

Yi Lin

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

491
citations

623734

14
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated traffic incident detection with a smaller dataset based on generative adversarial networks. <i>Accident Analysis and Prevention</i> , 2020, 144, 105628.	5.7	69
2	Deep learning based short-term air traffic flow prediction considering temporal-spatial correlation. <i>Aerospace Science and Technology</i> , 2019, 93, 105113.	4.8	58
3	A Real-Time ATC Safety Monitoring Framework Using a Deep Learning Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 4572-4581.	8.0	38
4	Spoken Instruction Understanding in Air Traffic Control: Challenge, Technique, and Application. <i>Aerospace</i> , 2021, 8, 65.	2.2	36
5	An algorithm for trajectory prediction of flight plan based on relative motion between positions. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2018, 19, 905-916.	2.6	33
6	Real-time traffic incident detection based on a hybrid deep learning model. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 78-98.	2.0	32
7	A Unified Framework for Multilingual Speech Recognition in Air Traffic Control Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 3608-3620.	11.3	30
8	Detecting multi-oriented text with corner-based region proposals. <i>Neurocomputing</i> , 2019, 334, 134-142.	5.9	29
9	Improving speech recognition models with small samples for air traffic control systems. <i>Neurocomputing</i> , 2021, 445, 287-297.	5.9	25
10	STELA: A Real-Time Scene Text Detector With Learned Anchor. <i>IEEE Access</i> , 2019, 7, 153400-153407.	4.2	20
11	Research on the Air Traffic Flow Prediction Using a Deep Learning Approach. <i>IEEE Access</i> , 2019, 7, 148019-148030.	4.2	17
12	Real-time Controlling Dynamics Sensing in Air Traffic System. <i>Sensors</i> , 2019, 19, 679.	3.8	15
13	A Deep Gaussian Process-Based Flight Trajectory Prediction Approach and Its Application on Conflict Detection. <i>Algorithms</i> , 2020, 13, 293.	2.1	15
14	A Deep Learning Framework of Autonomous Pilot Agent for Air Traffic Controller Training. <i>IEEE Transactions on Human-Machine Systems</i> , 2021, 51, 442-450.	3.5	15
15	ATCSpeechNet: A multilingual end-to-end speech recognition framework for air traffic control systems. <i>Applied Soft Computing Journal</i> , 2021, 112, 107847.	7.2	15
16	A Deep Learning Approach for Short-Term Airport Traffic Flow Prediction. <i>Aerospace</i> , 2022, 9, 11.	2.2	13
17	Towards multilingual end-to-end speech recognition for air traffic control. <i>IET Intelligent Transport Systems</i> , 2021, 15, 1203-1214.	3.0	9
18	Automatic repetition instruction generation for air traffic control training using multi-task learning with an improved copy network. <i>Knowledge-Based Systems</i> , 2022, 241, 108232.	7.1	9

#	ARTICLE	IF	CITATIONS
19	ATCSpeech: A Multilingual Pilot-Controller Speech Corpus from Real Air Traffic Control Environment. , 0, , .		7
20	An Improved U-Net Architecture for Image Dehazing. IEICE Transactions on Information and Systems, 2021, E104.D, 2218-2225.	0.7	4
21	Tensor completion-based trajectory imputation approach in air traffic control. Aerospace Science and Technology, 2021, 114, 106754.	4.8	1
22	GPU-based multi-slice per pass algorithm in interactive volume illumination rendering. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1092-1103.	2.6	1