

# Sihao Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7630031/publications.pdf>

Version: 2024-02-01

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	DSAGEN: Synthesizing Programmable Spatial Accelerators. , 2020, , .		65
2	Towards General Purpose Acceleration by Exploiting Common Data-Dependence Forms. , 2019, , .		55
3	A Hybrid Systolic-Dataflow Architecture for Inductive Matrix Algorithms. , 2020, , .		39
4	<i>Ex Vivo</i> and <i>In Vivo</i> 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
5	PolyGraph: Exposing the Value of Flexibility for Graph Processing Accelerators. , 2021, , .		29
6	¼IR -An intermediate representation for transforming and optimizing the microarchitecture of application accelerators. , 2019, , .		19
7	<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
8	Near-Stream Computing: General and Transparent Near-Cache Acceleration. , 2022, , .		4
9	Unifying Spatial Accelerator Compilation With Idiomatic and Modular Transformations. IEEE Micro, 2022, 42, 59-69.	1.8	3
10	DAEGEN: A Modular Compiler for Exploring Decoupled Spatial Accelerators. IEEE Computer Architecture Letters, 2019, 18, 161-165.	1.5	2
11	Towards General-Purpose Acceleration: Finding Structure in Irregularity. IEEE Micro, 2020, 40, 37-46.	1.8	2
12	Systematically Understanding Graph Accelerator Dimensions and the Value of Hardware Flexibility. IEEE Micro, 2022, 42, 87-96.	1.8	2
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