Jun Tang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/250990/publications.pdf

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31	858	840776	580821
papers	citations	11 h-index	25 g-index

31	31	31	495
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Systematic Review of Collision-Avoidance Approaches for Unmanned Aerial Vehicles. IEEE Systems Journal, 2022, 16, 4356-4367.	4.6	17
2	SFSADE: an improved self-adaptive differential evolution algorithm with a shuffled frog-leaping strategy. Artificial Intelligence Review, 2022, 55, 3937-3978.	15.7	8
3	EDOA: An Elastic Deformation Optimization Algorithm. Applied Intelligence, 2022, 52, 17580-17599.	5.3	3
4	A typhoon trajectory prediction model based on multimodal and multitask learning. Applied Soft Computing Journal, 2022, 122, 108804.	7.2	8
5	DeepFR: A trajectory prediction model based on deep feature representation. Information Sciences, 2022, 604, 226-248.	6.9	11
6	Graphical composite modeling and simulation for multi-aircraft collision avoidance. Software and Systems Modeling, 2021, 20, 821-835.	2.7	2
7	Trajectory prediction based on long short-term memory network and Kalman filter using hurricanes as an example. Computational Geosciences, 2021, 25, 1005-1023.	2.4	12
8	A Review on Representative Swarm Intelligence Algorithms for Solving Optimization Problems: Applications and Trends. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1627-1643.	13.1	335
9	Tuning the through-thickness orientation of 1D nanocarbons to enhance the electrical conductivity and ILSS of hierarchical CFRP composites. Science and Engineering of Composite Materials, 2021, 28, 453-465.	1.4	5
10	Research on Cooperative Reconnaissance Strategy of the Unmanned Aerial Vehicle Group in Uncertain Environment. , 2021, , .		0
11	Research on Multi-UAV Cooperative Defense Method with Support Mechanism. , 2021, , .		0
12	A Medium-Term Conflict Detection and Resolution Method for Open Low-Altitude City Airspace Based on Temporally and Spatially Integrated Strategies. IEEE Transactions on Control Systems Technology, 2020, 28, 1817-1830.	5.2	5
13	Efficient Algorithm for the Identification of Node Significance in Complex Network. IEEE Access, 2020, 8, 28947-28955.	4.2	9
14	Research on Multi-UAV Dynamic Mission Assignment Method Based on Clustering Algorithm. , 2020, , .		1
15	Distributed Conflict-Detection and Resolution Algorithm for UAV Swarms Based on Consensus Algorithm and Strategy Coordination. IEEE Access, 2019, 7, 100552-100566.	4.2	16
16	Conflict Detection and Resolution for Civil Aviation: A Literature Survey. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 20-35.	1.3	42
17	Optimized artificial potential field algorithm to multi-unmanned aerial vehicle coordinated trajectory planning and collision avoidance in three-dimensional environment. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 6032-6043.	1.3	18
18	Distributed Conflict-Detection and Resolution Algorithms for Multiple UAVs Based on Key-Node Selection and Strategy Coordination. IEEE Access, 2019, 7, 42846-42858.	4.2	11

#	Article	IF	Citations
19	A causal encounter model of traffic collision avoidance system operations for safety assessment and advisory optimization in high-density airspace. Transportation Research Part C: Emerging Technologies, 2018, 96, 347-365.	7.6	34
20	Graphical Modeling and Analysis Software for State Space-Based Optimization of Discrete Event Systems. IEEE Access, 2018, 6, 38385-38398.	4.2	5
21	A Causal Model for Safety Assessment Purposes in Opening the Low-Altitude Urban Airspace of Chinese Pilot Cities. Journal of Advanced Transportation, 2018, 2018, 1-18.	1.7	3
22	Simulation modelling of traffic collision avoidance system with wind disturbance. IEEE Aerospace and Electronic Systems Magazine, 2018, 33, 36-45.	1.3	6
23	Collision Avoidance for Cooperative UAVs With Optimized Artificial Potential Field Algorithm. IEEE Access, 2017, 5, 18382-18390.	4.2	199
24	Cooperative Multi-UAV Collision Avoidance Based on Distributed Dynamic Optimization and Causal Analysis. Applied Sciences (Switzerland), 2017, 7, 83.	2.5	13
25	Sense selection strategy of collision avoidance for cooperative UAVs sharing airspace. , 2016, , .		2
26	An evaluation method of object-oriented Petri net on combat effectiveness of air defense and antimissile. , 2016, , .		0
27	Coloured Petri net-based traffic collision avoidance system encounter model for the analysis of potential induced collisions. Transportation Research Part C: Emerging Technologies, 2016, 67, 357-377.	7.6	63
28	Dynamic and Quantitative Method of Analyzing Service Consistency Evolution Based on Extended Hierarchical Finite State Automata. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	1
29	Collision Avoidance for Multi-UAV Based on Geometric Optimization Model in 3D Airspace. Arabian Journal for Science and Engineering, 2014, 39, 8409-8416.	1.1	26
30	Quantitative evaluation of model consistency evolution in compositional service-oriented simulation using a connected hyper-digraph. Journal of Zhejiang University: Science C, 2014, 15, 1-12.	0.7	1
31	Run-time infrastructure based on service-oriented simulation architecture. , 2012, , .		2