

Jinchao Chen

List of Publications by Year in descending order

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times ranked

189
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Scheduling independent tasks in cloud environment based on modified differential evolution. Concurrency Computation Practice and Experience, 2023, 35, e6256. | 2.2 | 9 |
| 2 | Energy-Saving Optimization and Control of Autonomous Electric Vehicles With Considering Multiconstraints. IEEE Transactions on Cybernetics, 2022, 52, 10869-10881. | 9.5 | 16 |
| 3 | A Clustering-Based Coverage Path Planning Method for Autonomous Heterogeneous UAVs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25546-25556. | 8.0 | 148 |
| 4 | Scheduling energy-conscious tasks in distributed heterogeneous computing systems. Concurrency Computation Practice and Experience, 2022, 34, e6520. | 2.2 | 5 |
| 5 | Coverage path planning of heterogeneous unmanned aerial vehicles based on ant colony system. Swarm and Evolutionary Computation, 2022, 69, 101005. | 8.1 | 100 |
| 6 | 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 |
| 7 | 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 |
| 8 | Energy-aware scheduling for dependent tasks in heterogeneous multiprocessor systems. Journal of Systems Architecture, 2022, 129, 102598. | 4.3 | 46 |
| 9 | Cost and makespan scheduling of workflows in clouds using list multiobjective optimization technique. Journal of Systems Architecture, 2021, 112, 101837. | 4.3 | 32 |
| 10 | Real-time digital simulator for distributed systems. Simulation, 2021, 97, 299-309. | 1.8 | 3 |
| 11 | Region Coverage Path Planning of Multiple Disconnected Convex Polygons Based on Simulated Annealing Algorithm. , 2021, , . | | 7 |
| 12 | Dueling Network Architecture for Multi-Agent Deep Deterministic Policy Gradient. , 2021, , . | | 3 |
| 13 | Cooperative Task Allocation of Multiple UAVs Based on Greedy Algorithm. , 2021, , . | | 4 |
| 14 | 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 |
| 15 | Microservice Architecture for Embedded Systems. , 2021, , . | | 1 |
| 16 | A Bytecode Service Composition Engine for Embedded Services. , 2021, , . | | 0 |
| 17 | Scheduling for Heterogeneous Computing Platforms using a Genetic Algorithm. , 2020, , . | | 2 |
| 18 | Path planning of UAVs based on improved Clustering Algorithm and Ant Colony System Algorithm. , 2020, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Schedulability of Strictly Periodic Tasks with Communication Dependence. , 2020, , . | | 0 |
| 20 | Multi-obstacle Path Planning of UAV Based on Improved Ant Colony System Algorithm. , 2020, , . | | 3 |
| 21 | Selective Concolic Testing for Hardware Trojan Detection in Behavioral SystemC Designs. , 2020, , . | | 2 |
| 22 | An Improved A* Algorithm for UAV Path Planning Problems. , 2020, , . | | 16 |
| 23 | Design of Virtual Simulation Experiment Platform Based on ARINC 653 Specification. , 2020, , . | | 2 |
| 24 | Minimizing Monetary Costs for Deadline Constrained Workflows in Cloud Environments. IEEE Access, 2020, 8, 25060-25074. | 4.2 | 15 |
| 25 | Path Planning of UAVs Based on Improved Ant Colony System. , 2020, , . | | 8 |
| 26 | 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 |
| 27 | Sensitivity Analysis of Strictly Periodic Tasks in Multi-Core Real-Time Systems. IEEE Access, 2019, 7, 135005-135022. | 4.2 | 17 |
| 28 | Design and Implementation of Universal Configurable Digital Emulators. , 2019, , . | | 2 |
| 29 | Central-distributed Control Model of UAV Group and its application in Perception Module. , 2019, , . | | 0 |
| 30 | An Improved Geometrical Path Planning Algorithm for UAV in Irregular-obstacle Environment. , 2019, , . | | 0 |
| 31 | Real-time Extension Technologies on the Windows Operation System. , 2019, , . | | 0 |
| 32 | Multi-region Coverage Path Planning for Heterogeneous Unmanned Aerial Vehicles Systems. , 2019, , . | | 16 |
| 33 | An Information Fusion Positioning Algorithm Based on Extended Dempster-Shafer Evidence Theory. , 2019, , . | | 1 |
| 34 | A FACE-based Simulation and Verification Approach for Avionics Systems. , 2019, , . | | 4 |
| 35 | An efficient differential evolution algorithm for task scheduling in heterogeneous cloud systems. , 2019, , . | | 1 |
| 36 | Work-in-Progress: Non-preemptive Scheduling of Periodic Tasks with Data Dependency Upon Heterogeneous Multiprocessor Platforms. , 2019, , . | | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | PSP: proximity-based secure pairing of mobile devices using WiFi signals. <i>Wireless Networks</i> , 2019, 25, 733-751. | 3.0 | 3 |
| 38 | A DEA Based Hybrid Algorithm for Bi-objective Task Scheduling in Cloud Computing. , 2018, , . | | 4 |
| 39 | A Universal and Configurable Simulator for Distributed Systems. , 2018, , . | | 0 |
| 40 | Scheduling non-preemptive tasks with strict periods in multi-core real-time systems. <i>Journal of Systems Architecture</i> , 2018, 90, 72-84. | 4.3 | 57 |
| 41 | CP-ABE Based Privacy-Preserving User Profile Matching in Mobile Social Networks. <i>PLoS ONE</i> , 2016, 11, e0157933. | 2.5 | 4 |
| 42 | Allocation and Scheduling of Strictly Periodic Tasks in Multi-core Real-Time Systems. , 2016, , . | | 8 |
| 43 | Schedulability analysis of non-preemptive strictly periodic tasks in multi-core real-time systems. <i>Real-Time Systems</i> , 2016, 52, 239-271. | 1.3 | 51 |
| 44 | Scheduling Independent Partitions in Integrated Modular Avionics Systems. <i>PLoS ONE</i> , 2016, 11, e0168064. | 2.5 | 32 |
| 45 | Schedulability analysis for independent partitions in integrated modular avionics systems. , 2015, , . | | 3 |
| 46 | Design and implementation of a virtual ARINC 653 simulation platform. <i>Simulation</i> , 0, , 003754972199601. | 1.8 | 3 |