Sungyoung Park

List of Publications by Year
in descending order

45 papers	276 citations	1163117 8 h-index	1125743 13 g-index
45 all docs	45 docs citations	45 times ranked	265 citing authors

#	Article	IF	Citations
1	Towards energy-efficient service scheduling in federated edge clouds. Cluster Computing, 2023, 26, 2591-2603.	5.0	3
2	Parallelizing Shared File I/O Operations of NVM File System for Manycore Servers. IEEE Access, 2021, 9, 24570-24585.	4.2	6
3	A GPU Scheduling Framework to Accelerate Hyper-Parameter Optimization in Deep Learning Clusters. Electronics (Switzerland), 2021, 10, 350.	3.1	2
4	GPUKV. , 2021, , .		1
5	Is Data Migration Evil in the NVM File System?. , 2021, , .		0
6	Low-overhead dynamic sharing of graphics memory space in GPU virtualization environments. Cluster Computing, 2020, 23, 2167-2178.	5.0	1
7	An Energy-Efficient Service Scheduling Algorithm in Federated Edge Cloud. , 2020, , .		4
8	A Distributed Oracle Using Intel SGX for Blockchain-Based IoT Applications. Sensors, 2020, 20, 2725.	3.8	26
9	Crocus: Enabling Computing Resource Orchestration for Inline Cluster-Wide Deduplication on Scalable Storage Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1740-1753.	5.6	10
10	GARET: improving throughput using gas consumption-aware relocation in Ethereum sharding environments. Cluster Computing, 2020, 23, 2235-2247.	5.0	8
11	A Probabilistic Machine Learning Approach to Scheduling Parallel Loops with Bayesian Optimization. IEEE Transactions on Parallel and Distributed Systems, 2020, , 1-1.	5.6	5
12	Understanding the performance of storage class memory file systems in the NUMA architecture. Cluster Computing, 2019, 22, 347-360.	5.0	3
13	Optimizing communication performance in scale-out storage system. Cluster Computing, 2019, 22, 335-346.	5.0	1
14	Async-LCAM: a lock contention aware messenger for Ceph distributed storage system. Cluster Computing, 2019, 22, 373-384.	5.0	4
15	Gas Consumption-Aware Dynamic Load Balancing in Ethereum Sharding Environments. , 2019, , .		8
16	pNOVA. , 2019, , .		12
17	Ballooning Graphics Memory Space in Full GPU Virtualization Environments. Scientific Programming, 2019, 2019, 1-11.	0.7	0
18	A Cloud-based Middleware for Self-Adaptive IoT-Collaboration Services. Sensors, 2019, 19, 4559.	3.8	10

#	Article	IF	Citations
19	DymGPU: Dynamic Memory Management for Sharing GPUs in Virtualized Clouds. , 2018, , .		2
20	Amoeba: An Autonomous Backup and Recovery SSD for Ransomware Attack Defense. IEEE Computer Architecture Letters, 2018, 17, 245-248.	1.5	32
21	An Architecture Framework for Orchestrating Context-Aware IT Ecosystems: A Case Study for Quantitative Evaluation. Sensors, 2018, 18, 562.	3.8	10
22	An Automatic User Activity Analysis Method for Discovering Latent Requirements: Usability Issue Detection on Mobile Applications. Sensors, 2018, 18, 2963.	3.8	3
23	EDGESTORE: A Single Namespace and Resource-Aware Federation File System for Edge Servers. , 2018, , .		6
24	LAWC: Optimizing Write Cache Using Layout-Aware I/O Scheduling for All Flash Storage. IEEE Transactions on Computers, 2017, 66, 1890-1902.	3.4	3
25	VNF-EQ: dynamic placement of virtual network functions for energy efficiency and QoS guarantee in NFV. Cluster Computing, 2017, 20, 2107-2117.	5.0	38
26	Performance Optimization of Communication Subsystem in Scale-Out Distributed Storage. , 2017, , .		1
27	ZonFS: A Storage Class Memory File System with Memory Zone Partitioning on Linux. , 2017, , .		2
28	An Energy-Aware Service Function Chaining and Reconfiguration Algorithm in NFV. , 2016, , .		12
29	A Dynamic Message-Aware Communication Scheduler for Ceph Storage System. , 2016, , .		3
30	Android RMI: a user-level remote method invocation mechanism between Android devices. Journal of Supercomputing, 2016, 72, 2471-2487.	3.6	9
31	A CPU Overhead-Aware VM Placement Algorithm for Network Bandwidth Guarantee in Virtualized Data Centers. , 2015, , .		1
32	A QoS Assured Network Service Chaining Algorithm in Network Function Virtualization Architecture. , 2015, , .		20
33	A dynamic block device reconfiguration algorithm in virtual MapReduce cluster. Cluster Computing, 2014, 17, 1171-1183.	5.0	2
34	A Service Path Selection and Adaptation Algorithm in Service-Oriented Network Virtualization Architecture. , 2013, , .		1
35	A NEW ENSEMBLE LEARNING ALGORITHM USING REGIONAL CLASSIFIERS. International Journal on Artificial Intelligence Tools, 2013, 22, 1350025.	1.0	3
36	A Simulation-Based Migration Manager in Server Virtualization Environments. , 2011, , .		0

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37	A CPU provision scheme considering virtual machine scheduling delays in Xen virtualized environment. , 2009, , .		4
38	A flow-based prediction scheme to manage resources in enterprise data centers. , 2008, , .		1
39	DONet-P: A streaming overlay network protocol with private network support. , 2007, , .		1
40	A multirate cyclic loop scheduling based on the information of video frame in 3G-324M environment. , 2007, , .		0
41	Adapting Superpeer Size Using Particle Swam Optimization for Self-Organizing Superpeer Ring with Loosely Consistent DHT. , 2007, , .		0
42	A Cluster File System for High Data Availability Using Locality-Aware Partial Replication. , 2007, , .		0
43	A Performance Evaluation Methodology in Virtual Environments. , 2007, , .		8
44	A Dynamic Layer Management Scheme for a Superpeer Ring with a Loosely-Consistent DHT. , 2007, , .		2
45	An ant system approach to Markov decision processes. , 2004, , .		8