

# Jinchao Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

749  
citations

840776

11  
h-index

839539

18  
g-index

46  
all docs

46  
docs citations

46  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Clustering-Based Coverage Path Planning Method for Autonomous Heterogeneous UAVs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25546-25556.	8.0	148
2	Coverage path planning of heterogeneous unmanned aerial vehicles based on ant colony system. Swarm and Evolutionary Computation, 2022, 69, 101005.	8.1	100
3	An Adaptive Clustering-Based Algorithm for Automatic Path Planning of Heterogeneous UAVs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16842-16853.	8.0	91
4	Scheduling non-preemptive tasks with strict periods in multi-core real-time systems. Journal of Systems Architecture, 2018, 90, 72-84.	4.3	57
5	Schedulability analysis of non-preemptive strictly periodic tasks in multi-core real-time systems. Real-Time Systems, 2016, 52, 239-271.	1.3	51
6	Energy-aware scheduling for dependent tasks in heterogeneous multiprocessor systems. Journal of Systems Architecture, 2022, 129, 102598.	4.3	46
7	Cost and makespan scheduling of workflows in clouds using list multiobjective optimization technique. Journal of Systems Architecture, 2021, 112, 101837.	4.3	32
8	Scheduling Independent Partitions in Integrated Modular Avionics Systems. PLoS ONE, 2016, 11, e0168064.	2.5	32
9	Sensitivity Analysis of Strictly Periodic Tasks in Multi-Core Real-Time Systems. IEEE Access, 2019, 7, 135005-135022.	4.2	17
10	Multi-region Coverage Path Planning for Heterogeneous Unmanned Aerial Vehicles Systems. , 2019, , .		16
11	An Improved A* Algorithm for UAV Path Planning Problems. , 2020, , .		16
12	Energy-Saving Optimization and Control of Autonomous Electric Vehicles With Considering Multiconstraints. IEEE Transactions on Cybernetics, 2022, 52, 10869-10881.	9.5	16
13	Work-in-Progress: Non-preemptive Scheduling of Periodic Tasks with Data Dependency Upon Heterogeneous Multiprocessor Platforms. , 2019, , .		15
14	Minimizing Monetary Costs for Deadline Constrained Workflows in Cloud Environments. IEEE Access, 2020, 8, 25060-25074.	4.2	15
15	Scheduling independent tasks in cloud environment based on modified differential evolution. Concurrency Computation Practice and Experience, 2023, 35, e6256.	2.2	9
16	Allocation and Scheduling of Strictly Periodic Tasks in Multi-core Real-Time Systems. , 2016, , .		8
17	Path Planning of UAVs Based on Improved Ant Colony System. , 2020, , .		8
18	Safe and Energy-Saving Vehicle-Following Driving Decision-Making Framework of Autonomous Vehicles. IEEE Transactions on Industrial Electronics, 2022, 69, 13859-13871.	7.9	8

#	ARTICLE	IF	CITATIONS
19	Region Coverage Path Planning of Multiple Disconnected Convex Polygons Based on Simulated Annealing Algorithm. , 2021, , .		7
20	Scheduling energy-aware tasks in distributed heterogeneous computing systems. Concurrency Computation Practice and Experience, 2022, 34, e6520.	2.2	5
21	CP-ABE Based Privacy-Preserving User Profile Matching in Mobile Social Networks. PLoS ONE, 2016, 11, e0157933.	2.5	4
22	A DEA Based Hybrid Algorithm for Bi-objective Task Scheduling in Cloud Computing. , 2018, , .		4
23	A FACE-based Simulation and Verification Approach for Avionics Systems. , 2019, , .		4
24	Path planning of UAVs based on improved Clustering Algorithm and Ant Colony System Algorithm. , 2020, , .		4
25	Cooperative Task Allocation of Multiple UAVs Based on Greedy Algorithm. , 2021, , .		4
26	Schedulability analysis for independent partitions in integrated modular avionics systems. , 2015, , .		3
27	PSP: proximity-based secure pairing of mobile devices using WiFi signals. Wireless Networks, 2019, 25, 733-751.	3.0	3
28	Multi-obstacle Path Planning of UAV Based on Improved Ant Colony System Algorithm. , 2020, , .		3
29	Real-time digital simulator for distributed systems. Simulation, 2021, 97, 299-309.	1.8	3
30	Design and implementation of a virtual ARINC 653 simulation platform. Simulation, 0, , 003754972199601.	1.8	3
31	Dueling Network Architecture for Multi-Agent Deep Deterministic Policy Gradient. , 2021, , .		3
32	An Eco-Cruise Control for Electric Vehicles Moving on Slope Road with Constant Speed. Journal of Advanced Transportation, 2021, 2021, 1-14.	1.7	3
33	Design and Implementation of Universal Configurable Digital Emulators. , 2019, , .		2
34	Scheduling for Heterogeneous Computing Platforms using a Genetic Algorithm. , 2020, , .		2
35	Selective Concolic Testing for Hardware Trojan Detection in Behavioral SystemC Designs. , 2020, , .		2
36	Design of Virtual Simulation Experiment Platform Based on ARINC 653 Specification. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	An Information Fusion Positioning Algorithm Based on Extended Dempster-Shafer Evidence Theory. , 2019, , .		1
38	An efficient differential evolution algorithm for task scheduling in heterogeneous cloud systems. , 2019, , .		1
39	Microservice Architecture for Embedded Systems. , 2021, , .		1
40	A Universal and Configurable Simulator for Distributed Systems. , 2018, , .		0
41	Central-distributed Control Model of UAV Group and its application in Perception Module. , 2019, , .		0
42	An Improved Geometrical Path Planning Algorithm for UAV in Irregular-obstacle Environment. , 2019, , .		0
43	Real-time Extension Technologies on the Windows Operation System. , 2019, , .		0
44	Schedulability of Strictly Periodic Tasks with Communication Dependence. , 2020, , .		0
45	Weighted K-nearest Neighbor Fast Localization Algorithm Based on RSSI for Wireless Sensor Systems. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 295-301.	0.3	0
46	A Bytecode Service Composition Engine for Embedded Services. , 2021, , .		0