

Guy R Cochrane

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

12,378
citations

44042

48
h-index

43868

91
g-index

99
all docs

99
docs citations

99
times ranked

17721
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.4	1,512
2	The minimum information about a genome sequence (MIGS) specification. <i>Nature Biotechnology</i> , 2008, 26, 541-547.	9.4	1,069
3	BlobToolKit “Interactive Quality Assessment of Genome Assemblies. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1361-1374.	0.8	883
4	Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. <i>Nature Communications</i> , 2019, 10, 1124.	5.8	612
5	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MlxS) specifications. <i>Nature Biotechnology</i> , 2011, 29, 415-420.	9.4	608
6	Toward an Online Repository of Standard Operating Procedures (SOPs) for (Meta)genomic Annotation. <i>OMICS A Journal of Integrative Biology</i> , 2008, 12, 137-141.	1.0	598
7	The European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2011, 39, D28-D31.	6.5	471
8	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , 2019, 37, 29-37.	9.4	414
9	Efficient storage of high throughput DNA sequencing data using reference-based compression. <i>Genome Research</i> , 2011, 21, 734-740.	2.4	329
10	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2012, 40, D33-D37.	6.5	327
11	MGnify: the microbiome analysis resource in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D570-D578.	6.5	296
12	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2004, 33, D29-D33.	6.5	269
13	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	3.3	185
14	The Genomic Standards Consortium. <i>PLoS Biology</i> , 2011, 9, e1001088.	2.6	180
15	EBI Metagenomics in 2017: enriching the analysis of microbial communities, from sequence reads to assemblies. <i>Nucleic Acids Research</i> , 2018, 46, D726-D735.	6.5	175
16	RNAcentral: a comprehensive database of non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2017, 45, D128-D134.	6.5	174
17	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2016, 44, D48-D50.	6.5	166
18	RNAcentral: a hub of information for non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2019, 47, D221-D229.	6.5	153

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19	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. <i>Scientific Data</i> , 2017, 4, 170093.	2.4	147
20	The international nucleotide sequence database collaboration. <i>Nucleic Acids Research</i> , 2018, 46, D48-D51.	6.5	146
21	EMBL Nucleotide Sequence Database in 2006. <i>Nucleic Acids Research</i> , 2007, 35, D16-D20.	6.5	136
22	The international nucleotide sequence database collaboration. <i>Nucleic Acids Research</i> , 2021, 49, D121-D124.	6.5	135
23	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2004, 32, 27D-30.	6.5	132
24	EBI metagenomicsâ€™ a new resource for the analysis and archiving of metagenomic data. <i>Nucleic Acids Research</i> , 2014, 42, D600-D606.	6.5	127
25	A decadal view of biodiversity informatics: challenges and priorities. <i>BMC Ecology</i> , 2013, 13, 16.	3.0	110
26	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2013, 41, D21-D24.	6.5	110
27	The European Bioinformatics Institute in 2016: Data growth and integration. <i>Nucleic Acids Research</i> , 2016, 44, D20-D26.	6.5	108
28	RNAcentral: an international database of ncRNA sequences. <i>Nucleic Acids Research</i> , 2015, 43, D123-D129.	6.5	103
29	The European Nucleotide Archive in 2018. <i>Nucleic Acids Research</i> , 2019, 47, D84-D88.	6.5	103
30	Nucleic Acids Research annual Database Issue and the NAR online Molecular Biology Database Collection in 2009. <i>Nucleic Acids Research</i> , 2009, 37, D1-D4.	6.5	101
31	Archiving next generation sequencing data. <i>Nucleic Acids Research</i> , 2010, 38, D870-D871.	6.5	101
32	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-D603.	6.5	97
33	The European Nucleotide Archive in 2020. <i>Nucleic Acids Research</i> , 2021, 49, D82-D85.	6.5	96
34	The European Nucleotide Archive in 2019. <i>Nucleic Acids Research</i> , 2020, 48, D70-D76.	6.5	95
35	Consolidating and Exploring Antibiotic Resistance Gene Data Resources. <i>Journal of Clinical Microbiology</i> , 2016, 54, 851-859.	1.8	94
36	The International Nucleotide Sequence Database Collaboration. <i>Nucleic Acids Research</i> , 2011, 39, D15-D18.	6.5	92

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37	The 2010 Nucleic Acids Research Database Issue and online Database Collection: a community of data resources. <i>Nucleic Acids Research</i> , 2010, 38, D1-D4.	6.5	86
38	EMBL Nucleotide Sequence Database: developments in 2005. <i>Nucleic Acids Research</i> , 2006, 34, D10-D15.	6.5	83
39	Petabyte-scale innovations at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2009, 37, D19-D25.	6.5	82
40	The European Nucleotide Archive in 2017. <i>Nucleic Acids Research</i> , 2018, 46, D36-D40.	6.5	79
41	<i>UniEuk</i>: Time to Speak a Common Language in Protistology!. <i>Journal of Eukaryotic Microbiology</i> , 2017, 64, 407-411.	0.8	74
42	The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. <i>Nucleic Acids Research</i> , 2011, 39, D1-D6.	6.5	70
43	Facing growth in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2012, 41, D30-D35.	6.5	68
44	European Nucleotide Archive in 2016. <i>Nucleic Acids Research</i> , 2017, 45, D32-D36.	6.5	68
45	Improvements to services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2010, 38, D39-D45.	6.5	67
46	RNAcentral: A vision for an international database of RNA sequences. <i>Rna</i> , 2011, 17, 1941-1946.	1.6	67
47	The European Nucleotide Archive in 2021. <i>Nucleic Acids Research</i> , 2022, 50, D106-D110.	6.5	62
48	The genomic standards consortium: bringing standards to life for microbial ecology. <i>ISME Journal</i> , 2011, 5, 1565-1567.	4.4	59
49	The European Bioinformatics Institute in 2017: data coordination and integration. <i>Nucleic Acids Research</i> , 2018, 46, D21-D29.	6.5	56
50	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.	6.5	53
51	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. <i>Bioinformatics</i> , 2020, 36, 2636-2642.	1.8	47
52	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> , 2007, 36, D5-D12.	6.5	46
53	Concept of Sample in OMICS Technology. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 127-137.	1.0	44
54	The metagenomic data life-cycle: standards and best practices. <i>GigaScience</i> , 2017, 6, 1-11.	3.3	42

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55	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, 1275-1277.	1.5	38
56	Content discovery and retrieval services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2015, 43, D23-D29.	6.5	36
57	Multilateral benefit-sharing from digital sequence information will support both science and biodiversity conservation. <i>Nature Communications</i> , 2022, 13, 1086.	5.8	34
58	Assembly information services in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2014, 42, D38-D43.	6.5	33
59	The European Bioinformatics Institute in 2018: tools, infrastructure and training. <i>Nucleic Acids Research</i> , 2019, 47, D15-D22.	6.5	33
60	Towards BioDBcore: a community-defined information specification for biological databases. <i>Nucleic Acids Research</i> , 2011, 39, D7-D10.	6.5	32
61	Major submissions tool developments at the European nucleotide archive. <i>Nucleic Acids Research</i> , 2012, 40, D43-D47.	6.5	32
62	BacPipe: A Rapid, User-Friendly Whole-Genome Sequencing Pipeline for Clinical Diagnostic Bacteriology. <i>IScience</i> , 2020, 23, 100769.	1.9	31
63	Towards BioDBcore: a community-defined information specification for biological databases. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, baq027-baq027.	1.4	30
64	Genomic Standards Consortium Projects. <i>Standards in Genomic Sciences</i> , 2014, 9, 599-601.	1.5	29
65	Biocuration of functional annotation at the European nucleotide archive. <i>Nucleic Acids Research</i> , 2016, 44, D58-D66.	6.5	28
66	The COMPARE Data Hubs. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	28
67	Genomic Standards Consortium Projects. <i>Standards in Genomic Sciences</i> , 2014, 9, 599-601.	1.5	26
68	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.	6.5	25
69	Evidence Standards in Experimental and Inferential INSDC Third Party Annotation Data. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 105-113.	1.0	24
70	The future of DNA sequence archiving. <i>GigaScience</i> , 2012, 1, 2.	3.3	23
71	The European Bioinformatics Institute: empowering cooperation in response to a global health crisis. <i>Nucleic Acids Research</i> , 2021, 49, D29-D37.	6.5	22
72	Meeting Report: BioSharing at ISMB 2010. <i>Standards in Genomic Sciences</i> , 2010, 3, 254-258.	1.5	19

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73	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. EFSA Supporting Publications, 2019, 16, 1337E.	0.3	19
74	The Aquatic Symbiosis Genomics Project: probing the evolution of symbiosis across the tree of life. Wellcome Open Research, 0, 6, 254.	0.9	19
75	Patterns of database citation in articles and patents indicate long-term scientific and industry value of biological data resources. F1000Research, 2016, 5, 160.	0.8	16
76	Biodiversity Community Integrated Knowledge Library (BiCIKL). Research Ideas and Outcomes, 0, 8, .	1.0	15
77	Marine microbial biodiversity, bioinformatics and biotechnology (M2B3) data reporting and service standards. Standards in Genomic Sciences, 2015, 10, 20.	1.5	14
78	Value, but high costs in post-deposition data curation. Database: the Journal of Biological Databases and Curation, 2016, 2016, bav126.	1.4	12
79	Myth-busting the provider-user relationship for digital sequence information. GigaScience, 2021, 10, .	3.3	12
80	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. PLoS ONE, 2021, 16, e0245475.	1.1	9
81	Plant specimen contextual data consensus. GigaScience, 2016, 5, 1-4.	3.3	8
82	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.	1.1	8
83	Accelerating surveillance and research of antimicrobial resistance – an online repository for sharing of antimicrobial susceptibility data associated with whole-genome sequences. Microbial Genomics, 2020, 6, .	1.0	5
84	eGenomics: Cataloguing Our Complete Genome Collection III. Comparative and Functional Genomics, 2007, 2007, 1-7.	2.0	4
85	Meeting Report: Metagenomics, Metadata and Meta-analysis; (M3) Special Interest Group at ISMB 2009. Standards in Genomic Sciences, 2009, 1, 278-282.	1.5	4
86	Meeting Report: Metagenomics, Metadata and MetaAnalysis (M3) at ISMB 2010. Standards in Genomic Sciences, 2010, 3, 232-234.	1.5	4
87	Quantitative monitoring of nucleotide sequence data from genetic resources in context of their citation in the scientific literature. GigaScience, 2021, 10, .	3.3	3
88	Meeting Report: Metagenomics, Metadata and Meta-analysis (M3) Workshop at the Pacific Symposium on Biocomputing 2010. Standards in Genomic Sciences, 2010, 2, 357-360.	1.5	2
89	Meeting Report from the Genomic Standards Consortium (GSC) Workshop 8. Standards in Genomic Sciences, 2010, 3, 93-96.	1.5	1
90	RCN4GSC Workshop Report: Modeling a Testbed for Managing Data at the Interface of Biodiversity and (Meta)Genomics, April 2011. Standards in Genomic Sciences, 2012, 7, 153-158.	1.5	1