Alexander B Degtyarev

List of Publications by Year
in descending order

50	179	1937685 4	1372567 10
papers	citations	h-index	g-index

53	53	53	74
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computational Model of Unsteady Hydromechanics of Large Amplitude Gerstner Waves. EPJ Web of Conferences, 2020, 226, 02009.	0.3	1
2	Virtual Testbed: Concept and Applications. Lecture Notes in Computer Science, 2020, , 3-17.	1.3	2
3	Virtual Testbed: Simulation of Air Flow Around Ship Hull and Its Effect on Ship Motions. Lecture Notes in Computer Science, 2020, , 18-28.	1.3	3
4	Evolving Principles of Big Data Virtualization. Lecture Notes in Computer Science, 2020, , 67-81.	1.3	1
5	Virtual Testbed: Simulation of Ocean Wave Reflection from the Ship Hull. Lecture Notes in Computer Science, 2020, , 29-39.	1.3	2
6	Modeling of Incident Waves Near the Shipâ€™s Hull (Application of Autoregressive Approach in Problems) Tj ETQq0 0 0 rgBT /Overlock	0.2	1
7	Evaluation of Hydrodynamic Pressures for Autoregressive Model of Irregular Waves. Fluid Mechanics and Its Applications, 2019, , 37-47.	0.2	1
8	Application of parallel algorithm optimisation method to relational queries by reducing interprocessor data exchange time. International Journal of Web and Grid Services, 2019, 15, 191.	0.5	0
9	Vessel: Efficient Plain Text File Format for Ship Hull Geometry. Lecture Notes in Computer Science, 2019, , 729-739.	1.3	0
10	Virtual Testbed: Ship Motion Simulation for Personal Workstations. Lecture Notes in Computer Science, 2019, , 717-728.	1.3	1
11	Simulation of Standing and Propagating Sea Waves with Three-Dimensional ARMA Model. Springer Oceanography, 2018, , 249-278.	0.3	4
12	Interpolation Environment of Tensor Mathematics at the Corpuscular Stage of Computational Experiments in Hydromechanics. EPJ Web of Conferences, 2018, 173, 02004.	0.3	0
13	Reconstruction of Stone Walls in Form of Polygonal Meshes from Archaeological Studies. Lecture Notes in Computer Science, 2018, , 136-148.	1.3	3
14	The Construction of the Parallel Algorithm Execution Schedule Taking into Account the Interprocessor Data Transfer. Lecture Notes in Computer Science, 2018, , 61-77.	1.3	0
15	Influence of External Source on KPI Equation. Lecture Notes in Computer Science, 2018, , 123-135.	1.3	3
16	Tensor methodology and computational geometry in direct computational experiments in fluid mechanics. AIP Conference Proceedings, 2017, , .	0.4	3
17	Optimization of relational databases schemas by means of n-tuple algebra. AIP Conference Proceedings, 2017, , .	0.4	1
18	Desktop supercomputer: what can it do?. Physics of Particles and Nuclei Letters, 2017, 14, 985-992.	0.4	4

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19	Application of Multi-core Architecture to the MPDRoot Package for the Task ToF Events Reconstruction. Lecture Notes in Computer Science, 2017, , 428-437.	1.3	1
20	Analog-Digital Approach in Human Brain Modeling. , 2017, , .		6
21	Direct computational experiments in fluid mechanics using three-dimensional tensor mathematics. , 2017, , .		0
22	Problem-Solving Environment for Beam Dynamics Analysis in Particle Accelerators. Lecture Notes in Computer Science, 2017, , 473-482.	1.3	4
23	Middleware for big data processing: test results. Physics of Particles and Nuclei Letters, 2017, 14, 1001-1007.	0.4	2
24	Information graph-based creation of parallel que-ries for databases. International Journal of Business Intelligence and Data Mining, 2017, 1, 1.	0.2	1
25	Light-Weight Cloud-Based Virtual Computing Infrastructure for Distributed Applications and Hadoop Clusters. Lecture Notes in Computer Science, 2017, , 399-411.	1.3	3
26	Collaboration and decision making tools for mobile groups. Physics of Particles and Nuclei Letters, 2017, 14, 981-984.	0.4	0
27	Coordinate Systems, Numerical Objects and Algorithmic Operations of Computational Experiment in Fluid Mechanics. EPJ Web of Conferences, 2016, 108, 02018.	0.3	3
28	Factory: Master Node High-Availability for Big Data Applications and Beyond. Lecture Notes in Computer Science, 2016, , 379-389.	1.3	3
29	Simulation of Space Charge Dynamics in High Intensive Beams on Hybrid Systems. Lecture Notes in Computer Science, 2016, , 284-295.	1.3	5
30	Application of Optimization of Parallel Algorithms to Queries in Relational Databases. Lecture Notes in Computer Science, 2016, , 366-378.	1.3	4
31	New Approach to the Simulation of Complex Systems. EPJ Web of Conferences, 2016, 108, 01002.	0.3	4
32	Balancing Load on a Multiprocessor System with Event-Driven Approach. Lecture Notes in Computer Science, 2016, , 35-52.	1.3	1
33	Novel Approaches for Distributing Workload on Commodity Computer Systems. Lecture Notes in Computer Science, 2015, , 259-271.	1.3	3
34	Hydrodynamic pressure computation under real sea surface on basis of autoregressive model of irregular waves. Physics of Particles and Nuclei Letters, 2015, 12, 389-391.	0.4	4
35	Constructing Virtual Private Supercomputer Using Virtualization and Cloud Technologies. Lecture Notes in Computer Science, 2014, , 341-354.	1.3	18
36	Virtual private supercomputer: Design and evaluation. , 2013, , .		15

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37	New Approach to Wave Weather Scenarios Modeling. Fluid Mechanics and Its Applications, 2011, , 599-617.	0.2	1
38	Agent system service for supporting river boats navigation. Procedia Computer Science, 2010, 1, 2717-2722.	2.0	4
39	Simplified Shadow Volumes using Silhouette Level-of-Detail. , 2007, , .		0
40	Example of a Potential Grid technology Application in Shipbuilding. , 2007, , .		4
41	Mechanising first-order temporal resolution. Information and Computation, 2005, 199, 55-86.	0.7	26
42	The Spectral Wave Climate in the Barents Sea. , 2002, , 283.		7
43	Fuzzy Logic Basis in High Performance Decision Support Systems. Lecture Notes in Computer Science, 2001, , 965-975.	1.3	2
44	Probabilistic qualities of nonlinear stochastic rolling. Ocean Engineering, 1998, 25, 1-25.	4.3	18
45	DEVELOPMENT OF THE EVENT METADATA SYSTEM FOR THE NICA EXPERIMENTS. , 0, , .		1
46	DIRECT COMPUTATIONAL EXPERIMENT IN STORM HYDRODYNAMICS OF MARINE OBJECTS. , 0, , .		0
47	RISK MODEL OF APPLICATION OF LIFTING METHODS. , 0, , .		1
48	SOLVING THE PROBLEMS OF BYZANTINE GENERALS USING BLOCKCHAIN TECHNOLOGY. , 0, , .		0
49	A VIRTUAL TESTBED FOR OPTIMIZING THE PERFORMANCE OF A NEW TYPE OF ACCELERATORS. , 0, , .		0
50	INCREASING THE ACCURACY OF THE DIAGNOSIS OF MENTAL DISORDERS BASED ON HETEROGENEOUS DISTRIBUTED DATA. , 0, , .		0