

Bu-Sung Lee

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

2,099
citations

643344

15
h-index

371746

37
g-index

102
all docs

102
docs citations

102
times ranked

1981
citing authors

#	ARTICLE	IF	CITATIONS
1	Critique of "MemXCT: memory-centric X-ray CT reconstruction with massive parallelization by SCC Team from Nanyang Technological University. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	4.0	0
2	Adaptive Automatic Controller for Swing Assist by Pneumatic Artificial Muscle. , 2020, , .		1
3	Feature Engineering for Grid-based Multi-Floor Indoor Localisation using Machine Learning. , 2020, , .		3
4	CamType: assistive text entry using gaze with an off-the-shelf webcam. Machine Vision and Applications, 2019, 30, 407-421.	1.7	6
5	Power-network aware VM migration heuristics for multi-tier web applications. Cluster Computing, 2019, 22, 757-782.	3.5	3
6	Fair Resource Allocation for Data-Intensive Computing in the Cloud. IEEE Transactions on Services Computing, 2018, 11, 20-33.	3.2	34
7	A new reconstruction method in gaze estimation with natural head movement. , 2017, , .		1
8	Robust Eye-Based Dwell-Free Typing. International Journal of Human-Computer Interaction, 2016, 32, 682-694.	3.3	13
9	Dynamic Job Ordering and Slot Configurations for MapReduce Workloads. IEEE Transactions on Services Computing, 2016, 9, 4-17.	3.2	26
10	GazeTry. , 2015, , .		13
11	A robust recognition approach in eye-based dwell-free typing. , 2015, , .		1
12	Joint virtual machine allocation and power portfolio optimization for data centers in smart grid environment. , 2014, , .		0
13	Cooperative Virtual Machine Management in Smart Grid Environment. IEEE Transactions on Services Computing, 2014, 7, 545-560.	3.2	16
14	Towards Economic Fairness for Big Data Processing in Pay-as-You-Go Cloud Computing. , 2014, , .		13
15	Analysis of visually guided tracking performance in Parkinson's disease. , 2014, , .		1
16	WPress: An Application-Driven Performance Benchmark for Cloud-Based Virtual Machines. , 2014, , .		22
17	Long-term resource fairness. , 2014, , .		24
18	A Wavelet Entropy-Based Change Point Detection on Network Traffic: A Case Study of Heartbleed Vulnerability. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
19	Capacity planning for data center to support green computing. , 2014, , .		0
20	Excessive Sensitivity to Uncertain Visual Input in L-DOPA-Induced Dyskinesias in Parkinsonâ€™s Disease: Further Implications for Cerebellar Involvement. Frontiers in Neurology, 2014, 5, 8.	1.1	8
21	A rule-based approach for availability of service by automated service substitution. Software - Practice and Experience, 2014, 44, 47-76.	2.5	7
22	DynamicMR: A Dynamic Slot Allocation Optimization Framework for MapReduce Clusters. IEEE Transactions on Cloud Computing, 2014, 2, 333-347.	3.1	57
23	Hadoop framework: impact of data organization on performance. Software - Practice and Experience, 2013, 43, 1241-1260.	2.5	12
24	Dynamic slot allocation technique for MapReduce clusters. , 2013, , .		17
25	Pattern-based video coding with dynamic background modeling. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	10
26	Collaborative Analytics with Genetic Programming for Workflow Recommendation. , 2013, , .		4
27	Simulation of Information Propagation over Complex Networks: Performance Studies on Multi-GPU. , 2013, , .		2
28	Power-Efficient Virtual Machine Placement and Migration in Data Centers. , 2013, , .		28
29	Simulation studies of viral advertisement diffusion on multi-GPU. , 2013, , .		1
30	A Demo Paper: An Analytic Workflow Framework for Green Campus. , 2012, , .		1
31	Mode-Dependent Templates and Scan Order for H.264/AVC-Based Intra Lossless Coding. IEEE Transactions on Image Processing, 2012, 21, 4106-4116.	6.0	11
32	Optimization of Resource Provisioning Cost in Cloud Computing. IEEE Transactions on Services Computing, 2012, 5, 164-177.	3.2	494
33	Rotated Orthogonal Transform (ROT) for Motion-Compensation Residual Coding. IEEE Transactions on Image Processing, 2012, 21, 4770-4781.	6.0	15
34	Toward Reliable Data Delivery for Highly Dynamic Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2012, 11, 111-124.	3.9	67
35	Explore and Model Better I-Frames for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1242-1254.	5.6	56
36	Cost Minimization for Provisioning Virtual Servers in Amazon Elastic Compute Cloud. , 2011, , .		53

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37	Direct Intermode Selection for H.264 Video Coding Using Phase Correlation. IEEE Transactions on Image Processing, 2011, 20, 461-473.	6.0	54
38	A visual attention model combining top-down and bottom-up mechanisms for salient object detection. , 2011, , .		25
39	Cross-Layer Detection of Sinking Behavior in Wireless Ad Hoc Networks Using SVM and FDA. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 233-245.	3.7	51
40	Improving job scheduling performance with parallel access to replicas in Data Grid environment. Journal of Supercomputing, 2011, 56, 245-269.	2.4	3
41	McFIS in hierarchical bipredictive pictures-based video coding for referencing the stable area in a scene. , 2011, , .		7
42	A model to predict the optimal performance of the Hierarchical Data Grid. Future Generation Computer Systems, 2010, 26, 1-11.	4.9	16
43	Video coding using the most common frame in scene. , 2010, , .		31
44	Two dimensional Singular Value Decomposition (2D-SVD) based video coding. , 2010, , .		5
45	Comparison between H.264/AVC and Motion jpeg2000 for super-high definition video coding. , 2010, , .		5
46	Availability and effectiveness of root DNS servers: A long term study. , 2010, , .		2
47	Robust cloud resource provisioning for cloud computing environments. , 2010, , .		42
48	Robust image compression based on compressive sensing. , 2010, , .		27
49	Seamless Handoff in Heterogeneous Network for VoIP Applications. , 2010, , .		0
50	Performance modeling for runtime kernel adaptation: A case study on infectious disease simulation. , 2010, , .		2
51	MapReduce Framework: Some Challenges. , 2010, , .		3
52	A dynamic admission control scheme to manage contention on shared computing resources. Concurrency Computation Practice and Experience, 2009, 21, 133-158.	1.4	4
53	A terminal-assisted route optimized NEMO management. Telecommunication Systems, 2009, 42, 263-272.	1.6	5
54	Economic analysis of resource market in cloud computing environment. , 2009, , .		13

#	ARTICLE	IF	CITATIONS
55	Optimal virtual machine placement across multiple cloud providers. , 2009, , .		228
56	Algorithms to minimize channel interference in multiple channels multiple interfaces environments. , 2009, , .		0
57	CRADS: Integrated Cross Layer Approach for Detecting Routing Attacks in MANETs. , 2008, , .		25
58	Impact of Parallel Download on Job Scheduling in Data Grid Environment. , 2008, , .		9
59	Seamless Mobility Across Heterogeneous Wireless Domains. , 2008, , .		0
60	An Efficient Scheme to Discover Neighbors Beyond Omnidirectional Transmission Range. , 2008, , .		1
61	Efficient QoS Differentiation in Crowded Wireless LANs. IEEE Vehicular Technology Conference, 2008, , .	0.2	2
62	Critical causal order of events in distributed virtual environments. ACM Transactions on Multimedia Computing, Communications and Applications, 2007, 3, 15.	3.0	18
63	Effectiveness of Explicit Stations Grouping in Crowded Wireless LANs. IEEE Communications Letters, 2007, 11, 659-661.	2.5	4
64	Local Maximum Avoidance with Correlated Street Blocking for Map-based Geographic Routing in VANETs. , 2007, , .		1
65	Cross Layer versus Single Layer Approaches for Intrusion Detection in MANETs. Networks, 2008 ICON 2008 16th IEEE International Conference on, 2007, , .	0.0	12
66	DIGITAL MEDIA PORTAL FOR THE GRID. , 2007, , .		0
67	RENDERING-ON-DEMAND SERVICE ACROSS HETEROGENEOUS GRID ENVIRONMENT. , 2007, , .		1
68	Analysis of Jobs in a Multi-Organizational Grid Test-bed. , 2006, , .		3
69	Agent oriented software engineering for grid computing. , 2006, , .		2
70	Distributed Neighbor Discovery in Ad Hoc Networks Using Directional Antennas. , 2006, , .		20
71	Adaptive policing for token-exchange based management of shared computing resources. , 2006, , .		0
72	Workload management of cooperatively federated computing clusters. Journal of Supercomputing, 2006, 36, 309-322.	2.4	7

#	ARTICLE	IF	CITATIONS
73	The impact of data replication on job scheduling performance in the Data Grid. Future Generation Computer Systems, 2006, 22, 254-268.	4.9	136
74	An Event-Driven Sports Video Adaptation for the MPEG-21 DIA Framework. , 2006, , .		3
75	Employing economics to achieve fairness in usage policing of cooperatively shared computing resources. , 2005, , .		10
76	Dynamic replication algorithms for the multi-tier Data Grid. Future Generation Computer Systems, 2005, 21, 775-790.	4.9	105
77	A Hybrid Analysis of an Optimization Approach for Cluster Applications. Journal of Supercomputing, 2005, 32, 191-215.	2.4	1
78	Semantics in service discovery and QoS measurement. IT Professional, 2005, 7, 29-34.	1.4	50
79	Addressing sporadic contention on shared computing clusters. , 2005, , .		0
80	Characterization and delivery of directly coupled causal messages in distributed systems. Future Generation Computer Systems, 2004, 20, 171-178.	4.9	2
81	Key Messaging on SOME-Bus clusters. Parallel Computing, 2004, 30, 947-971.	1.3	3
82	DAML-QoS ontology for Web services. , 2004, , .		63
83	Key Message Approach to Optimize Communication of Parallel Applications on Clusters. Cluster Computing, 2003, 6, 253-265.	3.5	7
84	Resource co-allocation for parallel tasks in computational grids. , 2003, , .		8
85	On optimizing route discovery of topology-based on-demand routing protocols for ad hoc networks. Journal of Communications and Networks, 2003, 5, 266-274.	1.8	2
86	Causal Order Delivery in a Multicast Environment: An Improved Algorithm. Journal of Parallel and Distributed Computing, 2002, 62, 111-131.	2.7	10
87	JBSP: A BSP Programming Library in Java. Journal of Parallel and Distributed Computing, 2001, 61, 1126-1142.	2.7	17
88	Route discovery optimisation for dynamic source routing in mobile ad hoc networks. Electronics Letters, 2000, 36, 1963.	0.5	7
89	PERFORMANCE EVALUATION OF JPVM. Parallel Processing Letters, 1999, 09, 401-410.	0.4	2
90	Performance evaluation of a communication optimization model in network-based parallel computing. , 0, , .		1

#	ARTICLE	IF	CITATIONS
91	A causality based time management mechanism for federated simulation. , 0, , .		0
92	Automatic construction of Hierarchical Federations Architecture. , 0, , .		3
93	Implementation of federation management services over federation community networks. , 0, , .		0
94	Design and development of a cluster gateway for cluster-based HLA distributed virtual simulation environments. , 0, , .		2
95	A decentralized hierarchical scheduler for a grid-based clearinghouse. , 0, , .		3
96	An epidemiology-inspired approach for modeling broadcast route discovery in wireless ad hoc networks. , 0, , .		1
97	A Mobile System of Super-Peers Using City Buses. , 0, , .		2
98	An Improved Distortion Model for rate control of DCT-based Video Coding. , 0, , .		1