

Marian Bubak

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

927
citations

567281

15
h-index

580821

25
g-index

94
all docs

94
docs citations

94
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	PRIMAGE project: predictive in silico multiscale analytics to support childhood cancer personalised evaluation empowered by imaging biomarkers. <i>European Radiology Experimental</i> , 2020, 4, 22.	3.4	41
2	Towards Exascale Computing Architecture and Its Prototype: Services and Infrastructure. <i>Computing and Informatics</i> , 2020, 39, 860-880.	0.7	4
3	Holistic approach to management of IT infrastructure for environmental monitoring and decision support systems with urgent computing capabilities. <i>Future Generation Computer Systems</i> , 2018, 79, 128-143.	7.5	15
4	Cloud computing infrastructure for the VPH community. <i>Journal of Computational Science</i> , 2018, 24, 169-179.	2.9	12
5	Smart levee monitoring and flood decision support system: reference architecture and urgent computing management. <i>Procedia Computer Science</i> , 2017, 108, 2220-2229.	2.0	7
6	Towards an operational database for real-time environmental monitoring and early warning systems. <i>Procedia Computer Science</i> , 2017, 108, 2250-2259.	2.0	11
7	Support for Taverna workflows in the VPH-Share cloud platform. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 146, 37-46.	4.7	5
8	Dedicated IT infrastructure for Smart Levee Monitoring and Flood Decision Support. <i>E3S Web of Conferences</i> , 2016, 7, 14008.	0.5	0
9	Using Akka Actors for Managing Iterations in Multiscale Applications. <i>Lecture Notes in Computer Science</i> , 2016, , 332-341.	1.3	2
10	Distributed Data Management Service for VPH Applications. <i>IEEE Internet Computing</i> , 2016, 20, 34-41.	3.3	6
11	Towards a data processing plane: An automata-based distributed dynamic data processing model. <i>Future Generation Computer Systems</i> , 2016, 59, 21-32.	7.5	3
12	A Lightweight Approach for Deployment of Scientific Workflows in Cloud Infrastructures. <i>Lecture Notes in Computer Science</i> , 2016, , 281-290.	1.3	5
13	Cookery: A framework for developing cloud applications. , 2015, , .		1
14	Data and process abstractions for cloud computing. , 2015, , .		0
15	Execution Management and Efficient Resource Provisioning for Flood Decision Support. <i>Procedia Computer Science</i> , 2015, 51, 2377-2386.	2.0	10
16	Composing, execution and sharing of multiscale applications. <i>Future Generation Computer Systems</i> , 2015, 53, 77-87.	7.5	7
17	Support for Scientific Workflows in a Model-Based Cloud Platform. , 2015, , .		0
18	Applying workflow as a service paradigm to application farming. <i>Concurrency Computation Practice and Experience</i> , 2014, 26, 1297-1312.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Enabling Multiscale Fusion Simulations on Distributed Computing Resources. Lecture Notes in Computer Science, 2014, , 195-210.	1.3	2
20	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
21	Domain-Driven Visual Query Formulation over RDF Data Sets. Lecture Notes in Computer Science, 2014, , 293-301.	1.3	3
22	Cloud Data Federation for Scientific Applications. Lecture Notes in Computer Science, 2014, , 13-22.	1.3	3
23	<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
24	A Cloud-Based Framework for Collaborative Data Management in the VPH-Share Project. , 2013, , .		6
25	MapReduce Operations with WS-VLAM Workflow Management System. Procedia Computer Science, 2013, 18, 2599-2602.	2.0	4
26	Beyond Scientific Workflows: Networked Open Processes. , 2013, , .		1
27	A Secure and Flexible Data Infrastructure for the VPH-Share Community. , 2013, , .		2
28	Distributed Computing on an Ensemble of Browsers. IEEE Internet Computing, 2013, 17, 54-61.	3.3	24
29	Support for Multiscale Simulations with Molecular Dynamics. Procedia Computer Science, 2013, 18, 1116-1125.	2.0	7
30	The Collage Authoring Environment: From Proof-of-Concept Prototype to Pilot Service. Procedia Computer Science, 2013, 18, 769-778.	2.0	0
31	How to Use Google App Engine for Free Computing. IEEE Internet Computing, 2013, 17, 50-59.	3.3	24
32	A Development and Execution Environment for Early Warning Systems for Natural Disasters. , 2013, , .		8
33	A Distributed Multiscale Computation of a Tightly Coupled Model Using the Multiscale Modeling Language. Procedia Computer Science, 2012, 9, 596-605.	2.0	24
34	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
35	Constructing Workflows from Script Applications. Scientific Programming, 2012, 20, 359-377.	0.7	10
36	Enabling Web Services to Consume and Produce Large Datasets. IEEE Internet Computing, 2012, 16, 52-60.	3.3	13

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37	Scripting Language Extensions Offered by the GridSpace Experiment Platform. Lecture Notes in Computer Science, 2012, , 217-227.	1.3	2
38	On-Line Grid Monitoring Based on Distributed Query Processing. Lecture Notes in Computer Science, 2012, , 131-140.	1.3	0
39	On-Line Monitoring of Service-Level Agreements in the Grid. Lecture Notes in Computer Science, 2012, , 76-85.	1.3	1
40	Implementation of Service Level Management in PL-Grid Infrastructure. Lecture Notes in Computer Science, 2012, , 171-181.	1.3	5
41	Comparison of Cloud and Local HPC Approach for MUSCLE-based Multiscale Simulations. , 2011, , .		2
42	Dynamic Handling for Cooperating Scientific Web Services. , 2011, , .		3
43	Collaborative e-Science Experiments and Scientific Workflows. IEEE Internet Computing, 2011, 15, 39-47.	3.3	46
44	Component Approach to Computational Applications on Clouds. Procedia Computer Science, 2011, 4, 432-441.	2.0	28
45	Real-time Grid monitoring based on complex event processing. Future Generation Computer Systems, 2011, 27, 1103-1112.	7.5	28
46	The UrbanFlood Common Information Space for Early Warning Systems. Procedia Computer Science, 2011, 4, 96-105.	2.0	46
47	Invocation of operations from script-based Grid applications. Future Generation Computer Systems, 2010, 26, 138-146.	7.5	15
48	Perspectives on grid computing. Future Generation Computer Systems, 2010, 26, 1104-1115.	7.5	71
49	Exploratory programming in the virtual laboratory. , 2010, , .		28
50	Providing security for MOCCA component environment. , 2009, , .		1
51	Special section on workflow systems and applications in e-Science. Future Generation Computer Systems, 2009, 25, 525-527.	7.5	16
52	Semantic Integration for Research Environments. , 2009, , 514-530.		8
53	Virtual Laboratory for Collaborative Applications. , 2009, , 531-551.		4
54	Provenance Tracking and End-User Oriented Query Construction. , 2009, , 60-75.		1

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55	High-level application-specific performance analysis using the G-PM tool. Future Generation Computer Systems, 2008, 24, 121-132.	7.5	7
56	Virtual Laboratory for Development and Execution of Biomedical Collaborative Applications. , 2008, , .		16
57	An Ontology Model for Execution Records of Grid Scientific Applications. , 2008, , .		0
58	Performance monitoring of GRID superscalar with OCM-G/G-PM: improvements. , 2008, , 273-283.		0
59	Problem Solving Environment for Distributed Interactive Applications. , 2008, , 55-66.		4
60	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
61	Towards Distributed Petascale Computing. Chapman & Hall/CRC Computational Science, 2007, , 147-164.	0.5	3
62	K-WfGrid Distributed Monitoring and Performance Analysis Services for Workflows in the Grid. , 2006, , .		8
63	Semantic Composition of Scientific Workflows Based on the Petri Nets Formalism. , 2006, , .		18
64	Towards User-Defined Performance Monitoring of Distributed Java Applications. , 2006, , .		1
65	Grid Support for HLA-Based Collaborative Environment for Vascular Reconstruction. , 2006, , .		0
66	From molecule to man: Decision support in individualized E-health. Computer, 2006, 39, 40-46.	1.1	50
67	Towards Distributed Monitoring and Performance Analysis Services in the K-WfGrid Project. Lecture Notes in Computer Science, 2006, , 156-163.	1.3	2
68	A Grid Service for Management of Multiple HLA Federate Processes. Lecture Notes in Computer Science, 2006, , 699-706.	1.3	2
69	Workflow composer and service registry for grid applications. Future Generation Computer Systems, 2005, 21, 79-86.	7.5	39
70	A Framework for HLA-Based Interactive Simulations on the Grid. Simulation, 2005, 81, 67-76.	1.8	26
71	Grid Environment for On-line Application Monitoring and Performance Analysis. Scientific Programming, 2004, 12, 239-251.	0.7	10
72	A Performance Analysis Tool for Interactive Applications on the Grid. International Journal of High Performance Computing Applications, 2004, 18, 305-316.	3.7	11

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73	An integrative approach to high-performance biomedical problem solving environments on the Grid. <i>Parallel Computing</i> , 2004, 30, 1037-1055.	2.1	15
74	An OMIS-based Approach to Monitoring Distributed Java Applications. , 2004, , 1-29.		7
75	A monitoring system for multithreaded applications. <i>Future Generation Computer Systems</i> , 2003, 19, 641-650.	7.5	2
76	Monitoring of distributed Java applications. <i>Future Generation Computer Systems</i> , 2003, 19, 651-663.	7.5	10
77	Experimental Grid Access for Dynamic Discovery and Data Transfer in Distributed Interactive Simulation Systems. <i>Lecture Notes in Computer Science</i> , 2003, , 284-292.	1.3	6
78	A Runtime Support for Large-Scale Irregular Computing on Clusters and Grids. , 2003, , 30-64.		0
79	An Infrastructure for Grid Application Monitoring. <i>Lecture Notes in Computer Science</i> , 2002, , 41-49.	1.3	22
80	Towards a Monitoring Interface Specification for Distributed Java Applications. <i>Lecture Notes in Computer Science</i> , 2002, , 315-322.	1.3	8
81	Portable Library of Migratable Sockets. <i>Scientific Programming</i> , 2001, 9, 211-222.	0.7	1
82	Convenient use of legacy software in Java with Janet package. <i>Future Generation Computer Systems</i> , 2001, 17, 987-997.	7.5	3
83	On-line OCM-Based Tool Support for Parallel Applications. , 2001, , 32-62.		15
84	A Versatile Support for Binding Native Code to Java. <i>Lecture Notes in Computer Science</i> , 2000, , 373-384.	1.3	4
85	Towards Portable Runtime Support for Irregular and Out-of-Core Computations. <i>Lecture Notes in Computer Science</i> , 1999, , 59-66.	1.3	5
86	Grid-Based Interactive Decision Support in Biomedicine. , 0, , 225-246.		0