

Brian M Matthews

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

344
citations

9
h-index

17
g-index

53
ext. papers

394
ext. citations

1.2
avg, IF

2.71
L-index

#	Paper	IF	Citations
49	Citation and Peer Review of Data: Moving Towards Formal Data Publication. <i>International Journal of Digital Curation</i> , 2011 , 6, 4-37	0.9	62
48	Enabling Sharing and Reuse of Scientific Data. <i>New Review of Information Networking</i> , 2014 , 19, 16-43	0.5	24
47	Cloud computing in e-Science: research challenges and opportunities. <i>Journal of Supercomputing</i> , 2014 , 70, 408-464	2.5	24
46	Using a Core Scientific Metadata Model in Large-Scale Facilities. <i>International Journal of Digital Curation</i> , 2010 , 5, 106-118	0.9	24
45	Making the most of formal specification through animation, testing and proof. <i>Science of Computer Programming</i> , 1997 , 29, 53-78	1.1	21
44	Experiences with a researcher-centric ELN. <i>Chemical Science</i> , 2015 , 6, 1614-1629	9.4	18
43	Virtual Organization Support within a Grid-Wide Operating System. <i>IEEE Internet Computing</i> , 2008 , 12, 20-28	2.4	18
42	ICAT: Integrating Data Infrastructure for Facilities Based Science 2009 ,		14
41	A Framework for Software Preservation. <i>International Journal of Digital Curation</i> , 2010 , 5, 91-105	0.9	14
40	Enhancing the core scientific metadata model to incorporate derived data. <i>Future Generation Computer Systems</i> , 2013 , 29, 612-623	7.5	9
39	Managing Conflicts of Interest in Virtual Organisations. <i>Electronic Notes in Theoretical Computer Science</i> , 2008 , 197, 45-56	0.7	9
38	An evaluation of enhancing social tagging with a knowledge organization system. <i>ASLIB Proceedings</i> , 2010 , 62, 447-465		8
37	EnTag 2009 ,		8
36	Data Management and Preservation Planning for Big Science. <i>International Journal of Digital Curation</i> , 2013 , 8, 29-41	0.9	8
35	On Trust Management in Grids 2007 ,		7
34	Opening Up Climate Research: A Linked Data Approach to Publishing Data Provenance. <i>International Journal of Digital Curation</i> , 2012 , 7, 163-173	0.9	6
33	A Linked Data Approach to Publishing Complex Scientific Workflows 2011 ,		5

32	Managing Risks in the Preservation of Research Data with Preservation Networks. <i>International Journal of Digital Curation</i> , 2012 , 7, 3-15	0.9	5
31	A Multidisciplinary Scientific Data Portal. <i>Lecture Notes in Computer Science</i> , 2001 , 13-22	0.9	5
30	PaNdata: Open Data Infrastructure for Photon and Neutron Sources. <i>Synchrotron Radiation News</i> , 2015 , 28, 30-35	0.6	4
29	Enhancing the Core Scientific Metadata Model to Incorporate Derived Data 2010 ,		4
28	Investigating the Integration of two Formal Methods. <i>Formal Aspects of Computing</i> , 1998 , 10, 532-549	1.2	4
27	Curating Scientific Research Data for the Long Term: A Preservation Analysis Method in Context. <i>International Journal of Digital Curation</i> , 2011 , 6, 38-52	0.9	4
26	Compositional Structuring in the B-Method: A Logical Viewpoint of the Static Context. <i>Lecture Notes in Computer Science</i> , 2000 , 107-126	0.9	4
25	Towards the Interoperable Data Environment for Facilities Science. <i>Advances in Knowledge Acquisition, Transfer and Management Book Series</i> , 2015 , 127-153	0.3	4
24	Richer Requirements for Better Clouds 2013 ,		3
23	A Metadata Model for the Discovery and Exploitation of Scientific Studies 2007 , 135-149		3
22	Virtual Organization Management in XtremOS: an Overview 2007 , 73-82		3
21	Request Based Virtual Organisations (RBVO): An Implementation Scenario 2005 , 17-24		3
20	Formal Development of Databases in ASSO and B. <i>Lecture Notes in Computer Science</i> , 1999 , 388-410	0.9	3
19	Identifying the business model dimensions of data sharing: A value-based approach. <i>Journal of the Association for Information Science and Technology</i> , 2019 , 70, 1047-1059	2.7	2
18	Modelling Security Properties in a Grid-based Operating System with Anti-Goals 2008 ,		2
17	The Research Data Alliance Photon and Neutron Science Interest Group. <i>Synchrotron Radiation News</i> , 2015 , 28, 43-47	0.6	1
16	2009 ,		1
15	2012 ,		1

14	A Protocol for Exchanging Scientific Citations 2009 ,		1
13	Synthesising structure from flat specifications. <i>Lecture Notes in Computer Science</i> , 1998 , 148-161	0.9	1
12	Deploying Trust Policies on the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2004 , 369-375	0.9	1
11	The Future of the World Wide Web ?. <i>Lecture Notes in Computer Science</i> , 2004 , 4-15	0.9	1
10	Threat Analysis and Attacks on XtremOS: a GridEnabled Operating System 2007 , 53-62		1
9	Investigations as Research Objects Within Facilities Science. <i>Communications in Computer and Information Science</i> , 2014 , 127-140	0.3	1
8	The Specification and Proof of an EXPRESS to SQL Compiler 1998 , 95-121		1
7	Formal methods in practice: A comparison of two support systems for proof. <i>Lecture Notes in Computer Science</i> , 1995 , 184-205	0.9	1
6	Data authenticity and data value in policy-driven digital collections. <i>OCLC Systems & Services</i> , 2014 , 30, 212-231		0
5	Accessing Web Databases Using OGSA-DAI in BDWorld 2007 , 35-49		
4	Ionic Types. <i>Lecture Notes in Computer Science</i> , 2000 , 296-312	0.9	
3	Execution Management for Mobile Service-Oriented Environments. <i>International Journal of Systems and Service-Oriented Engineering</i> , 2010 , 1, 39-59	0.1	
2	An Autonomic Security Monitor for Distributed Operating Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 112-121	0.9	
1	Investigations as Research Objects Within Facilities Science. <i>Communications in Computer and Information Science</i> , 2014 , 127-140	0.3	