ice Motion With Convolutional Long Short-Term Memory Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6865-6876.	6.3	29
11	Towards Accurate Instance-Level Text Spotting with Guided Attention. , 2019, , .		2
12	Multimodal clothing recognition for semantic search in unconstrained surveillance imagery. Journal of Visual Communication and Image Representation, 2019, 58, 439-452.	2.8	4
13	Discovering spatio-temporal action tubes. Journal of Visual Communication and Image Representation, 2019, 58, 515-524.	2.8	13
14	Towards breaking the spatial resolution barriers: An optical flow and super-resolution approach for sea ice motion estimation. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 164-175.	11.1	15
15	Super Normal Vector for Human Activity Recognition with Depth Cameras. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1028-1039.	13.9	115
16	Super-Resolved Fine-Scale Sea Ice Motion Tracking. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5427-5439.	6.3	17
17	Evaluation of Low-Level Features for Real-World Surveillance Event Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 624-634.	8.3	31
18	High-Resolution Sea Ice Motion Estimation With Optical Flow Using Satellite Spectroradiometer Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1339-1350.	6.3	29

#	Article	IF	Citations
19	Increasing spatial resolution of sea ice motion estimation. , 2017, , .		0
20	Unambiguous Text Localization and Retrieval for Cluttered Scenes. , 2017, , .		19
21	An Assistive Indoor Navigation System for the Visually Impaired in Multi-Floor Environments. , 2017, , .		3
22	Prediction of sea ice motion with recurrent neural networks. , 2017, , .		5
23	Image-Based Barcode Detection and Recognition to Assist Visually Impaired Persons. , 2017, , .		7
24	Learning Alphabets and Numbers from Hand Motion Trajectories for Visually Impaired Children. , 2017, , .		1
25	Recognizing Elevator Buttons and Labels for Blind Navigation. , 2017, , .		6
26	Depth-aware indoor staircase detection and recognition for the visually impaired. , 2016, , .		31
27	Recognizing Text-Based Traffic Guide Panels with Cascaded Localization Network. Lecture Notes in Computer Science, 2016, , 109-121.	1.3	38
28	Adaptive shrinkage cascades for blind image deconvolution. , 2016, , .		2
29	Automatic video description generation via LSTM with joint two-stream encoding. , 2016, , .		11
30	Single image super-resolution via internal gradient similarity. Journal of Visual Communication and Image Representation, 2016, 35, 91-102.	2.8	7
31	Assisting blind people to avoid obstacles: An wearable obstacle stereo feedback system based on 3D detection. , 2015, , .		12
32	An effective view and time-invariant action recognition method based on depth videos. , 2015, , .		6
33	A SLAM Based Semantic Indoor Navigation System for Visually Impaired Users. , 2015, , .		21
34	Assistive Clothing Pattern Recognition for Visually Impaired People. IEEE Transactions on Human-Machine Systems, 2014, 44, 234-243.	3.5	49
35	Portable Camera-Based Assistive Text and Product Label Reading From Hand-Held Objects for Blind Persons. IEEE/ASME Transactions on Mechatronics, 2014, 19, 808-817.	5.8	67
36	Scene text recognition in multiple frames based on text tracking. , 2014, , .		17

#	Article	IF	Citations
37	Super Normal Vector for Activity Recognition Using Depth Sequences. , 2014, , .		260
38	Toward a computer vision-based wayfinding aid for blind persons to access unfamiliar indoor environments. Machine Vision and Applications, 2013, 24, 521-535.	2.7	78
39	Feature Representations for Scene Text Character Recognition: A Comparative Study. , 2013, , .		50
40	Edge Enhanced Depth Motion Map for Dynamic Hand Gesture Recognition. , 2013, , .		23
41	Histogram of 3D Facets: A characteristic descriptor for hand gesture recognition. , 2013, , .		63
42	Margin-constrained multiple kernel learning based multi-modal fusion for affect recognition. , 2013, , .		4
43	Visual semantic parameterization - To enhance blind user perception for indoor navigation. , 2013, , .		8
44	Detecting good quality frames in videos captured by a wearable camera for blind navigation. , 2013, , .		8
45	A primary travelling assistant system of bus detection and recognition for visually impaired people. , 2013, , .		6
46	Computer vision-based mathematics learning enhancement for children with visual impairments. , 2012, , .		1
47	Detecting stairs and pedestrian crosswalks for the blind by RGBD camera. , 2012, , .		43
48	Robust and efficient foreground analysis in complex surveillance videos. Machine Vision and Applications, 2012, 23, 967-983.	2.7	47
49	Recognizing expressions from face and body gesture by temporal normalized motion and appearance features. , 2011, , .		12
50	Indoor signage detection based on saliency map and bipartite graph matching. , 2011, , .		1
51	Identifying medicine bottles by incorporating RFID and video analysis. , 2011, , .		2
52	Text Detection in Natural Scene Images by Stroke Gabor Words. , 2011, 2011, 177-181.		38
53	Finding objects for blind people based on SURF features. , 2011, , .		33
54	Action detection using multiple spatial-temporal interest point features. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
55	Rotation and illumination invariant texture analysis: Matching clothes with complex patterns for blind people. , 2010, , .		5
56	Robust door detection in unfamiliar environments by combining edge and corner features. , 2010, , .		39