Chen Ding

List of Publications by Year
in descending order

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	Structural Basis for Regulation of GPR56/ADGRG1 by Its Alternatively Spliced Extracellular Domains. Neuron, 2016, 91, 1292-1304.	8.1	92
2	The Role of Copper Homeostasis at the Host-Pathogen Axis: From Bacteria to Fungi. International Journal of Molecular Sciences, 2019, 20, 175.	4.1	82
3	Fast Track: A Software System for Speculative Program Optimization. , 2009, , .		78
4	Î³-Neurexin and Frizzled Mediate Parallel Synapse Assembly Pathways Antagonized by Receptor Endocytosis. Neuron, 2018, 100, 150-166.e4.	8.1	57
5	Mechanisms of injury-induced axon degeneration. Current Opinion in Neurobiology, 2019, 57, 171-178.	4.2	29
6	Rethinking Memory Management in Modern Operating System: Horizontal, Vertical or Random?. IEEE Transactions on Computers, 2016, 65, 1921-1935.	3.4	23
7	Fast Miss Ratio Curve Modeling for Storage Cache. ACM Transactions on Storage, 2018, 14, 1-34.	2.1	21
8	Aberrant information transfer interferes with functional axon regeneration. ELife, 2018, 7, .	6.0	18
9	Activation of the CaMKII-Sarm1-ASK1-p38 MAP kinase pathway protects against axon degeneration caused by loss of mitochondria. ELife, 2022, 11, .	6.0	18
10	Striking Back against Fungal Infections: The Utilization of Nanosystems for Antifungal Strategies. International Journal of Molecular Sciences, 2021, 22, 10104.	4.1	15
11	Locality analysis through static parallel sampling. , 2018, , .		14
12	Performance Metrics and Models for Shared Cache. Journal of Computer Science and Technology, 2014, 29, 692-712.	1.5	12
13	Optimizing Locality-Aware Memory Management of Key-Value Caches. IEEE Transactions on Computers, 2017, 66, 862-875.	3.4	11
14	Rochester Elastic Cache Utility (RECU): Unequal Cache Sharing is Good Economics. International Journal of Parallel Programming, 2017, 45, 30-44.	1.5	9
15	Cache Exclusivity and Sharing. Transactions on Architecture and Code Optimization, 2017, 14, 1-26.	2.0	9
16	Neurexin and frizzled intercept axonal transport at microtubule minus ends to control synapse formation. Developmental Cell, 2022, 57, 1802-1816.e4.	7.0	9
17	Rethinking a heap hierarchy as a cache hierarchy: a higher-order theory of memory demand (HOTM). , 2016, , .		8
18	LD. Transactions on Architecture and Code Optimization, 2017, 14, 1-25.	2.0	8

#	Article	IF	Citations
19	Adaptive Software Caching for Efficient NVRAM Data Persistence. , 2017, , .		8
20	Write Locality and Optimization for Persistent Memory. , 2016, , .		7
21	Optimal Symbiosis and Fair Scheduling in Shared Cache. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1134-1148.	5.6	7
22	Footprint modeling of cache associativity and granularity. , 2018, , .		4
23	Protection and utilization in shared cache through rationing. , 2014, , .		3
24	Prediction and bounds on shared cache demand from memory access interleaving. , 2018, , .		3
25	Replacement Policies for Heterogeneous Memories. , 2016, , .		2
26	PAYJIT: space-optimal JIT compilation and its practical implementation. , 2018, , .		2
27	Fine-grained data usage analysis by access sampling. , 2018, , .		0
28	MMC. , 2015, , .		0
29	Hardware support for protective and collaborative cache sharing. , 2016, , .		0
30	CARL: Compiler Assigned Reference Leasing. Transactions on Architecture and Code Optimization, 2022, 19, 1-28.	2.0	0