

Chao-Tung Yang

List of Publications by Year in descending order

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Version: 2024-02-01

353
papers

2,824
citations

346980

22
h-index

425179

34
g-index

377
all docs

377
docs citations

377
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of PM2.5 and aspergillosis: ambient fine particulate air pollution and population-based big data linkage analyses. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2024, 15, 1837-1847.	3.3	12
2	Tool wear prediction using convolutional bidirectional LSTM networks. <i>Journal of Supercomputing</i> , 2022, 78, 810-832.	2.4	20
3	Fake News Classification Based on Content Level Features. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1116.	1.3	23
4	The Prediction of Influenza-like Illness and Respiratory Disease Using LSTM and ARIMA. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1858.	1.2	21
5	Short-Term Prediction of PM2.5 Using LSTM Deep Learning Methods. <i>Sustainability</i> , 2022, 14, 2068.	1.6	23
6	Cyberattacks detection and analysis in a network log system using XGBoost with ELK stack. <i>Soft Computing</i> , 2022, 26, 5143-5157.	2.1	4
7	Implementation of a Cluster-Based Heterogeneous Edge Computing System for Resource Monitoring and Performance Evaluation. <i>IEEE Access</i> , 2022, 10, 38458-38471.	2.6	9
8	On Construction of a Campus Outdoor Air and Water Quality Monitoring System Using LoRaWAN. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5018.	1.3	9
9	In the Seeking of Association between Air Pollutant and COVID-19 Confirmed Cases Using Deep Learning. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6373.	1.2	1
10	Performance benchmarking of deep learning framework on Intel Xeon Phi. <i>Journal of Supercomputing</i> , 2021, 77, 2486-2510.	2.4	7
11	On Construction of Sensors, Edge, and Cloud (iSEC) Framework for Smart System Integration and Applications. <i>IEEE Internet of Things Journal</i> , 2021, 8, 309-319.	5.5	29
12	Air quality monitoring and analysis with dynamic training using deep learning. <i>Journal of Supercomputing</i> , 2021, 77, 5586-5605.	2.4	3
13	The Implementation of a Cloud-Edge Computing Architecture Using OpenStack and Kubernetes for Air Quality Monitoring Application. <i>Mobile Networks and Applications</i> , 2021, 26, 1070-1092.	2.2	28
14	The implementation of data storage and analytics platform for big data lake of electricity usage with spark. <i>Journal of Supercomputing</i> , 2021, 77, 5934-5959.	2.4	18
15	High-SNR steganography for digital audio signal in the wavelet domain. <i>Multimedia Tools and Applications</i> , 2021, 80, 9597-9614.	2.6	4
16	Using deep ensemble for influenza-like illness consultation rate prediction. <i>Future Generation Computer Systems</i> , 2021, 117, 369-386.	4.9	9
17	PM2.5 Forecasting Model Using a Combination of Deep Learning and Statistical Feature Selection. <i>IEEE Access</i> , 2021, 9, 68573-68582.	2.6	12
18	Cyberattack detection model using deep learning in a network log system with data visualization. <i>Journal of Supercomputing</i> , 2021, 77, 10984-11003.	2.4	10

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19	On construction of transfer learning for facial symmetry assessment before and after orthognathic surgery. Computer Methods and Programs in Biomedicine, 2021, 200, 105928.	2.6	24
20	<i>FTO</i> Obesity Variantâ€™Exercise Interaction on Changes in Body Weight and BMI: The Taiwan Biobank Study. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3673-e3681.	1.8	4
21	Implementation and evaluation of a container management platform on Docker: Hadoop deployment as an example. Cluster Computing, 2021, 24, 3421-3430.	3.5	10
22	Current advances and future challenges of AIoT applications in particulate matters (PM) monitoring and control. Journal of Hazardous Materials, 2021, 419, 126442.	6.5	27
23	Automatic Assessment of 3-Dimensional Facial Soft Tissue Symmetry Before and After Orthognathic Surgery Using a Machine Learning Model. Annals of Plastic Surgery, 2021, 86, S224-S228.	0.5	23
24	Flame Recognition System Using YoLo. Lecture Notes in Electrical Engineering, 2021, , 239-246.	0.3	1
25	A Container-Based of Edge Device Monitoring on Kubernetes. Lecture Notes in Electrical Engineering, 2021, , 231-237.	0.3	5
26	Wi-Fi Location-Based 3D Map for Device Connections. Lecture Notes in Electrical Engineering, 2021, , 207-213.	0.3	0
27	Using Spark Distributed Deep Learning to Analyze NetFlow in Data Lake System. Lecture Notes in Electrical Engineering, 2021, , 215-221.	0.3	0
28	An implementation of cloud-based platform with R packages for spatiotemporal analysis of air pollution. Journal of Supercomputing, 2020, 76, 1416-1437.	2.4	11
29	On construction of a network log management system using ELK Stack with Ceph. Journal of Supercomputing, 2020, 76, 6344-6360.	2.4	10
30	On construction of the air pollution monitoring service with a hybrid database converter. Soft Computing, 2020, 24, 7955-7975.	2.1	5
31	On construction of an energy monitoring service using big data technology for the smart campus. Cluster Computing, 2020, 23, 265-288.	3.5	35
32	On Construction and Performance Evaluation of a Virtual Desktop Infrastructure With GPU Accelerated. IEEE Access, 2020, 8, 170162-170173.	2.6	7
33	Visualizing Potential Transportation Demand From ETC Log Analysis Using ELK Stack. IEEE Internet of Things Journal, 2020, 7, 6623-6633.	5.5	15
34	Implementation of an energy saving cloud infrastructure with virtual machine power usage monitoring and live migration on OpenStack. Computing (Vienna/New York), 2020, 102, 1547-1566.	3.2	9
35	Influenza-like illness prediction using a long short-term memory deep learning model with multiple open data sources. Journal of Supercomputing, 2020, 76, 9303-9329.	2.4	30
36	NetFlow Monitoring and Cyberattack Detection Using Deep Learning With Ceph. IEEE Access, 2020, 8, 7842-7850.	2.6	16

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37	iSEC: An Optimized Deep Learning Model for Image Classification on Edge Computing. IEEE Access, 2020, 8, 27267-27276.	2.6	33
38	PM2.5 Forecasting Using LSTM Sequence to Sequence Model in Taichung City. Lecture Notes in Electrical Engineering, 2020, , 497-507.	0.3	2
39	The Implementation of a Network Log System Using RNN on Cyberattack Detection with Data Visualization. Lecture Notes in Electrical Engineering, 2020, , 321-329.	0.3	1
40	Digital audio signal watermarking using minimum energy scaling optimisation in the wavelet domain. IET Signal Processing, 2020, 14, 791-802.	0.9	3
41	Implementation of a Respiratory Disease Forecasting Model Using LSTM for Central Taiwan. Lecture Notes in Electrical Engineering, 2020, , 441-450.	0.3	2
42	An Integrated Framework of Supply Chain Traceability Based on Blockchain Technology. Lecture Notes in Electrical Engineering, 2020, , 346-351.	0.3	1
43	Implementation of Fire and Smoke Detection using DeepStream and Edge Computing Approachs. , 2020, , .		5
44	Optimization of Deep Learning Inference on Edge Devices. , 2020, , .		8
45	A Monitoring System of Water Quality Tunghai Lake Using LoRaWAN. , 2020, , .		3
46	The Implementation of Facial Symmetry Assessment Before and After Orthognathic Surgery Using Transfer Learning. Lecture Notes in Electrical Engineering, 2020, , 23-33.	0.3	2
47	Correction to: Implementation of a Respiratory Disease Forecasting Model Using LSTM for Central Taiwan. Lecture Notes in Electrical Engineering, 2020, , C1-C1.	0.3	0
48	Image Classification Model Using Deep Learning on the Edge Device. Lecture Notes in Electrical Engineering, 2020, , 11-22.	0.3	1
49	The Implementation of an Edge Computing Architecture with LoRaWAN for Air Quality Monitoring Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 210-219.	0.2	0
50	The Deep Learning Modules for Cyberattack Identification in NetFlow Data Log with Ceph. Lecture Notes in Electrical Engineering, 2020, , 312-320.	0.3	0
51	An Edge Computing Architecture for Object Detection. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 201-209.	0.2	0
52	Autoclave Molding Artificial Intelligence (AI) Method and Apparatus System of Composite Materials for Aerospace Applications. , 2020, , .		3
53	Implementation of an Edge Computing Architecture Using OpenStack and Kubernetes. Lecture Notes in Electrical Engineering, 2019, , 675-685.	0.3	15
54	A Heterogeneous Cloud Storage Platform With Uniform Data Distribution by Software-Defined Storage Technologies. IEEE Access, 2019, 7, 147672-147682.	2.6	12

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55	Container-Based Virtualization for Real-Time Data Streaming Processing on the Edge Computing Architecture. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 203-211.	0.2	4
56	On construction of a big data warehouse accessing platform for campus power usages. Journal of Parallel and Distributed Computing, 2019, 133, 40-50.	2.7	9
57	Recurrent Neural Networks for Analysis and Automated Air Pollution Forecasting. Lecture Notes in Electrical Engineering, 2019, , 50-59.	0.3	3
58	On construction of a cloud storage system with heterogeneous software-defined storage technologies. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	5
59	The Implementation of a Campus Air Monitoring System Using LoRa Network. Lecture Notes in Electrical Engineering, 2019, , 388-397.	0.3	3
60	Next-generation Internet of things and cloud security solutions. International Journal of Distributed Sensor Networks, 2019, 15, 155014771983509.	1.3	8
61	An energy-efficient cloud system with novel dynamic resource allocation methods. Journal of Supercomputing, 2019, 75, 4408-4429.	2.4	14
62	An Implementation of Scalable High Throughput Data Platform for Logging Semiconductor Testing Results. IEEE Access, 2019, 7, 26497-26506.	2.6	9
63	Decision Support for the Optimization of Provider Staffing for Hospital Emergency Departments with a Queue-Based Approach. Journal of Clinical Medicine, 2019, 8, 2154.	1.0	4
64	Mode Selection and Spectrum Allocation in Coexisting D2D and Cellular Networks with Cooperative Precoding. Sensors, 2019, 19, 5417.	2.1	1
65	The Implementation of a Hadoop Ecosystem Portal with Virtualization Deployment. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 116-127.	0.5	0
66	On Construction of a Caffe Deep Learning Framework based on Intel Xeon Phi. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 96-106.	0.5	2
67	An implementation of real-time air quality and influenza-like illness data storage and processing platform. Computers in Human Behavior, 2019, 100, 266-274.	5.1	20
68	A predictive load balancing technique for software defined networked cloud services. Computing (Vienna/New York), 2019, 101, 211-235.	3.2	17
69	Implementation of a real-time network traffic monitoring service with network functions virtualization. Future Generation Computer Systems, 2019, 93, 687-701.	4.9	25
70	Implementation of an Environmental Quality and Harmful Gases Monitoring System in Cloud. Journal of Medical and Biological Engineering, 2019, 39, 456-469.	1.0	9
71	Implementation of an Intelligent Indoor Environmental Monitoring and management system in cloud. Future Generation Computer Systems, 2019, 96, 731-749.	4.9	84
72	On Construction of a Power Data Lake Platform Using Spark. Lecture Notes in Electrical Engineering, 2019, , 99-108.	0.3	3

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73	The Implementation of NetFlow Log System Using Ceph and ELK Stack. Lecture Notes in Electrical Engineering, 2019, , 256-265.	0.3	0
74	The Implementation of Wi-Fi Log Analysis System with ELK Stack. Lecture Notes in Electrical Engineering, 2019, , 246-255.	0.3	1
75	Fuzzy Prediction for Time-Series Data—A Case Study at Taichung City Open Data of Air Pollution. Lecture Notes in Electrical Engineering, 2019, , 398-407.	0.3	0
76	Performance Comparison of Lightweight Kubernetes in Edge Devices. Communications in Computer and Information Science, 2019, , 304-309.	0.4	15
77	Interference-Aware Mode Selection for New Arriving Devices in D2D Communications. , 2018, , .		0
78	The Implementation of a Virtual Desktop Infrastructure with GPU Accelerated on OpenStack. , 2018, , .		1
79	Message from the TAAI 2018 Program Co-Chairs. , 2018, , .		0
80	The Implementation of a Data-Accessing Platform Built from Big Data Warehouse of Electric Loads. , 2018, , .		3
81	The Integration of Shared Storages with the CephFS and Rados Gateway for Big Data Accessing. , 2018, , .		0
82	On construction of a virtual GPU cluster with InfiniBand and 10Gb Ethernet virtualization. Journal of Supercomputing, 2018, 74, 6876-6897.	2.4	2
83	An Internal Intrusion Detection and Protection System by Using Data Mining and Forensic Techniques. IEEE Systems Journal, 2017, 11, 427-438.	2.9	27
84	Improvement of workload balancing using parallel loop self-scheduling on Intel Xeon Phi. Journal of Supercomputing, 2017, 73, 4981-5005.	2.4	5
85	The implementation of a cloud city traffic state assessment system using a novel big data architecture. Cluster Computing, 2017, 20, 1101-1121.	3.5	12
86	Implementation of Ceph Storage with Big Data for Performance Comparison. Lecture Notes in Electrical Engineering, 2017, , 625-633.	0.3	6
87	Virtual machine management system based on the power saving algorithm in cloud. Journal of Network and Computer Applications, 2017, 80, 165-180.	5.8	22
88	Implementation of a Big Data Accessing and Processing Platform for Medical Records in Cloud. Journal of Medical Systems, 2017, 41, 149.	2.2	31
89	The Implementation of a GPU-Accelerated Virtual Desktop Infrastructure Platform. , 2017, , .		6
90	Multi-node Big Data VM Platform and Job Submission Portlet. , 2017, , .		0

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91	Implementation of a virtual switch monitoring system using OpenFlow on cloud. International Journal of Ad Hoc and Ubiquitous Computing, 2017, 24, 162.	0.3	1
92	Square Key Matrix Management Scheme in Wireless Sensor Networks. Computing and Informatics, 2017, 36, 169-185.	0.4	1
93	On construction of a distributed data storage system in cloud. Computing (Vienna/New York), 2016, 98, 93-118.	3.2	21
94	An approach of performance comparisons with OpenMP and CUDA parallel programming on multicore systems. Concurrency Computation Practice and Experience, 2016, 28, 4230-4245.	1.4	3
95	The Implementation of Sensor Data Access Cloud Service on HBase for Intelligent Indoor Environmental Monitoring. , 2016, , .		2
96	Big data development platform for engineering applications. , 2016, , .		4
97	Implementation of an Energy Saving Cloud Infrastructure with Virtual Machine Power Usage Monitoring and Live Migration on OpenStack. , 2016, , .		1
98	The Implementation of Supporting Uniform Data Distribution with Software-Dened Storage Service on Heterogeneous Cloud Storage. , 2016, , .		3
99	iGEMS: A Cloud Green Energy Management System in Data Center. Lecture Notes in Computer Science, 2016, , 82-98.	1.0	2
100	On Construction of an Energy Monitoring Service Using Big Data Technology for Smart Campus. , 2016, , .		8
101	The Implementation of Air Pollution Monitoring Service Using Hybrid Database Converter. , 2016, , .		3
102	The Implementation of Real-Time Network Traffic Monitoring Service with Network Functions Virtualization. , 2015, , .		2
103	Cloud City Traffic State Assessment System Using a Novel Architecture of Big Data. , 2015, , .		4
104	Decision Support for Cloud Logistics by Optimizing the Quantities of Standby Servers in Cloud Environment. , 2015, , .		3
105	Evaluating Virtual Cluster Configuration and Compiler Measured. , 2015, , .		0
106	Environment Virtualized Distributed Storage System Deployment and Effectiveness Analysis. , 2015, , .		1
107	Performance Evaluation of Parallel Genetic Algorithm Using Single Program Multiple Data Technique. , 2015, , .		2
108	Improvement of Workload Balancing Using Parallel Loop Self-Scheduling on Xeon Phi. , 2015, , .		1

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109	Improvement of Workload Balancing Using Parallel Loop Self-Scheduling on Intel Xeon Phi. , 2015, , .		0
110	Optimizing PSNR for Image Watermarking Using Summation Quantization on DWT Coefficients. , 2015, , .		1
111	Implementation of a Cloud Energy Saving System with Virtual Machine Dynamic Resource Allocation Method Based on OpenStack. , 2015, , .		4
112	Implementation of a Software-Defined Storage Service with Heterogeneous Storage Technologies. , 2015, , .		9
113	Scheduling contention-free broadcasts in heterogeneous networks. International Journal of Communication Systems, 2015, 28, 952-971.	1.6	5
114	Implementation of Network Traffic Monitor System with SDN. , 2015, , .		10
115	Construction of a Green Power Virtual Machine Management Method on OpenStack. , 2015, , .		0
116	Implementation of Cloud Infrastructure Monitor Platform with Power Saving Method. , 2015, , .		6
117	Accessing medical image file with co-allocation HDFS in cloud. Future Generation Computer Systems, 2015, 43-44, 61-73.	4.9	42
118	Implementation of Software-Defined Storage Service with Heterogeneous Object Storage Technologies. , 2015, , .		4
119	Implementation of Load Balancing Method for Cloud Service with Open Flow. , 2014, , .		4
120	Implementation and Evaluation of Large-Scale Video Surveillance System Based on P2P Architecture and Cloud Computing. International Journal of Distributed Sensor Networks, 2014, 10, 375871.	1.3	3
121	Implementation of an environmental quality and harmful gases monitoring system. , 2014, , .		0
122	A SysML Based Requirement Modeling Automatic Transformation Approach. , 2014, , .		3
123	An Approach of Quality of Service Assurance for Enterprise Cloud Computing (QoSAECC). , 2014, , .		6
124	On improvement of cloud virtual machine availability with virtualization fault tolerance mechanism. Journal of Supercomputing, 2014, 69, 1103-1122.	2.4	45
125	Construction and Application of an Intelligent Air Quality Monitoring System for Healthcare Environment. Journal of Medical Systems, 2014, 38, 15.	2.2	32
126	Implementation of GPU virtualization using PCI pass-through mechanism. Journal of Supercomputing, 2014, 68, 183-213.	2.4	14

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127	A method for managing green power of a virtual machine cluster in cloud. Future Generation Computer Systems, 2014, 37, 26-36.	4.9	38
128	On Construction of a Multi-Grid Resource Selection Strategy on Grids. International Journal of Grid and High Performance Computing, 2014, 6, 38-62.	0.7	2
129	Implementation of Cloud IaaS for Virtualization with Live Migration. Lecture Notes in Computer Science, 2013, , 199-207.	1.0	2
130	Implementation of Video and Medical Image Services in Cloud. , 2013, , .		3
131	A True Random-Number Encryption Method. , 2013, , .		1
132	An Improvement to Data Service in Cloud Computing with Content Sensitive Transaction Analysis and Adaptation. , 2013, , .		14
133	Implementation of a Virtual Switch Monitor System Using OpenFlow on Cloud. , 2013, , .		7
134	A secure wireless communication system by integrating RSA and Diffie-Hellman PKDS in 4G environments and an intelligent protection-key chain with a data connection core. , 2013, , .		2
135	Auction-Based Resource Provisioning with SLA Consideration on Multi-cloud Systems. , 2013, , .		6
136	Implementation of a Cloud IaaS with Dynamic Resource Allocation Method Using OpenStack. , 2013, , .		16
137	Implementation of Data Transform Method into NoSQL Database for Healthcare Data. , 2013, , .		9
138	Implementation of a Power Saving Method for Virtual Machine Management in Cloud. , 2013, , .		5
139	A Mobile Centered and Web Service Integrated Approach for Legacy eHealth Web Migration. , 2013, , .		1
140	On construction of heuristic QoS bandwidth management in clouds. Concurrency Computation Practice and Experience, 2013, 25, 2540-2560.	1.4	5
141	Building a block cipher mode of operation with feedback keys. , 2013, , .		5
142	On Construction of an Intelligent Environmental Monitoring System for Healthcare. , 2013, , .		5
143	Toward Green Sensor Field by Optimizing Power Efficiency Using D-Policy M/G/1 Queuing Systems. Mobile Information Systems, 2013, 9, 241-260.	0.4	1
144	A Multiple-Key Management Scheme in Wireless Sensor Networks. Lecture Notes in Computer Science, 2013, , 337-344.	1.0	3

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145	An Efficient Method for Optimizing Reader Deployment and Energy Saving. Sensor Letters, 2013, 11, 1695-1703.	0.4	4
146	On Construction of Cluster and Grid Computing Platforms for Parallel Bioinformatics Applications. , 2013, , 286-306.		0
147	Implementation of a Distributed Data Storage System with Resource Monitoring on Cloud Computing. Lecture Notes in Computer Science, 2012, , 64-73.	1.0	3
148	On implementation of GPU virtualization using PCI pass-through. , 2012, , .		18
149	An Integrated Development Environment to Support the Multi-core Embedded Systems Development. , 2012, , .		0
150	Traffic load analysis and its application to enhancing longevity on IEEE 802.15.4/ZigBee Sensor Network. Journal of Supercomputing, 2012, 62, 895-915.	2.4	6
151	An Overlap Aware Technique for Redundant Reader Elimination. , 2012, , .		2
152	Implementation of Smart Power Management and Service System on Cloud Computing. , 2012, , .		24
153	Optimization technique on logistic economy for cloud computing using finite-source queuing systems. , 2012, , .		3
154	On Construction of Cloud IaaS Using KVM and Open Nebula for Video Services. , 2012, , .		7
155	On Construction of a Diskless Cluster Computing Environment in a Computer Classroom. International Journal of Grid and High Performance Computing, 2012, 4, 68-88.	0.7	0
156	Design strategy for optimizing power consumption of sensor node with Min($\langle N \rangle$, $\langle T \rangle$) policy M/G/1 queuing models. International Journal of Communication Systems, 2012, 25, 652-671.	1.6	22
157	Automatic testing environment for multi-core embedded software "ATEMES. Journal of Systems and Software, 2012, 85, 43-60.	3.3	16
158	Cloud computing in Taiwan. Computer, 2012, 45, 48-56.	1.2	70
159	Using hybrid MPI and OpenMP programming to optimize communications in parallel loop self-scheduling schemes for multicore PC clusters. Journal of Supercomputing, 2012, 60, 31-61.	2.4	15
160	Designing parallel loop self-scheduling schemes using the hybrid MPI and OpenMP programming model for multi-core grid systems. Journal of Supercomputing, 2012, 59, 42-60.	2.4	14
161	Dual paths node-disjoint routing for data salvation in mobile ad hoc. Journal of Supercomputing, 2012, 59, 268-296.	2.4	7
162	Performance-based dynamic loop scheduling in heterogeneous computing environments. Journal of Supercomputing, 2012, 59, 414-442.	2.4	4

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163	Lifetime elongation for wireless sensor network using queue-based approaches. Journal of Supercomputing, 2012, 59, 1312-1335.	2.4	49
164	A Medical Image File Accessing System with Virtualization Fault Tolerance on Cloud. Lecture Notes in Computer Science, 2012, , 338-349.	1.0	2
165	On Construction of Cloud IaaS for VM Live Migration Using KVM and OpenNebula. Lecture Notes in Computer Science, 2012, , 225-234.	1.0	2
166	Using PCI Pass-Through for GPU Virtualization with CUDA. Lecture Notes in Computer Science, 2012, , 445-452.	1.0	7
167	On Construction of Cluster and Grid Computing Platforms for Parallel Bioinformatics Applications. , 2012, , 841-861.		0
168	Performance Evaluation of OpenMP and CUDA on Multicore Systems. Lecture Notes in Computer Science, 2012, , 235-244.	1.0	3
169	Due Time Setting for Peer-to-Peer Retrieval of Teaching Material in Cloud Computing Environments. , 2011, , .		2
170	XML-Based Reusable Component Repository for Embedded Software. , 2011, , .		3
171	Adaptive Performance Monitoring for Embedded Multicore Systems. , 2011, , .		1
172	A SysML-Based Requirement Supporting Tool for Embedded Software. , 2011, , .		2
173	Dynamic Voltage Adjustment for Energy Efficient Scheduling on Multi-core Systems. , 2011, , .		0
174	On Improvement of Cloud Virtual Machine Availability with Virtualization Fault Tolerance Mechanism. , 2011, , .		5
175	A Decentralized Resource Broker Model with Authorization and Authentication Based on Multiparty Key Agreement Protocol in Data Grids. , 2011, , .		0
176	A Dynamic Resource Allocation Model for Virtual Machine Management on Cloud. Communications in Computer and Information Science, 2011, , 581-590.	0.4	19
177	Green Power Management with Dynamic Resource Allocation for Cloud Virtual Machines. , 2011, , .		17
178	On Construction of Cluster and Grid Computing Platforms for Parallel Bioinformatics Applications. International Journal of Grid and High Performance Computing, 2011, 3, 69-88.	0.7	0
179	Implementation of a distributed file storage with replica management in Peer-to-Peer environments. International Journal of Ad Hoc and Ubiquitous Computing, 2011, 7, 202.	0.3	0
180	On construction of a well-balanced allocation strategy for heterogeneous multi-cluster computing environments. Journal of Supercomputing, 2011, 56, 270-299.	2.4	4

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181	Performance-based parallel loop self-scheduling using hybrid OpenMP and MPI programming on multicore SMP clusters. <i>Concurrency Computation Practice and Experience</i> , 2011, 23, 721-744.	1.4	10
182	Resource brokering using a multi-site resource allocation strategy for computational grids. <i>Concurrency Computation Practice and Experience</i> , 2011, 23, 573-594.	1.4	2
183	Design and implementation of an adaptive job allocation strategy for heterogeneous multi-cluster computing systems. <i>Concurrency Computation Practice and Experience</i> , 2011, 23, 1701-1722.	1.4	0
184	Hybrid CUDA, OpenMP, and MPI parallel programming on multicore GPU clusters. <i>Computer Physics Communications</i> , 2011, 182, 266-269.	3.0	96
185	Performance Comparison with OpenMP Parallelization for Multi-core Systems. , 2011, , .		4
186	Longevity Enhancement Technique on IEEE 802.15.4/ZigBee Sensor Network Using D-Policy M/G/1 Queuing Model. , 2011, , .		1
187	Fuzzy folksonomy-based index creation for e-Learning content retrieval on cloud computing environments. , 2011, , .		5
188	On Implementation of a KVM IaaS with Monitoring System on Cloud Environments. <i>Communications in Computer and Information Science</i> , 2011, , 300-309.	0.4	4
189	Implementation of Image Watermarking Processes on Cloud Computing Environments. <i>Communications in Computer and Information Science</i> , 2011, , 131-140.	0.4	2
190	Implementation of a Smart Grid System with SOA-based Service on Cloud. <i>Communications in Computer and Information Science</i> , 2011, , 159-168.	0.4	4
191	Deployment of Interactive Games in Learning Management Systems on Cloud Environments for Diagnostic Assessments. <i>Lecture Notes in Computer Science</i> , 2011, , 492-496.	1.0	0
192	Design and Implementation of a Multi-Grid Resource Broker for Grid Computing. , 2011, , 251-262.		2
193	A Pattern-based Refactoring Approach for Multi-core System Design. <i>International Journal of Advancements in Computing Technology</i> , 2011, 3, 196-209.	0.1	0
194	A heuristic QoS measurement with domain-based network information model for grid computing environments. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2010, 5, 235.	0.3	4
195	Improving reliability of a heterogeneous grid-based intrusion detection platform using levels of redundancies. <i>Future Generation Computer Systems</i> , 2010, 26, 554-568.	4.9	14
196	Network Bandwidth-aware job scheduling with dynamic information model for Grid resource brokers. <i>Journal of Supercomputing</i> , 2010, 52, 199-223.	2.4	6
197	Performance-based data distribution for data mining applications on grid computing environments. <i>Journal of Supercomputing</i> , 2010, 52, 171-198.	2.4	2
198	File replication, maintenance, and consistency management services in data grids. <i>Journal of Supercomputing</i> , 2010, 53, 411-439.	2.4	15

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199	Implementation of a dynamic adjustment strategy for parallel file transfer in co-allocation data grids. Journal of Supercomputing, 2010, 54, 180-205.	2.4	11
200	On utilization of the grid computing technology for video conversion and 3D rendering. Computer Standards and Interfaces, 2010, 32, 29-37.	3.8	0
201	An Anticipative Recursively Adjusting Mechanism for parallel file transfer in data grids. Concurrency Computation Practice and Experience, 2010, 22, 2144-2169.	1.4	3
202	RACAM: design and implementation of a recursively adjusting co-allocation method with efficient replica selection in Data Grids. Concurrency Computation Practice and Experience, 2010, 22, 2170-2194.	1.4	2
203	Implementation of a medical image file accessing system in co-allocation data grids. Future Generation Computer Systems, 2010, 26, 1127-1140.	4.9	25
204	Mitigation techniques for the energy hole problem in sensor networks using N-policy M/G/l queuing models. , 2010, , .		11
205	Design Framework to Optimize Power Consumption and Latency Delay for Sensor Nodes Using Min(N, Tj ETQq1 1 0.784314, rgBT /Ove		
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