Brendan Tran Morris

List of Publications by Year in Descending Order

57 papers	1,636 citations	19 h-index	40 g-index
66 ext. papers	1,947 ext. citations	2.4 avg, IF	5.36 L-index

#	Paper	IF	Citations
57	MissFormer: (In-)Attention-Based Handling of Missing Observations for Trajectory Filtering and Prediction. *Lecture Notes in Computer Science*, **2021**, 521-533	0.9	2
56	Handling Missing Observations with an RNN-based Prediction-Update Cycle. *Lecture Notes in Computer Science*, **2021**, 311-321	0.9	1
55	ITS Society Conferences [Conference Reports]. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 283-284	2.6	
54	The 23rd IEEE International Conference on Intelligent Transportation Systems (Virtual) [Conference Reports]. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 250-255	2.6	
53	HalluciNet-ing Spatiotemporal Representations Using a 2D-CNN. *Signals*, **2021**, 2, 604-618	1.2	2
52	MySnapFoodLog: Culturally Sensitive Food Photo-Logging App for Dietary Biculturalism Studies. *Lecture Notes in Computer Science*, **2020**, 470-482	0.9	
51	TAGCN: Topology-Aware Graph Convolutional Network for Trajectory Prediction. *Lecture Notes in Computer Science*, **2020**, 542-553	0.9	2
50	CNN, Segmentation or Semantic Embeddings: Evaluating Scene Context for Trajectory Prediction. *Lecture Notes in Computer Science*, **2020**, 706-717	0.9	1
49	SSeg-LSTM: Semantic Scene Segmentation for Trajectory Prediction **2019**,		13
48	Convolutional Neural Network for Trajectory Prediction. *Lecture Notes in Computer Science*, **2019**, 186-196	0.9	22
47	Trajectory prediction of vehicles turning at intersections using deep neural networks. *Machine Vision and Applications*, **2019**, 30, 1097-1109	2.8	22
46	. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 3765-3770	6.1	2
45	OFDM Performance Assessment for Traffic Surveillance in Drone Small Cells. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 2869-2878	6.1	11
44	Concept analysis of dietary biculturalism in Filipino immigrants within the context of cardiovascular risk. *Nursing Forum*, **2018**, 53, 241-247	2.2	2
43	The Use of Social Media and mEMA Technology in Comparing Compliance Rate Among Users. *Asian Pacific Island Nursing Journal*, **2018**, 3, 168-176	0.6	1
42	Traffic Flow Classification Using Traffic Cameras. *Lecture Notes in Computer Science*, **2018**, 758-767	0.9	0
41	Hierarchical and Networked Vehicle Surveillance in ITS: A Survey. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 25-48	6.1	51

40	Use of active video gaming in children with neuromotor dysfunction: a systematic review. *Developmental Medicine and Child Neurology*, **2017**, 59, 903-911	3.3	24
39	Investigation of safety analysis methods using computer vision techniques. *Journal of Electronic Imaging*, **2017**, 26, 051404	0.7	2
38	Intersection Monitoring Using Computer Vision Techniques for Capacity, Delay, and Safety Analysis **2017**, 163-193		
37	Learning to Score Olympic Events **2017**,		49
36	Traffic phase inference using traffic cameras **2017**,		2
35	Looking at Intersections: A Survey of Intersection Monitoring, Behavior and Safety Analysis of Recent Studies. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 4-24	6.1	65
34	Measuring the quality of exercises. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 2241-2244	0.9	13
33	Fast CNN surveillance pipeline for fine-grained vessel classification and detection in maritime scenarios **2016**,		12
32	Vision-Based Turning Movement Monitoring:Count, Speed & Waiting Time Estimation. *IEEE Intelligent Transportation Systems Magazine*, **2016**, 8, 23-34	2.6	26
31	Vision-based pedestrian behavior analysis at intersections. *Journal of Electronic Imaging*, **2016**, 25, 051203	0.7	9
30	Vision-Based Vehicle and Pedestrian Tracking of Intersection Videos. *International Journal on Artificial Intelligence Tools*, **2016**, 25, 1640004	0.9	1
29	**2015**,		20
28	Vision-based vehicle queue analysis at junctions **2015**,		7
27	A typical video-based framework for counting, behavior and safety analysis at intersections **2015**,		11
26	Off-the-Shelf CNN Features for Fine-Grained Classification of Vessels in a Maritime Environment. *Lecture Notes in Computer Science*, **2015**, 379-388	0.9	12
25	Hierarchical and Networked Vehicle Surveillance in ITS: A Survey. *IEEE Transactions on Intelligent Transportation Systems*, **2015**, 16, 557-580	6.1	61
24	Vision-Based Vehicle Counting with High Accuracy for Highways with Perspective View. *Lecture Notes in Computer Science*, **2015**, 809-818	0.9	3
23	Safety Quantification of Intersections Using Computer Vision Techniques. *Lecture Notes in Computer Science*, **2015**, 752-761	0.9	

22	Vision-based turning movement counting at intersections by cooperating zone and trajectory comparison modules **2014**,		15
21	Comparison of Object Detection Algorithms on Maritime Vessels **2014**,		2
20	Contextual Combination of Appearance and Motion for Intersection Videos with Vehicles and Pedestrians. *Lecture Notes in Computer Science*, **2014**, 708-717	0.9	9
19	Fast FPGA-based fault injection tool for embedded processors **2013**,		6
18	Understanding vehicular traffic behavior from video: a survey of unsupervised approaches. *Journal of Electronic Imaging*, **2013**, 22, 041113	0.7	34
17	Observing on-road vehicle behavior: Issues, approaches, and perspectives **2013**,		8
16	. *IEEE Transactions on Intelligent Transportation Systems*, **2012**, 13, 1667-1678	6.1	44
15	Trajectory learning for activity understanding: unsupervised, multilevel, and long-term adaptive approach. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2011**, 33, 2287-301	13.3	222
14	Real-time roadway emissions estimation using visual traffic measurements **2011**,		4
13	On-road prediction of driver's intent with multimodal sensory cues. *IEEE Pervasive Computing*, **2011**, 10, 22-34	1.3	80
12	Learning multi-lane trajectories using vehicle-based vision **2011**,		28
11	Lane change intent prediction for driver assistance: On-road design and evaluation **2011**,		115
10	Vehicle Iconic Surround Observer: Visualization platform for intelligent driver support applications **2010**,		13
9	Contextual Activity Visualization from Long-Term Video Observations. *IEEE Intelligent Systems*, **2010**, 25, 50-62	4.2	6
8	Unsupervised learning of motion patterns of rear surrounding vehicles **2009**,		11
7	Learning trajectory patterns by clustering: Experimental studies and comparative evaluation **2009**,		103
6	Learning, Modeling, and Classification of Vehicle Track Patterns from Live Video. *IEEE Transactions on Intelligent Transportation Systems*, **2008**, 9, 425-437	6.1	131
5	A Survey of Vision-Based Trajectory Learning and Analysis for Surveillance. *IEEE Transactions on Circuits and Systems for Video Technology*, **2008**, 18, 1114-1127	6.4	306

List of Publications

4	An adaptive scene description for activity analysis in surveillance video **2008**,	4
3	Real-Time Video Based Highway Traffic Measurement and Performance Monitoring **2007**,	7
2	Improved Vehicle Classification in Long Traffic Video by Cooperating Tracker and Classifier Modules **2006**,	23
1	Learning trajectory patterns by clustering: Experimental studies and comparative evaluation	15