

# Alasdair J G Gray

## 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.

38  
papers

6,148  
citations

14  
h-index

45  
g-index

45  
ext. papers

8,537  
ext. citations

2.5  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
38	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , <b>2016</b> , 3, 160018	8.2	4154
37	The IUPHAR/BPS Guide to PHARMACOLOGY in 2018: updates and expansion to encompass the new guide to IMMUNOPHARMACOLOGY. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D1091-D1106	20.1	1458
36	Enabling Ontology-Based Access to Streaming Data Sources. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 96-111	0.9	95
35	The Relational Grid Monitoring Architecture: Mediating Information about the Grid. <i>Journal of Grid Computing</i> , <b>2004</b> , 2, 323-339	4.2	59
34	PAV ontology: provenance, authoring and versioning. <i>Journal of Biomedical Semantics</i> , <b>2013</b> , 4, 37	2.2	46
33	Interoperability and FAIRness through a novel combination of Web technologies. <i>PeerJ Computer Science</i> , <b>2014</b> , 3, e110	2.7	38
32	API-centric Linked Data integration: The Open PHACTS Discovery Platform case study. <i>Web Semantics</i> , <b>2014</b> , 29, 12-18	2.9	34
31	Applying linked data approaches to pharmacology: Architectural decisions and implementation. <i>Semantic Web</i> , <b>2014</b> , 5, 101-113	2.4	32
30	R-GMA: An Information Integration System for Grid Monitoring. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 462-481	0.9	31
29	A semantic sensor web for environmental decision support applications. <i>Sensors</i> , <b>2011</b> , 11, 8855-87	3.8	29
28	SNEE: a query processor for wireless sensor networks. <i>Distributed and Parallel Databases</i> , <b>2011</b> , 29, 31-85	0.9	27
27	A Semantically Enabled Service Architecture for Mashups over Streaming and Stored Data. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 300-314	0.9	25
26	The health care and life sciences community profile for dataset descriptions. <i>PeerJ</i> , <b>2016</b> , 4, e2331	3.1	14
25	Administrative social science data: The challenge of reproducible research. <i>Big Data and Society</i> , <b>2016</b> , 3, 205395171668414	5.3	12
24	Scientific Lenses to Support Multiple Views over Linked Chemistry Data. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 98-113	0.9	12
23	Can RDB2RDF Tools Feasibly Expose Large Science Archives for Data Integration?. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 491-505	0.9	10
22	Stream Integration Techniques for Grid Monitoring. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 136-175	0.9	7

21	Incorporating Commercial and Private Data into an Open Linked Data Platform for Drug Discovery. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 65-80	0.9	5
20	ReasonNet: Inferring Network Policies Using Ontologies <b>2018</b> ,		4
19	A framework for evaluating and utilizing medical terminology mappings. <i>Studies in Health Technology and Informatics</i> , <b>2014</b> , 205, 594-8	0.5	4
18	Deploying In-Network Data Analysis Techniques in Sensor Networks <b>2011</b> ,		3
17	A Data Stream Publish/Subscribe Architecture with Self-adapting Queries. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 420-438	0.9	3
16	Dataset Descriptions for Linked Data Systems. <i>IEEE Internet Computing</i> , <b>2014</b> , 18, 66-69	2.4	2
15	Answering queries over incomplete data stream histories. <i>International Journal of Web Information Systems</i> , <b>2007</b> , 3, 41-60	0.9	2
14	Republishers in a Publish/Subscribe Architecture for Data Streams. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 179-184	0.9	2
13	ToCo: An Ontology for Representing Hybrid Telecommunication Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 507-522	0.9	2
12	Api-Centric Linked Data Integration: The Open Phacts Discovery Platform Case Study. <i>SSRN Electronic Journal</i> ,	1	2
11	SARA [A Semantic Access Point Resource Allocation Service for Heterogenous Wireless Networks <b>2019</b> ,		1
10	SensorBench <b>2014</b> ,		1
9	Searching and exploring controlled vocabularies <b>2009</b> ,		1
8	Extending query languages for in-network query processing <b>2011</b> ,		1
7	Finding the right term: Retrieving and exploring semantic concepts in astronomical vocabularies. <i>Information Processing and Management</i> , <b>2010</b> , 46, 470-478	6.3	1
6	Sources of Incompleteness in Grid Publishing. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 94-101	0.9	1
5	Data Quality Issues in Current Nanopublications <b>2019</b> ,		1
4	An ontology-based data integration framework for construction information management. <i>Proceedings of Institution of Civil Engineers: Management, Procurement and Law</i> , <b>2018</b> , 171, 111-125	0.5	0

- 3 Finding Data Resources in a Virtual Observatory Using SKOS Vocabularies. *Lecture Notes in Computer Science*, **2008**, 189-192 0.9
- 2 Executing In-network Queries Using SNEE. *Lecture Notes in Computer Science*, **2011**, 136-139 0.9
- 1 Whither BNCOD? The Future of Database and Information Systems Research. *Lecture Notes in Computer Science*, **2012**, 3-6 0.9