

# Hongkai Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

645  
citations

933447

10  
h-index

677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusion of 3D LIDAR and Camera Data for Object Detection in Autonomous Vehicle Applications. IEEE Sensors Journal, 2020, 20, 4901-4913.	4.7	164
2	Domain Adaptation for Convolutional Neural Networks-Based Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1324-1328.	3.1	83
3	DADA: Driver Attention Prediction in Driving Accident Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4959-4971.	8.0	46
4	Video-based traffic data collection system for multiple vehicle types. IET Intelligent Transport Systems, 2014, 8, 164-174.	3.0	45
5	Domain adaptation from daytime to nighttime: A situation-sensitive vehicle detection and traffic flow parameter estimation framework. Transportation Research Part C: Emerging Technologies, 2021, 124, 102946.	7.6	41
6	Automated lesion detection on MRI scans using combined unsupervised and supervised methods. BMC Medical Imaging, 2015, 15, 50.	2.7	35
7	Small Object Sensitive Segmentation of Urban Street Scene With Spatial Adjacency Between Object Classes. IEEE Transactions on Image Processing, 2019, 28, 2643-2653.	9.8	34
8	Degraded Image Semantic Segmentation With Dense-Gram Networks. IEEE Transactions on Image Processing, 2020, 29, 782-795.	9.8	33
9	Loosecut: Interactive image segmentation with loosely bounded boxes. , 2017, , .		19
10	Traffic Accident Detection via Self-Supervised Consistency Learning in Driving Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9601-9614.	8.0	17
11	Unsupervised co-segmentation based on a new global GMM constraint in MRF. , 2014, , .		15
12	RNN-based default logic for route planning in urban environments. Neurocomputing, 2019, 338, 307-320.	5.9	14
13	An easy-to-hard learning strategy for within-image co-saliency detection. Neurocomputing, 2019, 358, 166-176.	5.9	13
14	Identifying designs from incomplete, fragmented cultural heritage objects by curve-pattern matching. Journal of Electronic Imaging, 2017, 26, 011022.	0.9	10
15	Weakly supervised easy-to-hard learning for object detection in image sequences. Neurocomputing, 2020, 398, 71-82.	5.9	9
16	Let There Be Light: Improved Traffic Surveillance via Detail Preserving Night-to-Day Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8217-8226.	8.3	9
17	Deep Domain Adaptation Based Multi-Spectral Salient Object Detection. IEEE Transactions on Multimedia, 2022, 24, 128-140.	7.2	9
18	Large-Scale Fiber Tracking Through Sparsely Sampled Image Sequences of Composite Materials. IEEE Transactions on Image Processing, 2016, 25, 4931-4942.	9.8	8

#	ARTICLE	IF	CITATIONS
19	Vehicle re-identification in tunnel scenes via synergistically cascade forests. <i>Neurocomputing</i> , 2020, 381, 227-239.	5.9	8
20	Detecting phone-related pedestrian distracted behaviours via a two-branch convolutional neural network. <i>IET Intelligent Transport Systems</i> , 2021, 15, 147-158.	3.0	8
21	A New Method and Benchmark for Detecting Co-Saliency Within a Single Image. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 3051-3063.	7.2	7
22	Multiple human tracking in wearable camera videos with informationless intervals. <i>Pattern Recognition Letters</i> , 2018, 112, 104-110.	4.2	5
23	Unsupervised cosegmentation based on superpixel matching and Fastgrabcut. , 2014, , .		4
24	Learning to Detect Phone-related Pedestrian Distracted Behaviors with Synthetic Data. , 2021, , .		4
25	Deep Learning for Object Detection in Materials-Science Images: A tutorial. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 78-88.	5.6	4
26	Simultaneous Tracking and Registration in SiC/SiC Serial Section Images. <i>Microscopy and Microanalysis</i> , 2018, 24, 570-571.	0.4	1
27	Feature sampling strategies for action recognition. , 2017, , .		0
28	On-the-Fly Performance Evaluation of Large-Scale Fiber Tracking. <i>IS&amp;T International Symposium on Electronic Imaging</i> , 2017, 2017, 142-147.	0.4	0