

# Saransh Gupta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/389766/publications.pdf>

Version: 2024-02-01

29  
papers

900  
citations

1937685

4  
h-index

2053705

5  
g-index

29  
all docs

29  
docs citations

29  
times ranked

570  
citing authors

#	ARTICLE	IF	CITATIONS
1	COSMO: Computing with Stochastic Numbers in Memory. ACM Journal on Emerging Technologies in Computing Systems, 2022, 18, 1-25.	2.3	1
2	Stochastic-HD: Leveraging Stochastic Computing on the Hyper-Dimensional Computing Pipeline. Frontiers in Neuroscience, 2022, 16, .	2.8	0
3	HDnn-PIM: Efficient in Memory Design of Hyperdimensional Computing with Feature Extraction. , 2022, , .		6
4	DP-Sim. , 2021, , .		3
5	Invited: Accelerating Fully Homomorphic Encryption with Processing in Memory. , 2021, , .		6
6	Stochastic-HD: Leveraging Stochastic Computing on Hyper-Dimensional Computing. , 2021, , .		2
7	Massively Parallel Big Data Classification on a Programmable Processing In-Memory Architecture. , 2021, , .		0
8	SearchHD: A Memory-Centric Hyperdimensional Computing With Stochastic Training. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 2422-2433.	2.7	43
9	Deep Learning Acceleration with Neuron-to-Memory Transformation. , 2020, , .		14
10	DUAL: Acceleration of Clustering Algorithms using Digital-based Processing In-Memory. , 2020, , .		51
11	Implementing binary neural networks in memory with approximate accumulation. , 2020, , .		1
12	Deep Learning Acceleration using Digital-Based Processing In-Memory. , 2020, , .		0
13	HDCluster: An Accurate Clustering Using Brain-Inspired High-Dimensional Computing. , 2019, , .		26
14	Thermal-Aware Design and Management for Search-based In-Memory Acceleration. , 2019, , .		4
15	FloatPIM. , 2019, , .		141
16	UPIM: Unipolar Switching Logic for High Density Processing-in-Memory Applications. , 2019, , .		1
17	FACH. , 2019, , .		27
18	GRAM. , 2019, , .		27

#	ARTICLE	IF	CITATIONS
19	DigitalPIM. , 2019, , .		12
20	Exploring Processing In-Memory for Different Technologies. , 2019, , .		9
21	NNPIM: A Processing In-Memory Architecture for Neural Network Acceleration. IEEE Transactions on Computers, 2019, 68, 1325-1337.	3.4	38
22	NVQuery: Efficient Query Processing in Nonvolatile Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 628-639.	2.7	11
23	GenPIM: Generalized processing in-memory to accelerate data intensive applications. , 2018, , .		6
24	FELIX. , 2018, , .		97
25	RMAC. , 2018, , .		29
26	GAS. , 2018, , .		12
27	Ultra-Efficient Processing In-Memory for Data Intensive Applications. , 2017, , .		69
28	Efficient query processing in crossbar memory. , 2017, , .		20
29	Logic Design Within Memristive Memories Using Memristor-Aided loGIC (MAGIC). IEEE Nanotechnology Magazine, 2016, 15, 635-650.	2.0	244