Marian Bubak

List of Publications by Year
in descending order

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86	927	567281	580821
papers	citations	15 h-index	25 g-index

94	94	94	679
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perspectives on grid computing. Future Generation Computer Systems, 2010, 26, 1104-1115.	7.5	71
2	From molecule to man: Decision support in individualized E-health. Computer, 2006, 39, 40-46.	1.1	50
3	Collaborative e-Science Experiments and Scientific Workflows. IEEE Internet Computing, 2011, 15, 39-47.	3.3	46
4	The UrbanFlood Common Information Space for Early Warning Systems. Procedia Computer Science, 2011, 4, 96-105.	2.0	46
5	PRIMAGE project: predictive in silico multiscale analytics to support childhood cancer personalised evaluation empowered by imaging biomarkers. European Radiology Experimental, 2020, 4, 22.	3.4	41
6	Workflow composer and service registry for grid applications. Future Generation Computer Systems, 2005, 21, 79-86.	7.5	39
7	Exploratory programming in the virtual laboratory. , 2010, , .		28
8	Component Approach to Computational Applications on Clouds. Procedia Computer Science, 2011, 4, 432-441.	2.0	28
9	Real-time Grid monitoring based on complex event processing. Future Generation Computer Systems, 2011, 27, 1103-1112.	7.5	28
10	A Framework for HLA-Based Interactive Simulations on the Grid. Simulation, 2005, 81, 67-76.	1.8	26
11	A Distributed Multiscale Computation of a Tightly Coupled Model Using the Multiscale Modeling Language. Procedia Computer Science, 2012, 9, 596-605.	2.0	24
12	Distributed Computing on an Ensemble of Browsers. IEEE Internet Computing, 2013, 17, 54-61.	3.3	24
13	How to Use Google App Engine for Free Computing. IEEE Internet Computing, 2013, 17, 50-59.	3.3	24
14	An Infrastructure for Grid Application Monitoring. Lecture Notes in Computer Science, 2002, , 41-49.	1.3	22
15	Semantic Composition of Scientific Workflows Based on the Petri Nets Formalism. , 2006, , .		18
16	Virtual Laboratory for Development and Execution of Biomedical Collaborative Applications. , 2008, , .		16
17	Special section on workflow systems and applications in e-Science. Future Generation Computer Systems, 2009, 25, 525-527.	7.5	16
18	An integrative approach to high-performance biomedical problem solving environments on the Grid. Parallel Computing, 2004, 30, 1037-1055.	2.1	15

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19	Invocation of operations from script-based Grid applications. Future Generation Computer Systems, 2010, 26, 138-146.	7.5	15
20	Holistic approach to management of IT infrastructure for environmental monitoring and decision support systems with urgent computing capabilities. Future Generation Computer Systems, 2018, 79, 128-143.	7.5	15
21	On-line OCM-Based Tool Support for Parallel Applications. , 2001, , 32-62.		15
22	Enabling Web Services to Consume and Produce Large Datasets. IEEE Internet Computing, 2012, 16, 52-60.	3.3	13
23	Component-based approach for programming and running scientific applications on grids and clouds. International Journal of High Performance Computing Applications, 2012, 26, 275-295.	3.7	12
24	Cloud computing infrastructure for the VPH community. Journal of Computational Science, 2018, 24, 169-179.	2.9	12
25	A Performance Analysis Tool for Interactive Applications on the Grid. International Journal of High Performance Computing Applications, 2004, 18, 305-316.	3.7	11
26	Applying workflow as a service paradigm to application farming. Concurrency Computation Practice and Experience, 2014, 26, 1297-1312.	2.2	11
27	Towards an operational database for real-time environmental monitoring and early warning systems. Procedia Computer Science, 2017, 108, 2250-2259.	2.0	11
28	Monitoring of distributed Java applications. Future Generation Computer Systems, 2003, 19, 651-663.	7.5	10
29	Grid Environment for On-line Application Monitoring and Performance Analysis. Scientific Programming, 2004, 12, 239-251.	0.7	10
30	Constructing Workflows from Script Applications. Scientific Programming, 2012, 20, 359-377.	0.7	10
31	Execution Management and Efficient Resource Provisioning for Flood Decision Support. Procedia Computer Science, 2015, 51, 2377-2386.	2.0	10
32	K-WfGrid Distributed Monitoring and Performance Analysis Services for Workflows in the Grid. , 2006, , .		8
33	A Development and Execution Environment for Early Warning Systems for Natural Disasters. , 2013, , .		8
34	Towards a Monitoring Interface Specification for Distributed Java Applications. Lecture Notes in Computer Science, 2002, , 315-322.	1.3	8
35	Semantic Integration for Research Environments. , 2009, , 514-530.		8
36	High-level application-specific performance analysis using the G-PM tool. Future Generation Computer Systems, 2008, 24, 121-132.	7.5	7

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37	Support for Multiscale Simulations with Molecular Dynamics. Procedia Computer Science, 2013, 18, 1116-1125.	2.0	7
38	Composing, execution and sharing of multiscale applications. Future Generation Computer Systems, 2015, 53, 77-87.	7.5	7
39	Smart levee monitoring and flood decision support system: reference architecture and urgent computing management. Procedia Computer Science, 2017, 108, 2220-2229.	2.0	7
40	An OMIS-based Approach to Monitoring Distributed Java Applications. , 2004, , 1-29.		7
41	A Cloud-Based Framework for Collaborative Data Management in the VPH-Share Project. , 2013, , .		6
42	Distributed Data Management Service for VPH Applications. IEEE Internet Computing, 2016, 20, 34-41.	3.3	6
43	Experimental Grid Access for Dynamic Discovery and Data Transfer in Distributed Interactive Simulation Systems. Lecture Notes in Computer Science, 2003, , 284-292.	1.3	6
44	Regular Paper: Interactive N-Body Simulations On the Grid: HLA Versus MPI. International Journal of High Performance Computing Applications, 2007, 21, 210-221.	3.7	5
45	Support for Taverna workflows in the VPH-Share cloud platform. Computer Methods and Programs in Biomedicine, 2017, 146, 37-46.	4.7	5
46	Towards Portable Runtime Support for Irregular and Out-of-Core Computations. Lecture Notes in Computer Science, 1999, , 59-66.	1.3	5
47	A Lightweight Approach for Deployment of Scientific Workflows in Cloud Infrastructures. Lecture Notes in Computer Science, 2016, , 281-290.	1.3	5
48	Implementation of Service Level Management in PL-Grid Infrastructure. Lecture Notes in Computer Science, 2012, , 171-181.	1.3	5
49	<scp>OIntEd</scp>: online ontology instance editor enabling a new approach to ontology development. Software - Practice and Experience, 2013, 43, 1319-1335.	3.6	4
50	MapReduce Operations with WS-VLAM Workflow Management System. Procedia Computer Science, 2013, 18, 2599-2602.	2.0	4
51	A Versatile Support for Binding Native Code to Java. Lecture Notes in Computer Science, 2000, , 373-384.	1.3	4
52	Virtual Laboratory for Collaborative Applications. , 2009, , 531-551.		4
53	Towards Exascale Computing Architecture and Its Prototype: Services and Infrastructure. Computing and Informatics, 2020, 39, 860-880.	0.7	4
54	Problem Solving Environment for Distributed Interactive Applications. , 2008, , 55-66.		4

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55	Convenient use of legacy software in Java with Janet package. Future Generation Computer Systems, 2001, 17, 987-997.	7.5	3
56	Dynamic Handling for Cooperating Scientific Web Services. , 2011, , .		3
57	Towards a data processing plane: An automata-based distributed dynamic data processing model. Future Generation Computer Systems, 2016, 59, 21-32.	7.5	3
58	Domain-Driven Visual Query Formulation over RDF Data Sets. Lecture Notes in Computer Science, 2014, , 293-301.	1.3	3
59	Towards Distributed Petascale Computing. Chapman & Hall/CRC Computational Science, 2007, , 147-164.	0.5	3
60	Cloud Data Federation for Scientific Applications. Lecture Notes in Computer Science, 2014, , 13-22.	1.3	3
61	A monitoring system for multithreaded applications. Future Generation Computer Systems, 2003, 19, 641-650.	7.5	2
62	Comparison of Cloud and Local HPC Approach for MUSCLE-based Multiscale Simulations. , 2011, , .		2
63	A Secure and Flexible Data Infrastructure for the VPH-Share Community. , 2013, , .		2
64	Using Akka Actors for Managing Iterations in Multiscale Applications. Lecture Notes in Computer Science, 2016, , 332-341.	1.3	2
65	Enabling Multiscale Fusion Simulations on Distributed Computing Resources. Lecture Notes in Computer Science, 2014, , 195-210.	1.3	2
66	Towards Provisioning of Reproducible, Reviewable and Reusable In-Silico Experiments with the GridSpace2 Platform. Lecture Notes in Computer Science, 2014, , 118-129.	1.3	2
67	Scripting Language Extensions Offered by the GridSpace Experiment Platform. Lecture Notes in Computer Science, 2012, , 217-227.	1.3	2
68	Towards Distributed Monitoring and Performance Analysis Services in the K-WfGrid Project. Lecture Notes in Computer Science, 2006, , 156-163.	1.3	2
69	A Grid Service for Management of Multiple HLA Federate Processes. Lecture Notes in Computer Science, 2006, , 699-706.	1.3	2
70	Portable Library of Migratable Sockets. Scientific Programming, 2001, 9, 211-222.	0.7	1
71	Towards User-Defined Performance Monitoring of Distributed Java Applications. , 2006, , .		1
72	Providing security for MOCCA component environment. , 2009, , .		1

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73	Beyond Scientific Workflows: Networked Open Processes. , 2013, , .		1
74	Cookery: A framework for developing cloud applications. , 2015, , .		1
75	Provenance Tracking and End-User Oriented Query Construction. , 2009, , 60-75.		1
76	On-Line Monitoring of Service-Level Agreements in the Grid. Lecture Notes in Computer Science, 2012, , 76-85.	1.3	1
77	Grid Support for HLA-Based Collaborative Environment for Vascular Reconstruction. , 2006, , .		0
78	Grid-Based Interactive Decision Support in Biomedicine. , 0, , 225-246.		0
79	An Ontology Model for Execution Records of Grid Scientific Applications. , 2008, , .		0
80	The Collage Authoring Environment: From Proof-of-Concept Prototype to Pilot Service. Procedia Computer Science, 2013, 18, 769-778.	2.0	0
81	Data and process abstractions for cloud computing. , 2015, , .		0
82	Dedicated IT infrastructure for Smart Levee Monitoring and Flood Decision Support. E3S Web of Conferences, 2016, 7, 14008.	0.5	0
83	A Runtime Support for Large-Scale Irregular Computing on Clusters and Grids. , 2003, , 30-64.		0
84	Performance monitoring of GRID superscalar with OCM-G/G-PM: improvements. , 2008, , 273-283.		0
85	On-Line Grid Monitoring Based on Distributed Query Processing. Lecture Notes in Computer Science, 2012, , 131-140.	1.3	0
86	Support for Scientific Workflows in a Model-Based Cloud Platform. , 2015, , .		0