Ian Taylor

List of Publications by Year in descending order

36 papers	1,659 citations	623734 14 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	1584 citing authors

#	Article	IF	Citations
1	Workflows and e-Science: An overview of workflow system features and capabilities. Future Generation Computer Systems, 2009, 25, 528-540.	7.5	650
2	Programming scientific and distributed workflow with Triana services. Concurrency Computation Practice and Experience, 2006, 18, 1021-1037.	2.2	205
3	Visual Grid Workflow in Triana. Journal of Grid Computing, 2005, 3, 153-169.	3.9	115
4	Triana Applications within Grid Computing and Peer to Peer Environments. Journal of Grid Computing, 2003, 1, 199-217.	3.9	95
5	Scientific workflows: Past, present and future. Future Generation Computer Systems, 2017, 75, 216-227.	7.5	76
6	SWITCH workbench: A novel approach for the development and deployment of time-critical microservice-based cloud-native applications. Future Generation Computer Systems, 2019, 99, 197-212.	7.5	59
7	Scientific Process Automation and Workflow Management. Chapman & Hall/CRC Computational Science, 2009, , .	0.5	44
8	Fine-Grain Interoperability of Scientific Workflows in Distributed Computing Infrastructures. Journal of Grid Computing, 2013, 11, 429-455.	3.9	33
9	WS-RF Workflow in Triana. International Journal of High Performance Computing Applications, 2008, 22, 268-283.	3.7	30
10	Developing and Operating Time Critical Applications in Clouds: The State of the Art and the SWITCH Approach. Procedia Computer Science, 2015, 68, 17-28.	2.0	27
11	A Software Workbench for Interactive, Time Critical and Highly Self-Adaptive Cloud Applications (SWITCH). , 2015, , .		24
12	Dynamically reconfigurable workflows for time-critical applications. , 2015, , .		20
13	Orchestration and analysis of decentralized workflows within heterogeneous networking infrastructures. Future Generation Computer Systems, 2017, 75, 388-401.	7.5	20
14	Bundle and Pool Architecture for Multi-Language, Robust, Scalable Workflow Executions. Journal of Grid Computing, 2013, 11, 457-480.	3.9	18
15	A General Approach to Real-Time Workflow Monitoring. , 2012, , .		17
16	A scalable super-peer approach for public scientific computation. Future Generation Computer Systems, 2009, 25, 213-223.	7.5	15
17	A Case Study into Using Common Real-Time Workflow Monitoring Infrastructure for Scientific Workflows. Journal of Grid Computing, 2013, 11, 381-406.	3.9	13
18	GridLab: Enabling Applications on the Grid. Lecture Notes in Computer Science, 2002, , 39-45.	1.3	13

#	Article	IF	Citations
19	Constructing distributed time-critical applications using cognitive enabled services. Future Generation Computer Systems, 2019, 100, 70-85.	7.5	11
20	The Web Services Resource Framework in a Peer-to-Peer Context. Journal of Grid Computing, 2006, 4, 425-445.	3.9	10
21	Workflows in a Dashboard: A New Generation of Usability. , 2014, , .		9
22	Triana Generations. , 2006, , .		7
23	Dynamic Distributed Orchestration of Node-RED IoT Workflows Using a Vector Symbolic Architecture. , 2018, , .		7
24	Efficient orchestration of Node-RED IoT workflows using a Vector Symbolic Architecture. Future Generation Computer Systems, 2020, 111, 117-131.	7.5	7
25	Scientific workflow interoperability framework. International Journal of Business Process Integration and Management, 2010, 5, 93.	0.0	5
26	Client/server messaging protocols in serverless environments. Journal of Network and Computer Applications, 2011, 34, 1366-1379.	9.1	5
27	Support for full life cycle cloud-native application management: Dynamic TOSCA and SWITCH IDE. Future Generation Computer Systems, 2019, 101, 975-982.	7.5	5
28	Web enabling desktop workflow applications. , 2009, , .		4
29	Object reuse and exchange for publishing and sharing workflows. , 2011, , .		3
30	Cache for workflows. , 2007, , .		2
31	Developing, Provisioning and Controlling Time Critical Applications in Cloud. Communications in Computer and Information Science, 2018, , 169-174.	0.5	2
32	Trustable service discovery for highly dynamic decentralized workflows. Future Generation Computer Systems, 2022, 134, 236-246.	7.5	2
33	Towards extending the SWITCH platform for time-critical, cloud-based CUDA applications: Job scheduling parameters influencing performance. Future Generation Computer Systems, 2019, 100, 542-556.	7.5	1
34	Dynamic Service-Based Integration Of Mobile Clusters In Grids. , 2008, , 159-171.		1
35	Orchestrating workflows over heterogeneous networking infrastructures. , 2015, , .		0
36	Enabling Discoverable Trusted Services for Highly Dynamic Decentralized Workflows. , 2020, , .		0