

David M Shotton

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.

55
papers

2,566
citations

24
h-index

50
g-index

58
ext. papers

2,758
ext. citations

7.7
avg, IF

5.32
L-index

#	Paper	IF	Citations
55	The molecular structure of human erythrocyte spectrin. Biophysical and electron microscopic studies. <i>Journal of Molecular Biology</i> , 1979 , 131, 303-29	6.5	504
54	Confocal scanning optical microscopy and its applications for biological specimens. <i>Journal of Cell Science</i> , 1989 , 94, 175-206	5.3	277
53	Intramembrane particle aggregation in erythrocyte ghosts. II. The influence of spectrin aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1976 , 426, 101-22	3.8	252
52	Muscular dystrophy in the mdx mouse: histopathology of the soleus and extensor digitorum longus muscles. <i>Journal of the Neurological Sciences</i> , 1987 , 80, 39-54	3.2	242
51	[7] Elastase. <i>Methods in Enzymology</i> , 1970 , 19, 113-140	1.7	132
50	FaBiO and CiTO: Ontologies for describing bibliographic resources and citations. <i>Web Semantics</i> , 2012 , 17, 33-43	2.9	97
49	Adventures in semantic publishing: exemplar semantic enhancements of a research article. <i>PLoS Computational Biology</i> , 2009 , 5, e1000361	5	94
48	Semantic publishing: the coming revolution in scientific journal publishing. <i>Learned Publishing</i> , 2009 , 22, 85-94	1.8	93
47	Confocal scanning microscopy: three-dimensional biological imaging. <i>Trends in Biochemical Sciences</i> , 1989 , 14, 435-9	10.3	78
46	CiTO, the Citation Typing Ontology. <i>Journal of Biomedical Semantics</i> , 2010 , 1 Suppl 1, S6	2.2	76
45	Robert Feulgen Prize Lecture 1995. Electronic light microscopy: present capabilities and future prospects. <i>Histochemistry and Cell Biology</i> , 1995 , 104, 97-137	2.4	56
44	OpenCitations, an infrastructure organization for open scholarship. <i>Quantitative Science Studies</i> , 2020 , 1, 428-444	3.8	38
43	The shape of spectrin molecules from human erythrocyte membranes. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978 , 536, 313-7		38
42	The Document Components Ontology (DoCO). <i>Semantic Web</i> , 2016 , 7, 167-181	2.4	34
41	Setting our bibliographic references free: towards open citation data. <i>Journal of Documentation</i> , 2015 , 71, 253-277	1.3	32
40	The SPAR Ontologies. <i>Lecture Notes in Computer Science</i> , 2018 , 119-136	0.9	32
39	Modelling OWL Ontologies with Graffoo. <i>Lecture Notes in Computer Science</i> , 2014 , 320-325	0.9	29

38	Publishing: Open citations. <i>Nature</i> , 2013 , 502, 295-7	50.4	28
37	FlyTED: the Drosophila Testis Gene Expression Database. <i>Nucleic Acids Research</i> , 2010 , 38, D710-5	20.1	27
36	Quantitative freeze-fracture electron microscopy of dystrophic muscle membranes. <i>Journal of the Neurological Sciences</i> , 1982 , 57, 161-90	3.2	27
35	Linked data and provenance in biological data webs. <i>Briefings in Bioinformatics</i> , 2009 , 10, 139-52	13.4	26
34	Meeting Report from the Second "Minimum Information for Biological and Biomedical Investigations" (MIBBI) workshop. <i>Standards in Genomic Sciences</i> , 2010 , 3, 259-66		26
33	Crystalline porcine pancreatic elastase. <i>Journal of Molecular Biology</i> , 1968 , 32, 155-6	6.5	26
32	Scholarly publishing and linked data 2012 ,		22
31	Structural analysis of the CD5 antigen--expression, disulphide bond analysis and physical characterisation of CD5 scavenger receptor superfamily domain 1. <i>FEBS Journal</i> , 1998 , 257, 131-41		21
30	Software review: COCI, the OpenCitations Index of Crossref open DOI-to-DOI citations. <i>Scientometrics</i> , 2019 , 121, 1213-1228	3	19
29	One Year of the OpenCitations Corpus. <i>Lecture Notes in Computer Science</i> , 2017 , 184-192	0.9	18
28	Video on the Internet: An introduction to the digital encoding, compression, and transmission of moving image data. <i>Journal of Structural Biology</i> , 1999 , 125, 133-55	3.4	18
27	Erythrocyte membrane skeleton abnormalities in hereditary spherocytosis. <i>British Journal of Haematology</i> , 1983 , 54, 173-87	4.5	18
26	Tools for the Automatic Generation of Ontology Documentation. <i>International Journal on Semantic Web and Information Systems</i> , 2013 , 9, 21-44	1.4	17
25	Quick-freezing--the new frontier in freeze-fracture. <i>Nature</i> , 1980 , 283, 12-4	50.4	17
24	OpenFlyData: an exemplar data web integrating gene expression data on the fruit fly <i>Drosophila melanogaster</i> . <i>Journal of Biomedical Informatics</i> , 2010 , 43, 752-61	10.2	14
23	The Five Stars of Online Journal Articles - a Framework for Article Evaluation. <i>D-Lib Magazine</i> , 2012 , 18,		14
22	Issues in learning an ontology from text. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 5, S1	3.6	11
21	The Publishing Workflow Ontology (PWO). <i>Semantic Web</i> , 2017 , 8, 703-718	2.4	10

20	Faceted documents 2012 ,		9
19	Recognising document components in XML-based academic articles 2013 ,		7
18	2009 ,		6
17	Ultrastructural identification of type 1 fibres in human skeletal muscle. Immunogold labelling of thin cryosections with a monoclonal antibody against slow myosin. <i>Journal of the Neurological Sciences</i> , 1988 , 83, 93-108	3.2	6
16	Enabling text search on SPARQL endpoints through OSCAR. <i>Data Science</i> , 2019 , 2, 205-227	2.2	5
15	Isolation and initial biochemical characterisation of caps of two major rat thymocyte glycoproteins: evidence for the involvement of a 205 K Con A binding protein and cytoskeletal components in capping. <i>Cytoskeleton</i> , 1987 , 8, 37-43		5
14	Building a Semantic Web Image Repository for Biological Research Images 2008 , 154-169		5
13	CiTO + SWAN: The web semantics of bibliographic records, citations, evidence and discourse relationships. <i>Semantic Web</i> , 2014 , 5, 295-311	2.4	4
12	Quantitative freeze-fracture studies of membrane changes in chicken muscular dystrophy. <i>Muscle and Nerve</i> , 1986 , 9, 501-14	3.4	4
11	The OpenCitations Data Model. <i>Lecture Notes in Computer Science</i> , 2020 , 447-463	0.9	4
10	OpenFlyData: The Way to Go for Biological Data Integration. <i>Lecture Notes in Computer Science</i> , 2009 , 47-54	0.9	4
9	FaBIO and CiTO: Ontologies for Describing Bibliographic Resources and Citations. <i>SSRN Electronic Journal</i> , 2012 ,	1	3
8	VIDOS, a system for video editing and format conversion over the Internet. <i>Computer Networks</i> , 2000 , 34, 931-944	5.4	3
7	OSCAR: A Customisable Tool for Free-Text Search over SPARQL Endpoints. <i>Lecture Notes in Computer Science</i> , 2018 , 121-137	0.9	3
6	Illustration: database pictures tell a true story. <i>Nature</i> , 2003 , 422, 374	50.4	2
5	Tools for the Automatic Generation of Ontology Documentation 839-865		2
4	Creating RESTful APIs over SPARQL endpoints using RAMOSE. <i>Semantic Web</i> , 2021 , 1-19	2.4	2
3	Cytotoxic T lymphocytes can induce a condemned state and synchronous post-mitotic apoptosis of daughter target cells. <i>European Journal of Immunology</i> , 1999 , 29, 1793-802	6.1	1

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| 2 | Freeze-etch studies of membrane proteins: a review. <i>Biochemical Society Transactions</i> , 1978 , 6, 38-40 | 5.1 | 1 |
| 1 | Strukturmerkmale einer Enzymfamilie. <i>Chemie in Unserer Zeit</i> , 1971 , 5, 1-7 | 0.2 | 1 |