Sihao Liu

List of Publications by Year
in descending order

14 papers	261 citations	2258059 3 h-index	1872680 6 g-index
14 all docs	14 docs citations	14 times ranked	112 citing authors

#	Article	IF	Citations
1	Systematically Understanding Graph Accelerator Dimensions and the Value of Hardware Flexibility. IEEE Micro, 2022, 42, 87-96.	1.8	2
2	Near-Stream Computing: General and Transparent Near-Cache Acceleration. , 2022, , .		4
3	Unifying Spatial Accelerator Compilation With Idiomatic and Modular Transformations. IEEE Micro, 2022, 42, 59-69.	1.8	3
4	PolyGraph: Exposing the Value of Flexibility for Graph Processing Accelerators. , 2021, , .		29
5	DSAGEN: Synthesizing Programmable Spatial Accelerators. , 2020, , .		65
6	A Hybrid Systolic-Dataflow Architecture for Inductive Matrix Algorithms. , 2020, , .		39
7	Towards General-Purpose Acceleration: Finding Structure in Irregularity. IEEE Micro, 2020, 40, 37-46.	1.8	2
8	Towards General Purpose Acceleration by Exploiting Common Data-Dependence Forms. , 2019, , .		55
9	μIR -An intermediate representation for transforming and optimizing the microarchitecture of application accelerators. , 2019, , .		19
10	DAEGEN: A Modular Compiler for Exploring Decoupled Spatial Accelerators. IEEE Computer Architecture Letters, 2019, 18, 161-165.	1.5	2
11	<i>In vivo</i> monitoring of microwave ablation in a porcine model using ultrasonic differential attenuation coefficient intercept imaging. International Journal of Hyperthermia, 2018, 34, 1157-1170.	2.5	11
12	<italic>Ex Vivo</italic> and <italic>In Vivo</italic> Monitoring and Characterization of Thermal Lesions by High-Intensity Focused Ultrasound and Microwave Ablation Using Ultrasonic Nakagami Imaging. IEEE Transactions on Medical Imaging, 2018, 37, 1701-1710.	8.9	29
13	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		1
14	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		0