Jie Tang

List of Publications by Year
in descending order

22 papers	905 citations	840776 11 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	797 citing authors

#	Article	IF	Citations
1	A Task-Aware Fine-Grained Storage Selection Mechanism for In-Memory Big Data Computing Frameworks. International Journal of Parallel Programming, 2021, 49, 25-50.	1.5	1
2	An edge streaming data processing framework for autonomous driving. Connection Science, 2021, 33, 173-200.	3.0	15
3	A Survey of FPGA-Based Robotic Computing. IEEE Circuits and Systems Magazine, 2021, 21, 48-74.	2.3	38
4	Π-RT: A Runtime Framework to Enable Energy-Efficient Real-Time Robotic Vision Applications on Heterogeneous Architectures. Computer, 2021, 54, 14-25.	1.1	6
5	Streaming Data Priority Scheduling Framework for Autonomous Driving by Edge. , 2021, , .		1
6	On Designing Computing Systems for Autonomous Vehicles. , 2021, , .		2
7	Application of Autonomous Driving Technologies in the presence of COVID-19: to reduce occupational exposure and potential nosocomial infections of care workers, during transportation in Emergency Medical Service (EMS). , 2021, , .		1
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e326" altimg="si6.svg"><mml:mi>Ï€</mml:mi></mml:math>-Hub: Large-scale video learning, storage, and retrieval on heterogeneous hardware platforms. Future Generation Computer Systems, 2020, 102, 514-523.	7.5	3
9	Creating Autonomous Vehicle Systems, Second Edition. Synthesis Lectures on Computer Science, 2020, 8, i-216.	0.3	12
10	LoPECS: A Low-Power Edge Computing System for Real-Time Autonomous Driving Services. IEEE Access, 2020, 8, 30467-30479.	4.2	28
11	Ï€-BA: Bundle Adjustment Hardware Accelerator based on Distribution of 3D-Point Observations. IEEE Transactions on Computers, 2020, , 1-1.	3.4	11
12	A Container Based Edge Offloading Framework for Autonomous Driving. IEEE Access, 2020, 8, 33713-33726.	4.2	28
13	Autonomous Last-Mile Delivery Vehicles in Complex Traffic Environments. Computer, 2020, 53, 26-35.	1.1	18
14	Edge Computing for Autonomous Driving: Opportunities and Challenges. Proceedings of the IEEE, 2019, 107, 1697-1716.	21.3	364
15	A Dependency-Aware Storage Schema Selection Mechanism for In-Memory Big Data Computing Frameworks. International Journal of Parallel Programming, 2019, 47, 502-519.	1.5	2
16	Energy-Efficient Data Caching Framework for Spark in Hybrid DRAM/NVM Memory Architectures. , 2019, , .		6
17	LCRC: A Dependency-Aware Cache Management Policy for Spark. , 2018, , .		7
18	Creating Autonomous Vehicle Systems. Synthesis Lectures on Computer Science, 2017, 6, i-186.	0.3	64

#	Article	IF	Citations
19	Enabling Deep Learning on IoT Devices. Computer, 2017, 50, 92-96.	1.1	123
20	Computer Architectures for Autonomous Driving. Computer, 2017, 50, 18-25.	1.1	125
21	A Unified Cloud Platform for Autonomous Driving. Computer, 2017, 50, 42-49.	1.1	49
22	CSAS: Cost-Based Storage Auto-Selection, a Fine Grained Storage Selection Mechanism for Spark. Lecture Notes in Computer Science, 2017, , 150-154.	1.3	1