

Chen Ding

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

550
citations

933447

10
h-index

940533

16
g-index

34
all docs

34
docs citations

34
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the CaMKII-Sarm1-ASK1-p38 MAP kinase pathway protects against axon degeneration caused by loss of mitochondria. <i>ELife</i> , 2022, 11, .	6.0	18
2	CARL: Compiler Assigned Reference Leasing. <i>Transactions on Architecture and Code Optimization</i> , 2022, 19, 1-28.	2.0	0
3	Neurexin and frizzled intercept axonal transport at microtubule minus ends to control synapse formation. <i>Developmental Cell</i> , 2022, 57, 1802-1816.e4.	7.0	9
4	Striking Back against Fungal Infections: The Utilization of Nanosystems for Antifungal Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10104.	4.1	15
5	Mechanisms of injury-induced axon degeneration. <i>Current Opinion in Neurobiology</i> , 2019, 57, 171-178.	4.2	29
6	The Role of Copper Homeostasis at the Host-Pathogen Axis: From Bacteria to Fungi. <i>International Journal of Molecular Sciences</i> , 2019, 20, 175.	4.1	82
7	Fast Miss Ratio Curve Modeling for Storage Cache. <i>ACM Transactions on Storage</i> , 2018, 14, 1-34.	2.1	21
8	Fine-grained data usage analysis by access sampling. , 2018, , .		0
9	Footprint modeling of cache associativity and granularity. , 2018, , .		4
10	\hat{I}^3 -Neurexin and Frizzled Mediate Parallel Synapse Assembly Pathways Antagonized by Receptor Endocytosis. <i>Neuron</i> , 2018, 100, 150-166.e4.	8.1	57
11	Locality analysis through static parallel sampling. , 2018, , .		14
12	PAYJIT: space-optimal JIT compilation and its practical implementation. , 2018, , .		2
13	Prediction and bounds on shared cache demand from memory access interleaving. , 2018, , .		3
14	Aberrant information transfer interferes with functional axon regeneration. <i>ELife</i> , 2018, 7, .	6.0	18
15	Rochester Elastic Cache Utility (RECU): Unequal Cache Sharing is Good Economics. <i>International Journal of Parallel Programming</i> , 2017, 45, 30-44.	1.5	9
16	LD. <i>Transactions on Architecture and Code Optimization</i> , 2017, 14, 1-25.	2.0	8
17	Cache Exclusivity and Sharing. <i>Transactions on Architecture and Code Optimization</i> , 2017, 14, 1-26.	2.0	9
18	Optimal Symbiosis and Fair Scheduling in Shared Cache. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017, 28, 1134-1148.	5.6	7

#	ARTICLE	IF	CITATIONS
19	Optimizing Locality-Aware Memory Management of Key-Value Caches. IEEE Transactions on Computers, 2017, 66, 862-875.	3.4	11
20	Adaptive Software Caching for Efficient NVRAM Data Persistence. , 2017, , .		8
21	Write Locality and Optimization for Persistent Memory. , 2016, , .		7
22	Replacement Policies for Heterogeneous Memories. , 2016, , .		2
23	Rethinking a heap hierarchy as a cache hierarchy: a higher-order theory of memory demand (HOTM). , 2016, , .		8
24	Structural Basis for Regulation of GPR56/ADGRG1 by Its Alternatively Spliced Extracellular Domains. Neuron, 2016, 91, 1292-1304.	8.1	92
25	Rethinking Memory Management in Modern Operating System: Horizontal, Vertical or Random?. IEEE Transactions on Computers, 2016, 65, 1921-1935.	3.4	23
26	Hardware support for protective and collaborative cache sharing. , 2016, , .		0
27	MMC. , 2015, , .		0
28	Protection and utilization in shared cache through rationing. , 2014, , .		3
29	Performance Metrics and Models for Shared Cache. Journal of Computer Science and Technology, 2014, 29, 692-712.	1.5	12
30	Fast Track: A Software System for Speculative Program Optimization. , 2009, , .		78