Vladimir Korkhov

List of Publications by Citations

76 papers	390 citations	11 h-index	16 g-index
87 ext. papers	436 ext. citations	1.4 avg, IF	3.56 L-index

#	Paper	IF	Citations
76	Collaborative e-Science Experiments and Scientific Workflows. *IEEE Internet Computing*, **2011**, 15, 39-47	2.4	39
75	Dynamic workload balancing of parallel applications with user-level scheduling on the Grid. *Future Generation Computer Systems*, **2009**, 25, 28-34	7.5	35
74	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	2.1	23
73	A Grid-based Virtual Reactor: Parallel performance and adaptive load balancing. *Journal of Parallel and Distributed Computing*, **2008**, 68, 596-608	4.4	18
72	WS-VLAM **2007**,		18
71	Constructing Virtual Private Supercomputer Using Virtualization and Cloud Technologies. *Lecture Notes in Computer Science*, **2014**, 341-354	0.9	17
70	Virtual private supercomputer: Design and evaluation **2013**,		15
69	VLAM-G: a grid-based virtual laboratory. *Future Generation Computer Systems*, **2003**, 19, 209-217	7.5	15
68	Using Technologies of OLAP and Machine Learning for Validation of the Numerical Models of Convective Clouds. *Lecture Notes in Computer Science*, **2016**, 463-472	0.9	15
67	. *IEEE Systems Journal*, **2009**, 3, 121-130	4.3	14
66	VLAM-G: Interactive Data Driven Workflow Engine for Grid-Enabled Resources. *Scientific Programming*, **2007**, 15, 173-188	1.4	14
65	Implementation of an E-Voting Scheme Using Hyperledger Fabric Permissioned Blockchain. *Lecture Notes in Computer Science*, **2019**, 509-521	0.9	10
64	Exploring workflow interoperability tools for neuroimaging data analysis **2011**,		10
63	Software architectures to integrate workflow engines in science gateways. *Future Generation Computer Systems*, **2017**, 75, 239-255	7.5	9
62	WS-VLAM: A GT4 Based Workflow Management System. *Lecture Notes in Computer Science*, **2007**, 191-198	0.9	9
61	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	0.3	8
60	Exploring Workflow Interoperability for Neuroimage Analysis on the SHIWA Platform. *Journal of Grid Computing*, **2013**, 11, 505-522	4.2	7

59	Development of M-Health Software for People with Disabilities. *Lecture Notes in Computer Science*, **2016**, 468-479	0.9	5
58	Factory: Non-stop batch jobs without checkpointing **2016**,		5
57	Distributed Collaboration Based on Mobile Infrastructure. *Lecture Notes in Computer Science*, **2015**, 354-368	0.9	4
56	Flexible Configuration of Application-Centric Virtualized Computing Infrastructure. *Lecture Notes in Computer Science*, **2015**, 342-353	0.9	4
55	Desktop supercomputer: what can it do?. *Physics of Particles and Nuclei Letters*, **2017**, 14, 985-992	0.5	4
54	Understanding workflows for distributed computing **2013**,		4
53	Network Resource Control for Grid Workflow Management Systems **2010**,		4
52	Boosting HPC Applications in the Cloud Through JIT Traffic-Aware Path Provisioning. *Lecture Notes in Computer Science*, **2019**, 702-716	0.9	4
51	New Approach to the Simulation of Complex Systems. *EPJ Web of Conferences*, **2016**, 108, 01002	0.3	4
50	Staccato: shared-memory work-stealing task scheduler with cache-aware memory management. *International Journal of Web and Grid Services*, **2019**, 15, 394	1.4	4
49	Benchmarking and Adaptive Load Balancing of the Virtual Reactor Application on the Russian-Dutch Grid. *Lecture Notes in Computer Science*, **2006**, 530-538	0.9	4
48	Novel Approaches for Distributing Workload on Commodity Computer Systems. *Lecture Notes in Computer Science*, **2015**, 259-271	0.9	3
47	Blockchain as a Platform for Fog Computing. *Lecture Notes in Computer Science*, **2019**, 596-605	0.9	3
46	Scientific Workflow Management -- For Whom? **2014**,		3
45	Evaluation of Tools for Analyzing Smart Contracts in Distributed Ledger Technologies. *Lecture Notes in Computer Science*, **2019**, 522-536	0.9	3
44	Fair Resource Allocation for Running HPC Workloads Simultaneously. *Lecture Notes in Computer Science*, **2019**, 740-751	0.9	3
43	Light-Weight Cloud-Based Virtual Computing Infrastructure for Distributed Applications and Hadoop Clusters. *Lecture Notes in Computer Science*, **2017**, 399-411	0.9	3
42	Distributed Computing Infrastructure Based on Dynamic Container Clusters. *Lecture Notes in Computer Science*, **2016**, 263-275	0.9	3

41	Building a Virtual Cluster for 3D Graphics Applications. *Lecture Notes in Computer Science*, **2016**, 276-291	0.9	3
40	Implementation of the Cross-Blockchain Interacting Protocol. *Lecture Notes in Computer Science*, **2021**, 42-55	0.9	3
39	Application Porting Optimization on Heterogeneous Systems. *Lecture Notes in Computer Science*, **2018**, 25-40	0.9	2
38	Staccato: Cache-Aware Work-Stealing Task Scheduler for Shared-Memory Systems. *Lecture Notes in Computer Science*, **2018**, 91-102	0.9	2
37	Simulation of Distributed Applications Based on Containerization Technology. *Lecture Notes in Computer Science*, **2019**, 587-595	0.9	2
36	Blockchain Network Threats: The Case of PoW and Ethereum. *Lecture Notes in Computer Science*, **2019**, 606-617	0.9	2
35	Virtual Accelerator: Distributed Environment for Modeling Beam Accelerator Control System **2013**,		2
34	Subordination: Providing Resilience to Simultaneous Failure of Multiple Cluster Nodes **2017**,		2
33	Data Decomposition in Biomedical e-Science Applications **2011**,		2
32	Evaluating the VLAM-G toolkit on the DAS-2. *Future Generation Computer Systems*, **2003**, 19, 815-824	7.5	2
31	Middleware for big data processing: test results. *Physics of Particles and Nuclei Letters*, **2017**, 14, 1001-1007	0.5	2
30	Design and Implementation of a Service for Cloud HPC Computations. *Lecture Notes in Computer Science*, **2018**, 103-112	0.9	2
29	Virtual Testbed: Concept and Applications. *Lecture Notes in Computer Science*, **2020**, 3-17	0.9	2
28	Collecting HPC Applications Processing Characteristics to Facilitate Co-scheduling. *Lecture Notes in Computer Science*, **2020**, 168-182	0.9	2
27	A Concept of Unified E-Health Platform for Patient Communication and Monitoring. *Lecture Notes in Computer Science*, **2017**, 448-462	0.9	2
26	Factory: Master Node High-Availability for Big Data Applications and Beyond. *Lecture Notes in Computer Science*, **2016**, 379-389	0.9	2
25	Industrial Fisheye Image Segmentation Using Neural Networks. *Lecture Notes in Computer Science*, **2019**, 678-690	0.9	1
24	Workflow as a service **2012**,		1

23	Data Storage, Processing and Analysis System to Support Brain Research. *Lecture Notes in Computer Science*, **2018**, 78-90	0.9	1
22	Architecture of a Smart Container Using Blockchain Technology. *Lecture Notes in Computer Science*, **2019**, 537-545	0.9	1
21	Methods of Formal Software Verification in the Context of Distributed Systems. *Lecture Notes in Computer Science*, **2019**, 546-555	0.9	1
20	Computational Environment for Numerical Modeling of the Results of Cloud Seeding. *Lecture Notes in Computer Science*, **2016**, 454-462	0.9	1
19	Support for Cooperative Experiments in e-Science: From Scientific Workflows to Knowledge Sharing. *Focus on Structural Biology*, **2013**, 135-159		1
18	Teambrainer: Network-based collaborative mobile system **2016**,		1
17	An Analytical Bound for Choosing Trivial Strategies in Co-scheduling. *Lecture Notes in Computer Science*, **2021**, 381-395	0.9	1
16	Evaluation of the Neo P2P Blockchain Network Protocol Efficiency. *Lecture Notes in Computer Science*, **2021**, 56-71	0.9	1
15	SHIWA workflow interoperability solutions for neuroimaging data analysis. *Studies in Health Technology and Informatics*, **2012**, 175, 109-10	0.5	1
14	VL-E: Approaches to Design a Grid-Based Virtual Laboratory **2005**, 21-28		0
13	Performance of the Secret Electronic Voting Scheme Using Hyperledger Fabric Permissioned Blockchain. *Lecture Notes in Computer Science*, **2020**, 25-36	0.9	0
12	Analytical Comparison of DLT Platforms Activity. *Lecture Notes in Computer Science*, **2019**, 556-566	0.9	
11	Electronic Expertise Using Distributed Ledger Technology. *Lecture Notes in Computer Science*, **2019**, 567-576	0.9	
10	Distributed Data Processing on Microcomputers with Ascheduler and Apache Spark. *Lecture Notes in Computer Science*, **2017**, 387-398	0.9	
9	Evolving Principles of Big Data Virtualization. *Lecture Notes in Computer Science*, **2020**, 67-81	0.9	
8	Janus: a framework to boost HPC applications in the cloud based on SDN path provisioning. *Cluster Computing*,1	2.1	
7	Analytical and Numerical Evaluation of Co-Scheduling Strategies and Their Application. *Computers*, **2021**, 10, 122	1.9	
6	KLT Bin Detection and Pose Estimation in an Industrial Environment. *Lecture Notes in Computer Science*, **2020**, 105-118	0.9	

5	Acceleration of Computing and Visualization Processes with OpenCL for Standing Sea Wave Simulation Model. *Lecture Notes in Computer Science*, **2017**, 505-518	0.9
4	Testing and Comparative Analysis of the F-BFT-based DLT Solution. *Lecture Notes in Computer Science*, **2021**, 31-41	0.9
3	Harnessing Cloud Computing to Power Up HPC Applications: The BRICS CloudHPC Project. *Lecture Notes in Computer Science*, **2021**, 336-349	0.9
2	Creating Artificial Intelligence Solutions in E-Health Infrastructure to Support Disabled People. *Lecture Notes in Computer Science*, **2018**, 41-50	0.9
1	Protection of Personal Data Using Anonymization. *Lecture Notes in Computer Science*, **2021**, 447-459	0.9