

Oliver Kopp

List of Publications by Year in descending order

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55
papers

1,292
citations

566801

15
h-index

525886

27
g-index

56
all docs

56
docs citations

56
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenTOSCA – A Runtime for TOSCA-Based Cloud Applications. Lecture Notes in Computer Science, 2013, , 692-695.	1.0	133
2	BPEL4Chor: Extending BPEL for Modeling Choreographies. , 2007, , .		126
3	TOSCA: Portable Automated Deployment and Management of Cloud Applications. , 2014, , 527-549.		125
4	Winery – A Modeling Tool for TOSCA-Based Cloud Applications. Lecture Notes in Computer Science, 2013, , 700-704.	1.0	81
5	Combining Declarative and Imperative Cloud Application Provisioning Based on TOSCA. , 2014, , .		67
6	Interacting services: From specification to execution. Data and Knowledge Engineering, 2009, 68, 946-972.	2.1	62
7	Streamlining DevOps automation for Cloud applications using TOSCA as standardized metamodel. Future Generation Computer Systems, 2016, 56, 317-332.	4.9	61
8	Extending BPMN for Wireless Sensor Networks. , 2013, , .		44
9	From event streams to process models and back: Challenges and opportunities. Information Systems, 2019, 81, 181-200.	2.4	43
10	Modeling Service Choreographies Using BPMN and BPEL4Chor. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2008, , 79-93.	0.2	35
11	BPMN4TOSCA: A Domain-Specific Language to Model Management Plans for Composite Applications. Lecture Notes in Business Information Processing, 2012, , 38-52.	0.8	35
12	Cross-organizational process monitoring based on service choreographies. , 2010, , .		34
13	Vino4TOSCA: A Visual Notation for Application Topologies Based on TOSCA. Lecture Notes in Computer Science, 2012, , 416-424.	1.0	34
14	MAINTAINING DATA DEPENDENCIES ACROSS BPEL PROCESS FRAGMENTS. International Journal of Cooperative Information Systems, 2008, 17, 259-282.	0.6	26
15	Service Outsourcing with Process Views. IEEE Transactions on Services Computing, 2015, 8, 136-154.	3.2	26
16	Deriving Explicit Data Links in WS-BPEL Processes. , 2008, , .		25
17	An Introduction to Service Choreographies (Servicechoreographien – eine Einf¼hrung). IT - Information Technology, 2008, 50, 122-127.	0.6	22
18	OpenTOSCA for IoT. , 2016, , .		21

#	ARTICLE	IF	CITATIONS
19	SOEDA: A Method for Specification and Implementation of Applications on a Service-Oriented Event-Driven Architecture. Lecture Notes in Business Information Processing, 2009, , 193-204.	0.8	20
20	Policy4TOSCA: A Policy-Aware Cloud Service Provisioning Approach to Enable Secure Cloud Computing. Lecture Notes in Computer Science, 2013, , 360-376.	1.0	20
21	A Classification of BPEL Extensions. Journal of Systems Integration, 0, 2, 3-28.	2.2	19
22	Analyzing BPEL4Chor: Verification and Participant Synthesis. , 2007, , 46-60.		18
23	The OpenTOSCA Ecosystem - Concepts & Tools. , 2016, , .		17
24	Cloud Computing Automation: Integrating USDL and TOSCA. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2013, , 1-16.	0.2	16
25	Maintaining Data Dependencies Across BPEL Process Fragments. Lecture Notes in Computer Science, 2007, , 207-219.	1.0	15
26	Pattern-driven green adaptation of process-based applications and their runtime infrastructure. Computing (Vienna/New York), 2012, 94, 463-487.	3.2	14
27	Abstract API for 3D printing hardware and software resources. International Journal of Advanced Manufacturing Technology, 2017, 92, 1519-1535.	1.5	12
28	Fault Handling in the Web Service Stack. Lecture Notes in Computer Science, 2010, , 303-317.	1.0	12
29	Automated Discovery and Maintenance of Enterprise Topology Graphs. , 2013, , .		10
30	A situation-aware workflow modelling extension. , 2015, , .		9
31	A Taxonomy for Cloud Data Hosting Solutions. , 2011, , .		8
32	Non-functional data layer patterns for Cloud applications. , 2012, , .		8
33	Towards choreography-based process distribution in the cloud. , 2011, , .		7
34	Modeling and execution of data-aware choreographies: an overview. Computer Science - Research and Development, 2018, 33, 329-340.	2.7	7
35	An approach to automatically detect problems in restructured deployment models based on formalizing architecture and design patterns. Software-Intensive Cyber-Physical Systems, 2019, 34, 85-97.	2.3	7
36	Streamlining Cloud Management Automation by Unifying the Invocation of Scripts and Services Based on TOSCA. International Journal of Organizational and Collective Intelligence, 2014, 4, 45-63.	0.3	6

#	ARTICLE	IF	CITATIONS
37	Web Service Choreography Configurations for BPMN. Lecture Notes in Computer Science, 2009, , 401-412.	1.0	5
38	BPELscript: A Simplified Script Syntax for WS-BPEL 2.0. , 2009, , .		4
39	Quality of data driven simulation workflows. , 2012, , .		4
40	Performance Optimizations for Interacting Business Processes*. , 2013, , .		4
41	Method, formalization, and algorithms to split topology models for distributed cloud application deployments. Computing (Vienna/New York), 2020, 102, 343-363.	3.2	4
42	The Influence of an External Transaction on a BPEL Scope. Lecture Notes in Computer Science, 2009, , 381-388.	1.0	4
43	Interaction Choreography Models in BPEL: Choreographies on the Enterprise Service Bus. Communications in Computer and Information Science, 2011, , 36-53.	0.4	3
44	A Modelling Concept to Integrate Declarative and Imperative Cloud Application Provisioning Technologies. , 2015, , .		3
45	Hybrid TOSCA Provisioning Plans: Integrating Declarative and Imperative Cloud Application Provisioning Technologies. Communications in Computer and Information Science, 2016, , 239-262.	0.4	2
46	Retry Scopes to Enable Robust Workflow Execution in Pervasive Environments. Lecture Notes in Computer Science, 2010, , 358-369.	1.0	2
47	Context-Aware Provisioning and Management of Cloud Applications. Communications in Computer and Information Science, 2015, , 151-168.	0.4	1
48	Customization and provisioning of complex event processing using TOSCA. Computer Science - Research and Development, 2018, 33, 317-327.	2.7	1
49	A Model-Driven Approach to Implementing Coordination Protocols in BPEL. Lecture Notes in Business Information Processing, 2009, , 188-199.	0.8	1
50	External and Internal Events in EPCs: e2EPCs. Lecture Notes in Business Information Processing, 2010, , 381-392.	0.8	1
51	Choreography-based Consolidation of Interacting Processes Having Activity-based Loops. , 2015, , .		1
52	Streamlining Cloud Management Automation by Unifying the Invocation of Scripts and Services Based on TOSCA. , 2015, , 2240-2261.		1
53	Fostering the Reuse of TOSCA-based Applications by Merging BPEL Management Plans. Communications in Computer and Information Science, 2017, , 232-254.	0.4	1
54	Extending choreography spheres to improve simulations. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
55	Development of control strategies for low voltage networks with high penetration level of distributed generation. , 2013, , .		0