Vladimir Korkhov

List of Publications by Year
in descending order

84	488	840728 11	839512 18
papers	citations	h-index	g-index

87	87	87	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Collaborative e-Science Experiments and Scientific Workflows. IEEE Internet Computing, 2011, 15, 39-47.	3.3	46
2	Dynamic workload balancing of parallel applications with user-level scheduling on the Grid. Future Generation Computer Systems, 2009, 25, 28-34.	7.5	44
3	Symptom validity testing in memory clinics: Hippocampal-memory associations and relevance for diagnosing mild cognitive impairment. Journal of Clinical and Experimental Neuropsychology, 2013, 35, 59-70.	1.3	27
4	Implementation of an E-Voting Scheme Using Hyperledger Fabric Permissioned Blockchain. Lecture Notes in Computer Science, 2019, , 509-521.	1.3	22
5	WS-VLAM. , 2007, , .		21
6	VLAM-G: a grid-based virtual laboratory. Future Generation Computer Systems, 2003, 19, 209-217.	7.5	20
7	A Grid-based Virtual Reactor: Parallel performance and adaptive load balancing. Journal of Parallel and Distributed Computing, 2008, 68, 596-608.	4.1	18
8	Constructing Virtual Private Supercomputer Using Virtualization and Cloud Technologies. Lecture Notes in Computer Science, 2014, , 341-354.	1.3	18
9	VLAM-G: Interactive Data Driven Workflow Engine for Grid-Enabled Resources. Scientific Programming, 2007, 15, 173-188.	0.7	16
10	The User-Level Scheduling of Divisible Load Parallel Applications With Resource Selection and Adaptive Workload Balancing on the Grid. IEEE Systems Journal, 2009, 3, 121-130.	4.6	16
11	Virtual private supercomputer: Design and evaluation. , 2013, , .		15
12	Using Technologies of OLAP and Machine Learning for Validation of the Numerical Models of Convective Clouds. Lecture Notes in Computer Science, 2016, , 463-472.	1.3	15
13	Software architectures to integrate workflow engines in science gateways. Future Generation Computer Systems, 2017, 75, 239-255.	7.5	13
14	Exploring workflow interoperability tools for neuroimaging data analysis. , 2011, , .		12
15	WS-VLAM: A GT4 Based Workflow Management System. Lecture Notes in Computer Science, 2007, , 191-198.	1.3	10
16	OLAP technology and machine learning as the tools for validation of the numerical models of convective clouds. International Journal of Business Intelligence and Data Mining, 2019, 14, 254.	0.2	9
17	Exploring Workflow Interoperability for Neuroimage Analysis on the SHIWA Platform. Journal of Grid Computing, 2013, 11, 505-522.	3.9	7
18	Blockchain as a Platform for Fog Computing. Lecture Notes in Computer Science, 2019, , 596-605.	1.3	7

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19	Scientific Workflow Management -- For Whom?. , 2014, , .		6
20	Staccato: shared-memory work-stealing task scheduler with cache-aware memory management. International Journal of Web and Grid Services, 2019, 15, 394.	0.5	6
21	Understanding workflows for distributed computing. , 2013, , .		5
22	Distributed Collaboration Based on Mobile Infrastructure. Lecture Notes in Computer Science, 2015, , 354-368.	1.3	5
23	Development of M-Health Software for People with Disabilities. Lecture Notes in Computer Science, 2016, , 468-479.	1.3	5
24	Factory: Non-stop batch jobs without checkpointing. , 2016, , .		5
25	Blockchain Network Threats: The Case of PoW and Ethereum. Lecture Notes in Computer Science, 2019, , 606-617.	1.3	5
26	Implementation of the Cross-Blockchain Interacting Protocol. Lecture Notes in Computer Science, 2021, , 42-55.	1.3	5
27	Benchmarking and Adaptive Load Balancing of the Virtual Reactor Application on the Russian-Dutch Grid. Lecture Notes in Computer Science, 2006, , 530-538.	1.3	5
28	Boosting HPC Applications in the Cloud Through JIT Traffic-Aware Path Provisioning. Lecture Notes in Computer Science, 2019, , 702-716.	1.3	5
29	Building DeFi Applications Using Cross-Blockchain Interaction on the Wish Swap Platform. Computers, 2022, 11, 99.	3.3	5
30	Network Resource Control for Grid Workflow Management Systems. , 2010, , .		4
31	Flexible Configuration of Application-Centric Virtualized Computing Infrastructure. Lecture Notes in Computer Science, 2015, , 342-353.	1.3	4
32	New Approach to the Simulation of Complex Systems. EPJ Web of Conferences, 2016, 108, 01002.	0.3	4
33	Desktop supercomputer: what can it do?. Physics of Particles and Nuclei Letters, 2017, 14, 985-992.	0.4	4
34	Fair Resource Allocation for Running HPC Workloads Simultaneously. Lecture Notes in Computer Science, 2019, , 740-751.	1.3	4
35	A Concept of Unified E-Health Platform for Patient Communication and Monitoring. Lecture Notes in Computer Science, 2017, , 448-462.	1.3	4
36	Evaluation of Tools for Analyzing Smart Contracts in Distributed Ledger Technologies. Lecture Notes in Computer Science, 2019, , 522-536.	1.3	4

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37	Evaluating the VLAM-G toolkit on the DAS-2. Future Generation Computer Systems, 2003, 19, 815-824.	7.5	3
38	Virtual Accelerator: Distributed Environment for Modeling Beam Accelerator Control System. , 2013, , .		3
39	Novel Approaches for Distributing Workload on Commodity Computer Systems. Lecture Notes in Computer Science, 2015, , 259-271.	1.3	3
40	Factory: Master Node High-Availability for Big Data Applications and Beyond. Lecture Notes in Computer Science, 2016, , 379-389.	1.3	3
41	Building a Virtual Cluster for 3D Graphics Applications. Lecture Notes in Computer Science, 2016, , 276-291.	1.3	3
42	Application Porting Optimization on Heterogeneous Systems. Lecture Notes in Computer Science, 2018, , 25-40.	1.3	3
43	Light-Weight Cloud-Based Virtual Computing Infrastructure for Distributed Applications and Hadoop Clusters. Lecture Notes in Computer Science, 2017, , 399-411.	1.3	3
44	Data Decomposition in Biomedical e-Science Applications. , 2011, , .		2
45	Teambrainer: Network-based collaborative mobile system. , 2016, , .		2
46	Subordination: Providing Resilience to Simultaneous Failure of Multiple Cluster Nodes. , 2017, , .		2
47	Staccato: Cache-Aware Work-Stealing Task Scheduler for Shared-Memory Systems. Lecture Notes in Computer Science, 2018, , 91-102.	1.3	2
48	Simulation of Distributed Applications Based on Containerization Technology. Lecture Notes in Computer Science, 2019, , 587-595.	1.3	2
49	Industrial Fisheye Image Segmentation Using Neural Networks. Lecture Notes in Computer Science, 2019, , 678-690.	1.3	2
50	Evaluation of the Neo P2P Blockchain Network Protocol Efficiency. Lecture Notes in Computer Science, 2021, , 56-71.	1.3	2
51	Virtual Testbed: Concept and Applications. Lecture Notes in Computer Science, 2020, , 3-17.	1.3	2
52	Collecting HPC Applications Processing Characteristics to Facilitate Co-scheduling. Lecture Notes in Computer Science, 2020, , 168-182.	1.3	2
53	Middleware for big data processing: test results. Physics of Particles and Nuclei Letters, 2017, 14, 1001-1007.	0.4	2
54	Support for Cooperative Experiments in e-Science: From Scientific Workflows to Knowledge Sharing. Focus on Structural Biology, 2013, , 135-159.	0.1	2

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55	Design and Implementation of a Service for Cloud HPC Computations. Lecture Notes in Computer Science, 2018, , 103-112.	1.3	2
56	Methods of Formal Software Verification in the Context of Distributed Systems. Lecture Notes in Computer Science, 2019, , 546-555.	1.3	2
57	VL-E: Approaches to Design a Grid-Based Virtual Laboratory. , 2005, , 21-28.		2
58	EFFICIENT GOSSIP-BASED PROTOCOL IN THE NEO BLOCKCHAIN NETWORK. , 0, , .		2
59	Workflow as a service. , 2012, , .		1
60	Analyzing and Modeling of Medical Data on Distributed Computing Infrastructures. , 2014, , .		1
61	Protection of Personal Data Using Anonymization. Lecture Notes in Computer Science, 2021, , 447-459.	1.3	1
62	Analytical and Numerical Evaluation of Co-Scheduling Strategies and Their Application. Computers, 2021, 10, 122.	3.3	1
63	Computational Environment for Numerical Modeling of the Results of Cloud Seeding. Lecture Notes in Computer Science, 2016, , 454-462.	1.3	1
64	Architecture of a Smart Container Using Blockchain Technology. Lecture Notes in Computer Science, 2019, , 537-545.	1.3	1
65	Performance of the Secret Electronic Voting Scheme Using Hyperledger Fabric Permissioned Blockchain. Lecture Notes in Computer Science, 2020, , 25-36.	1.3	1
66	Evolving Principles of Big Data Virtualization. Lecture Notes in Computer Science, 2020, , 67-81.	1.3	1
67	SHIWA workflow interoperability solutions for neuroimaging data analysis. Studies in Health Technology and Informatics, 2012, 175, 109-10.	0.3	1
68	PASSWORDLESS AUTHENTICATION USING MAGIC LINK TECHNOLOGY. , 0, , .		1
69	Efficient Asian option pricing with CUDA. , 2015, , .		0
70	Distributed Data Processing on Microcomputers with Ascheduler and Apache Spark. Lecture Notes in Computer Science, 2017, , 387-398.	1.3	0
71	Creating Artificial Intelligence Solutions in E-Health Infrastructure to Support Disabled People. Lecture Notes in Computer Science, 2018, , 41-50.	1.3	0
72	Analytical Comparison of DLT Platforms Activity. Lecture Notes in Computer Science, 2019, , 556-566.	1.3	0

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73	Electronic Expertise Using Distributed Ledger Technology. Lecture Notes in Computer Science, 2019, , 567-576.	1.3	0
74	Testing and Comparative Analysis of the F-BFT-based DLT Solution. Lecture Notes in Computer Science, 2021, , 31-41.	1.3	0
75	Harnessing Cloud Computing to Power Up HPC Applications: The BRICS CloudHPC Project. Lecture Notes in Computer Science, 2021, , 336-349.	1.3	0
76	Acceleration of Computing and Visualization Processes with OpenCL for Standing Sea Wave Simulation Model. Lecture Notes in Computer Science, 2017, , 505-518.	1.3	0
77	Staccato: shared-memory work-stealing task scheduler with cache-aware memory management. International Journal of Web and Grid Services, 2019, 15, 394.	0.5	0
78	The contour image style-transfer-based convolutional neural network. , 2019, , .		0
79	KLT Bin Detection and Pose Estimation in an Industrial Environment. Lecture Notes in Computer Science, 2020, , 105-118.	1.3	0
80	Janus: a framework to boost HPC applications in the cloud based on SDN path provisioning. Cluster Computing, 0, , 1.	5.0	0
81	HPC WORKLOAD BALANCING ALGORITHM FOR CO- SCHEDULING ENVIRONMENTS. , 0, , .		0
82	COMPARATIVE ANALYSIS AND APPLICABILITY DETERMINATION FOR SEVERAL DLT SOLUTIONS. , 0, , .		0
83	SOLVING THE PROBLEMS OF BYZANTINE GENERALS USING BLOCKCHAIN TECHNOLOGY. , 0, , .		0
84	SQL QUERY EXECUTION OPTIMIZATION ON SPARK SQL. , 0, , .		0