

Guy R Cochrane

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.

90
papers

7,718
citations

44
h-index

87
g-index

99
ext. papers

10,089
ext. citations

15.3
avg, IF

5.65
L-index

#	Paper	IF	Citations
90	The minimum information about a genome sequence (MIGS) specification. <i>Nature Biotechnology</i> , 2008 , 26, 541-7	44.5	964
89	Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea. <i>Nature Biotechnology</i> , 2017 , 35, 725-731	44.5	648
88	Toward an online repository of Standard Operating Procedures (SOPs) for (meta)genomic annotation. <i>OMICS A Journal of Integrative Biology</i> , 2008 , 12, 137-41	3.8	491
87	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MixS) specifications. <i>Nature Biotechnology</i> , 2011 , 29, 415-20	44.5	445
86	The European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2011 , 39, D28-31	20.1	322
85	Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. <i>Nature Communications</i> , 2019 , 10, 1124	17.4	293
84	Efficient storage of high throughput DNA sequencing data using reference-based compression. <i>Genome Research</i> , 2011 , 21, 734-40	9.7	233
83	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2005 , 33, D29-33	20.1	199
82	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , 2019 , 37, 29-37	44.5	180
81	BlobToolKit - Interactive Quality Assessment of Genome Assemblies. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 1361-1374	3.2	159
80	The Genomic Standards Consortium. <i>PLoS Biology</i> , 2011 , 9, e1001088	9.7	143
79	EBI Metagenomics in 2017: enriching the analysis of microbial communities, from sequence reads to assemblies. <i>Nucleic Acids Research</i> , 2018 , 46, D726-D735	20.1	130
78	MGnify: the microbiome analysis resource in 2020. <i>Nucleic Acids Research</i> , 2020 , 48, D570-D578	20.1	127
77	The ocean sampling day consortium. <i>GigaScience</i> , 2015 , 4, 27	7.6	126
76	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2016 , 44, D48-50	20.1	125
75	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2004 , 32, D27-30	20.1	123
74	RNAcentral: a comprehensive database of non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2017 , 45, D128-D134	20.1	119

73	EMBL Nucleotide Sequence Database in 2006. <i>Nucleic Acids Research</i> , 2007 , 35, D16-20	20.1	114
72	The international nucleotide sequence database collaboration. <i>Nucleic Acids Research</i> , 2018 , 46, D48-D51	20.1	105
71	EBI metagenomics--a new resource for the analysis and archiving of metagenomic data. <i>Nucleic Acids Research</i> , 2014 , 42, D600-6	20.1	104
70	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2013 , 41, D21-4	20.1	98
69	The European Bioinformatics Institute in 2016: Data growth and integration. <i>Nucleic Acids Research</i> , 2016 , 44, D20-6	20.1	91
68	RNAcentral: a hub of information for non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2019 , 47, D221-D229	20.1	90
67	RNAcentral: an international database of ncRNA sequences. <i>Nucleic Acids Research</i> , 2015 , 43, D123-9	20.1	89
66	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. <i>Scientific Data</i> , 2017 , 4, 170093	8.2	89
65	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2012 , 40, D33-7	20.1	86
64	Archiving next generation sequencing data. <i>Nucleic Acids Research</i> , 2010 , 38, D870-1	20.1	83
63	Nucleic Acids Research annual Database Issue and the NAR online Molecular Biology Database Collection in 2009. <i>Nucleic Acids Research</i> , 2009 , 37, D1-4	20.1	83
62	A decadal view of biodiversity informatics: challenges and priorities. <i>BMC Ecology</i> , 2013 , 13, 16	2.7	81
61	EBI metagenomics in 2016--an expanding and evolving resource for the analysis and archiving of metagenomic data. <i>Nucleic Acids Research</i> , 2016 , 44, D595-603	20.1	81
60	The European Nucleotide Archive in 2018. <i>Nucleic Acids Research</i> , 2019 , 47, D84-D88	20.1	77
59	EMBL Nucleotide Sequence Database: developments in 2005. <i>Nucleic Acids Research</i> , 2006 , 34, D10-5	20.1	76
58	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2011 , 39, D15-8	20.1	75
57	The 2010 Nucleic Acids Research Database Issue and online Database Collection: a community of data resources. <i>Nucleic Acids Research</i> , 2010 , 38, D1-4	20.1	73
56	Petabyte-scale innovations at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2009 , 37, D19-25	20.1	72

55	Consolidating and Exploring Antibiotic Resistance Gene Data Resources. <i>Journal of Clinical Microbiology</i> , 2016 , 54, 851-9	9.7	65
54	The European Nucleotide Archive in 2019. <i>Nucleic Acids Research</i> , 2020 , 48, D70-D76	20.1	62
53	The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. <i>Nucleic Acids Research</i> , 2011 , 39, D1-6	20.1	60
52	The European Nucleotide Archive in 2017. <i>Nucleic Acids Research</i> , 2018 , 46, D36-D40	20.1	59
51	European Nucleotide Archive in 2016. <i>Nucleic Acids Research</i> , 2017 , 45, D32-D36	20.1	58
50	Facing growth in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2013 , 41, D30-5	20.1	57
49	RNAcentral: A vision for an international database of RNA sequences. <i>Rna</i> , 2011 , 17, 1941-6	5.8	54
48	The genomic standards consortium: bringing standards to life for microbial ecology. <i>ISME Journal</i> , 2011 , 5, 1565-7	11.9	48
47	Improvements to services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2010 , 38, D39-45	20.1	47
46	UniEuk: Time to Speak a Common Language in Protistology!. <i>Journal of Eukaryotic Microbiology</i> , 2017 , 64, 407-411	3.6	39
45	Priorities for nucleotide trace, sequence and annotation data capture at the Ensembl Trace Archive and the EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2008 , 36, D5-12	20.1	39
44	Concept of sample in OMICS technology. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 127-37	3.8	38
43	The international nucleotide sequence database collaboration. <i>Nucleic Acids Research</i> , 2021 , 49, D121-D124	20.1	38
42	Content discovery and retrieval services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2015 , 43, D23-9	20.1	36
41	The European Bioinformatics Institute in 2017: data coordination and integration. <i>Nucleic Acids Research</i> , 2018 , 46, D21-D29	20.1	36
40	The European Nucleotide Archive in 2020. <i>Nucleic Acids Research</i> , 2021 , 49, D82-D85	20.1	36
39	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. <i>Bioinformatics</i> , 2020 , 36, 2636-2642	7.2	29
38	The metagenomic data life-cycle: standards and best practices. <i>GigaScience</i> , 2017 , 6, 1-11	7.6	29

37	Assembly information services in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2014 , 42, D38-43	20.1	28
36	Major submissions tool developments at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2012 , 40, D43-7	20.1	27
35	Toward richer metadata for microbial sequences: replacing strain-level NCBI taxonomy taxids with BioProject, BioSample and Assembly records. <i>Standards in Genomic Sciences</i> , 2014 , 9, 1275-7		26
34	Biocuration of functional annotation at the European nucleotide archive. <i>Nucleic Acids Research</i> , 2016 , 44, D58-66	20.1	25
33	Genomic Standards Consortium Projects. <i>Standards in Genomic Sciences</i> , 2014 , 9, 599-601		23
32	Evidence standards in experimental and inferential INSDC Third Party Annotation data. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 105-13	3.8	22
31	Genomic standards consortium projects. <i>Standards in Genomic Sciences</i> , 2014 , 9, 599-601		21
30	The European Bioinformatics Institute in 2018: tools, infrastructure and training. <i>Nucleic Acids Research</i> , 2019 , 47, D15-D22	20.1	21
29	The future of DNA sequence archiving. <i>GigaScience</i> , 2012 , 1, 2	7.6	19
28	Meeting Report: BioSharing at ISMB 2010. <i>Standards in Genomic Sciences</i> , 2010 , 3, 254-8		18
27	The European Bioinformatics Institute in 2020: building a global infrastructure of interconnected data resources for the life sciences. <i>Nucleic Acids Research</i> , 2020 , 48, D17-D23	20.1	18
26	The COVID-19 Data Portal: accelerating SARS-CoV-2 and COVID-19 research through rapid open access data sharing. <i>Nucleic Acids Research</i> , 2021 , 49, W619-W623	20.1	17
25	The COMPARE Data Hubs. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	16
24	EFSA and ECDC technical report on the collection and analysis of whole genome sequencing data from food-borne pathogens and other relevant microorganisms isolated from human, animal, food, feed and food/feed environmental samples in the joint ECDC-EFSA molecular typing database. <i>EFSA Supporting Publications</i> , 2019 , 16, 1997E	1.1	14
23	Patterns of database citation in articles and patents indicate long-term scientific and industry value of biological data resources. <i>F1000Research</i> , 2016 , 5,	3.6	13
22	Marine microbial biodiversity, bioinformatics and biotechnology (M2B3) data reporting and service standards. <i>Standards in Genomic Sciences</i> , 2015 , 10, 20		12
21	The European Bioinformatics Institute: empowering cooperation in response to a global health crisis. <i>Nucleic Acids Research</i> , 2021 , 49, D29-D37	20.1	12
20	The European Nucleotide Archive in 2021. <i>Nucleic Acids Research</i> , 2021 ,	20.1	9

19	BacPipe: A Rapid, User-Friendly Whole-Genome Sequencing Pipeline for Clinical Diagnostic Bacteriology. <i>iScience</i> , 2020 , 23, 100769	6.1	7
18	Value, but high costs in post-deposition data curation. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	7
17	Multilateral benefit-sharing from digital sequence information will support both science and biodiversity conservation.. <i>Nature Communications</i> , 2022 , 13, 1086	17.4	5
16	Meeting Report: "Metagenomics, Metadata and Meta-analysis" (M3) Special Interest Group at ISMB 2009. <i>Standards in Genomic Sciences</i> , 2009 , 1, 278-82		4
15	Meeting Report: Metagenomics, Metadata and MetaAnalysis (M3) at ISMB 2010. <i>Standards in Genomic Sciences</i> , 2010 , 3, 232-4		3
14	eGenomics: Cataloguing Our Complete Genome Collection III. <i>Comparative and Functional Genomics</i> , 2007 , 2007, 1-7		3
13	BlobToolKit Interactive quality assessment of genome assemblies		3
12	Accelerating surveillance and research of antimicrobial resistance An online repository for sharing of antimicrobial susceptibility data associated with whole genome sequences		3
11	The COMPARE Data Hubs		3
10	Myth-busting the provider-user relationship for digital sequence information.. <i>GigaScience</i> , 2021 , 10,	7.6	3
9	Meeting Report: "Metagenomics, Metadata and Meta-analysis" (M3) Workshop at the Pacific Symposium on Biocomputing 2010. <i>Standards in Genomic Sciences</i> , 2010 , 2, 357-60		2
8	Accelerating surveillance and research of antimicrobial resistance - an online repository for sharing of antimicrobial susceptibility data associated with whole-genome sequences. <i>Microbial Genomics</i> , 2020 , 6,	4.4	2
7	Quantitative monitoring of nucleotide sequence data from genetic resources in context of their citation in the scientific literature.. <i>GigaScience</i> , 2021 , 10,	7.6	2
6	RCN4GSC Workshop Report: Modeling a Testbed for Managing Data at the Interface of Biodiversity and (Meta)Genomics, April 2011. <i>Standards in Genomic Sciences</i> , 2012 , 7, 153-8		1
5	Meeting Report from the Genomic Standards Consortium (GSC) Workshop 8. <i>Standards in Genomic Sciences</i> , 2010 , 3, 93-6		1
4	The Aquatic Symbiosis Genomics Project: probing the evolution of symbiosis across the tree of life. <i>Wellcome Open Research</i> , 6 , 254	4.8	1
3	Plant specimen contextual data consensus. <i>GigaScience</i> , 2016 , 5, 1-4	7.6	1
2	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. <i>PLoS ONE</i> , 2021 , 16, e0245475	3.7	1

- 1 The FAANG Data Portal: Global, Open-Access, "FAIR", and Richly Validated Genotype to Phenotype Data for High-Quality Functional Annotation of Animal Genomes. *Frontiers in Genetics*, **2021**, 12, 639238^{4.5} ○