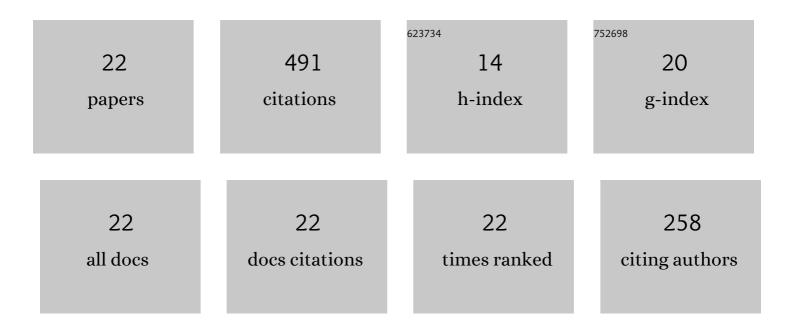


List of Publications by Year in descending order

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VELIN

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

Yi Lin

#	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