Dimka Karastoyanova

List of Publications by Year
in descending order

86 papers	845 citations	687220 13 h-index	839398 18 g-index
91 all docs	91 docs citations	91 times ranked	520 citing authors

#	Article	IF	Citations
1	Camera model identification based on forensic traces extracted from homogeneous patches. Expert Systems With Applications, 2022, 206, 117769.	4.4	11
2	Editorial: Autonomous Health Monitoring and Assistance Systems With IoT. Frontiers in Robotics and AI, 2021, 8, 611352.	2.0	0
3	Fall Detection and Recognition from Egocentric Visual Data: A Case Study. Lecture Notes in Computer Science, 2021, , 431-443.	1.0	2
4	Autonomic Process Performance Improvement. , 2021, , .		2
5	Model-as-You-Go for Choreographies: Rewinding and Repeating Scientific Choreographies. IEEE Transactions on Services Computing, 2020, 13, 901-914.	3.2	10
6	Measuring the impact of blockchain on healthcare applications. , 2019, , .		2
7	Provenance Holder: Bringing Provenance, Reproducibility and Trust to Flexible Scientific Workflows and Choreographies. Lecture Notes in Business Information Processing, 2019, , 664-675.	0.8	2
8	Enhancing Business Process Flexibility by Flexible Batch Processing. Lecture Notes in Computer Science, 2018, , 426-444.	1.0	3
9	Towards Collaborative and Reproducible Scientific Experiments on Blockchain. Lecture Notes in Business Information Processing, 2018, , 144-149.	0.8	10
10	Enabling coupled multi-scale, multi-field experiments through choreographies of data-driven scientific simulations. Computing (Vienna/New York), 2016, 98, 439-467.	3.2	13
11	A Management Life Cycle for Data-Aware Service Choreographies. , 2016, , .		3
12	Performance and Cost Trade-Off in IaaS Environments: A Scientific Workflow Simulation Environment Case Study. Communications in Computer and Information Science, 2016, , 153-170.	0.4	2
13	Data-Aware Service Choreographies Through Transparent Data Exchange. Lecture Notes in Computer Science, 2016, , 357-364.	1.0	5
14	ChorSystem: A Message-Based System for the Life Cycle Management of Choreographies. Lecture Notes in Computer Science, 2016, , 503-521.	1.0	4
15	A Middleware-Centric Optimization Approach for the Automated Provisioning of Services in the Cloud. , 2015, , .		2
16	Enabling Reusable and Adaptive Modeling, Provisioning & Execution of BPEL Processes. , 2015, , .		4
17	Enabling the Extraction and Insertion of Reusable Choreography Fragments. , 2015, , .		1
18	Performance and Cost Evaluation for the Migration of a Scientific Workflow Infrastructure to the Cloud. , 2015, , .		5

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19	Rewinding and Repeating Scientific Choreographies. Lecture Notes in Computer Science, 2015, , 337-347.	1.0	4
20	A Model-Driven Approach for REST Compliant Services. , 2014, , .		17
21	Service Selection for On-Demand Provisioned Services. , 2014, , .		7
22	Service Composition for REST. , 2014, , .		11
23	CloudDSF â€" The Cloud Decision Support Framework for Application Migration. Lecture Notes in Computer Science, 2014, , 1-16.	1.0	10
24	Development and Evaluation of a Multi-tenant Service Middleware PaaS Solution. , 2014, , .		3
25	A Life Cycle for Coupled Multi-scale, Multi-field Experiments Realized through Choreographies. , 2014, , .		4
26	SCE^MT: A Multi-tenant Service Composition Engine. , 2014, , .		2
27	Replicability of Dynamically Provisioned Scientific Experiments. , 2014, , .		1
28	Migrating enterprise applications to the cloud: methodology and evaluation. International Journal of Big Data Intelligence, 2014, 1, 127.	0.4	15
29	Towards Modeling and Execution of Collective Adaptive Systems. Lecture Notes in Computer Science, 2014, , 69-81.	1.0	17
30	Approach and Refinement Strategies for Flexible Choreography Enactment. Lecture Notes in Computer Science, 2014, , 93-111.	1.0	4
31	Springer computing special issue: adaptation in service-oriented and Cloud Computing. Computing (Vienna/New York), 2013, 95, 449-451.	3.2	1
32	Decision Support for the Migration of the Application Database Layer to the Cloud. , 2013, , .		11
33	Towards Collaborative, Dynamic and Complex Systems (Short Paper). , 2013, , .		2
34	On-demand Provisioning of Infrastructure, Middleware and Services for Simulation Workflows. , 2013, , .		18
35	eScienceSWaT -- Towards an eScience Software Engineering Methodology. , 2013, , .		0
36	Model-as-you-go: An Approach for an Advanced Infrastructure for Scientific Workflows. Journal of Grid Computing, 2013, 11, 553-583.	2.5	22

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37	State propagation-based monitoring of business transactions. , 2012, , .		4
38	Research challenges on service technology foundations. , 2012, , .		2
39	Quality of data driven simulation workflows. , 2012, , .		4
40	Service-based integration of human users in workflow-driven scientific experiments. , 2012, , .		2
41	Flexible information design for business process visualizations. , 2012, , .		2
42	Research challenges on adaptive software and services in the future internet: towards an S-Cube research roadmap. , 2012, , .		6
43	Combining horizontal and vertical composition of services. Service Oriented Computing and Applications, 2012, 6, 117-130.	1.3	13
44	Towards Classification Criteria for Process Fragmentation Techniques. Lecture Notes in Business Information Processing, 2012, , 1-12.	0.8	12
45	Making Scientific Applications on the Grid Reliable Through Flexibility Approaches Borrowed from Service Compositions. , 2012, , 799-820.		0
46	On Analyzing Quality of Data Influences on Performance of Finite Elements Driven Computational Simulations. Lecture Notes in Computer Science, 2012, , 793-804.	1.0	1
47	A Novel Framework for Monitoring and Analyzing Quality of Data in Simulation Workflows. , 2011, , .		9
48	Third international workshop on principles of engineering service-oriented systems. , 2011, , .		0
49	Conventional Workflow Technology for Scientific Simulation. Computer Communications and Networks, 2011, , 323-352.	0.8	30
50	Fragmento: Advanced Process Fragment Library. , 2011, , 659-670.		15
51	Compensation of Adapted Service Orchestration Logic in BPELâ€™nâ€™Aspects. Lecture Notes in Computer Science, 2011, , 413-428.	1.0	9
52	Views on Scientific Workflows. Lecture Notes in Business Information Processing, 2011, , 321-335.	0.8	6
53	Using Services and Service Compositions to Enable the Distributed Execution of Legacy Simulation Applications. Lecture Notes in Computer Science, 2011, , 242-253.	1.0	15
54	Integrating Perfective and Corrective Adaptation of Service-based Applications. , 2011, , 137-169.		3

#	ARTICLE	IF	CITATIONS
55	Composite Process View Transformation. Lecture Notes in Business Information Processing, 2011, , 52-63.	0.8	0
56	Process space-based scientific workflow enactment. International Journal of Business Process Integration and Management, 2010, 5, 32.	0.2	17
57	Preventing SLA Violations in Service Compositions Using Aspect-Based Fragment Substitution. Lecture Notes in Computer Science, 2010, , 365-380.	1.0	17
58	Cross-organizational process monitoring based on service choreographies. , 2010, , .		34
59	Service Composition. Lecture Notes in Computer Science, 2010, , 55-84.	1.0	13
60	Adaptation of Service-Based Applications Based on Process Quality Factor Analysis. Lecture Notes in Computer Science, 2010, , 395-404.	1.0	20
61	Bridging the Gap between Business and Scientific Workflows: Humans in the Loop of Scientific Workflows. , 2010, , .		19
62	Combining horizontal and vertical composition of services. , 2010, , .		12
63	Making Scientific Applications on the Grid Reliable Through Flexibility Approaches Borrowed from Service Compositions. , 2010, , 635-656.		2
64	On Scientific Experiments and Flexible Service Compositions. Lecture Notes in Computer Science, 2010, , 175-194.	1.0	2
65	From Requirements to Executable Processes: A Literature Study. Lecture Notes in Business Information Processing, 2010, , 42-52.	0.8	1
66	Business Process Management. Lecture Notes in Computer Science, 2010, , 27-54.	1.0	2
67	On Visualizing and Modelling BPEL with BPMN. , 2009, , .		18
68	Optimal Stratification of Transactions. , 2009, , .		6
69	BPEL'n'Aspects: Adapting Service Orchestration Logic. , 2009, , .		45
70	Virtualizing Services and Resources with ProBus: The WS-Policy-Aware Service and Resource Bus. , 2009, , .		6
71	Composing services on the grid using BPEL4SWS. Multiagent and Grid Systems, 2009, 5, 287-309.	0.5	0
72	Pluggable Framework for Enabling the Execution of Extended BPEL Behavior. Lecture Notes in Computer Science, 2009, , 376-387.	1.0	9

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73	Business Grid: Combining Web Services and the Grid. Lecture Notes in Computer Science, 2009, , 136-151.	1.0	7
74	MC-Cube: Mastering Customizable Compliance in the Cloud. Lecture Notes in Computer Science, 2009, , 592-606.	1.0	2
75	Semantic Business Process Management. , 2009, , 299-317.		10
76	An Execution Engine for Semantic Business Processes. Lecture Notes in Computer Science, 2009, , 200-211.	1.0	4
77	A Model-Driven Approach to Implementing Coordination Protocols in BPEL. Lecture Notes in Business Information Processing, 2009, , 188-199.	0.8	1
78	Dynamic Message Routing Using Processes. Informatik Aktuell, 2009, , 117-128.	0.4	0
79	Semantic Business Process Management: Scaling Up the Management of Business Processes. , 2008, , .		42
80	Semantic Service Bus: Architecture and Implementation of a Next Generation Middleware. , 2007, , .		31
81	BPEL for Semantic Web Services (BPEL4SWS). Lecture Notes in Computer Science, 2007, , 179-188.	1.0	35
82	WSMO/X in the context of business processes: improvement recommendations. International Journal of Web Information Systems, 2007, 3, 89-103.	1.3	4
83	BPELlight. Lecture Notes in Computer Science, 2007, , 214-229.	1.0	25
84	Parameterized BPEL Processes: Concepts and Implementation. Lecture Notes in Computer Science, 2006, , 471-476.	1.0	23
85	A Procedure for Development and Execution of Process-Based Composite Web Services. Lecture Notes in Computer Science, 2004, , 593-594.	1.0	4
86	Process Fragment Libraries for Easier and Faster Development of Process-based Applications. Journal of Systems Integration, 0, 2, 39-55.	2.2	33