Guy R Cochrane

List of Publications by Year in Descending Order

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	Multilateral benefit-sharing from digital sequence information will support both science and biodiversity conservation.. *Nature Communications*, **2022**, 13, 1086	17.4	5
89	The European Nucleotide Archive in 2021. *Nucleic Acids Research*, **2021**,	20.1	9
88	The European Bioinformatics Institute: empowering cooperation in response to a global health crisis. *Nucleic Acids Research*, **2021**, 49, D29-D37	20.1	12
87	The international nucleotide sequence database collaboration. *Nucleic Acids Research*, **2021**, 49, D121-D124	20.1	38
86	The COVID-19 Data Portal: accelerating SARS-CoV-2 and COVID-19 research through rapid open access data sharing. *Nucleic Acids Research*, **2021**, 49, W619-W623	20.1	17
85	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	0
84	The European Nucleotide Archive in 2020. *Nucleic Acids Research*, **2021**, 49, D82-D85	20.1	36
83	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. *PLoS ONE*, **2021**, 16, e0245475	3.7	1
82	Quantitative monitoring of nucleotide sequence data from genetic resources in context of their citation in the scientific literature.. *GigaScience*, **2021**, 10,	7.6	2
81	Myth-busting the provider-user relationship for digital sequence information.. *GigaScience*, **2021**, 10,	7.6	3
80	BacPipe: A Rapid, User-Friendly Whole-Genome Sequencing Pipeline for Clinical Diagnostic Bacteriology. *IScience*, **2020**, 23, 100769	6.1	7
79	BlobToolKit - Interactive Quality Assessment of Genome Assemblies. *G3: Genes, Genomes, Genetics*, **2020**, 10, 1361-1374	3.2	159
78	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. *Bioinformatics*, **2020**, 36, 2636-2642	7.2	29
77	MGnify: the microbiome analysis resource in 2020. *Nucleic Acids Research*, **2020**, 48, D570-D578	20.1	127
76	The European Nucleotide Archive in 2019. *Nucleic Acids Research*, **2020**, 48, D70-D76	20.1	62
75	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,	4.4	2
74	The European Bioinformatics Institute in 2020: building a global infrastructure of interconnected data resources for the life sciences. *Nucleic Acids Research*, **2020**, 48, D17-D23	20.1	18

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	1.1	14
72	Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. *Nature Communications*, **2019**, 10, 1124	17.4	293
71	The COMPARE Data Hubs. *Database: the Journal of Biological Databases and Curation*, **2019**, 2019,	5	16
70	The European Bioinformatics Institute in 2018: tools, infrastructure and training. *Nucleic Acids Research*, **2019**, 47, D15-D22	20.1	21
69	Minimum Information about an Uncultivated Virus Genome (MIUViG). *Nature Biotechnology*, **2019**, 37, 29-37	44.5	180
68	RNAcentral: a hub of information for non-coding RNA sequences. *Nucleic Acids Research*, **2019**, 47, D221-D229	20.1	90
67	The European Nucleotide Archive in 2018. *Nucleic Acids Research*, **2019**, 47, D84-D88	20.1	77
66	EBI Metagenomics in 2017: enriching the analysis of microbial communities, from sequence reads to assemblies. *Nucleic Acids Research*, **2018**, 46, D726-D735	20.1	130
65	The European Nucleotide Archive in 2017. *Nucleic Acids Research*, **2018**, 46, D36-D40	20.1	59
64	The European Bioinformatics Institute in 2017: data coordination and integration. *Nucleic Acids Research*, **2018**, 46, D21-D29	20.1	36
63	The international nucleotide sequence database collaboration. *Nucleic Acids Research*, **2018**, 46, D48-D51	20.1	105
62	UniEuk: Time to Speak a Common Language in Protistology!. *Journal of Eukaryotic Microbiology*, **2017**, 64, 407-411	3.6	39
61	European Nucleotide Archive in 2016. *Nucleic Acids Research*, **2017**, 45, D32-D36	20.1	58
60	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. *Scientific Data*, **2017**, 4, 170093	8.2	89
59	Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea. *Nature Biotechnology*, **2017**, 35, 725-731	44.5	648
58	The metagenomic data life-cycle: standards and best practices. *GigaScience*, **2017**, 6, 1-11	7.6	29
57	RNAcentral: a comprehensive database of non-coding RNA sequences. *Nucleic Acids Research*, **2017**, 45, D128-D134	20.1	119
56	Biocuration of functional annotation at the European nucleotide archive. *Nucleic Acids Research*, **2016**, 44, D58-66	20.1	25

55	The International Nucleotide Sequence Database Collaboration. *Nucleic Acids Research*, **2016**, 44, D48-50	20.1	125
54	Consolidating and Exploring Antibiotic Resistance Gene Data Resources. *Journal of Clinical Microbiology*, **2016**, 54, 851-9	9.7	65
53	The European Bioinformatics Institute in 2016: Data growth and integration. *Nucleic Acids Research*, **2016**, 44, D20-6	20.1	91
52	Patterns of database citation in articles and patents indicate long-term scientific and industry value of biological data resources. *F1000Research*, **2016**, 5,	3.6	13
51	Value, but high costs in post-deposition data curation. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	7
50	Plant specimen contextual data consensus. *GigaScience*, **2016**, 5, 1-4	7.6	1
49	EBI metagenomics in 2016--an expanding and evolving resource for the analysis and archiving of metagenomic data. *Nucleic Acids Research*, **2016**, 44, D595-603	20.1	81
48	The ocean sampling day consortium. *GigaScience*, **2015**, 4, 27	7.6	126
47	Content discovery and retrieval services at the European Nucleotide Archive. *Nucleic Acids Research* , **2015**, 43, D23-9	20.1	36
46	RNAcentral: an international database of ncRNA sequences. *Nucleic Acids Research*, **2015**, 43, D123-9	20.1	89
45	Marine microbial biodiversity, bioinformatics and biotechnology (M2B3) data reporting and service standards. *Standards in Genomic Sciences*, **2015**, 10, 20		12
44	EBI metagenomics--a new resource for the analysis and archiving of metagenomic data. *Nucleic Acids Research*, **2014**, 42, D600-6	20.1	104
43	Toward richer metadata for microbial sequences: replacing strain-level NCBI taxonomy taxids with BioProject, BioSample and Assembly records. *Standards in Genomic Sciences*, **2014**, 9, 1275-7		26
42	Genomic standards consortium projects. *Standards in Genomic Sciences*, **2014**, 9, 599-601		21
41	Assembly information services in the European Nucleotide Archive. *Nucleic Acids Research*, **2014**, 42, D38-43	20.1	28
40	Genomic Standards Consortium Projects. *Standards in Genomic Sciences*, **2014**, 9, 599-601		23
39	A decadal view of biodiversity informatics: challenges and priorities. *BMC Ecology*, **2013**, 13, 16	2.7	81
38	The International Nucleotide Sequence Database Collaboration. *Nucleic Acids Research*, **2013**, 41, D21-4	20.1	98

37	Facing growth in the European Nucleotide Archive. *Nucleic Acids Research*, **2013**, 41, D30-5	20.1	57
36	The International Nucleotide Sequence Database Collaboration. *Nucleic Acids Research*, **2012**, 40, D33-7	20.1	86
35	The future of DNA sequence archiving. *GigaScience*, **2012**, 1, 2	7.6	19
34	Major submissions tool developments at the European Nucleotide Archive. *Nucleic Acids Research*, **2012**, 40, D43-7	20.1	27
33	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, 153-8		1
32	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. *Nature Biotechnology*, **2011**, 29, 415-20	44.5	445
31	The genomic standards consortium: bringing standards to life for microbial ecology. *ISME Journal*, **2011**, 5, 1565-7	11.9	48
30	The International Nucleotide Sequence Database Collaboration. *Nucleic Acids Research*, **2011**, 39, D15-8	20.1	75
29	The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. *Nucleic Acids Research*, **2011**, 39, D1-6	20.1	60
28	Efficient storage of high throughput DNA sequencing data using reference-based compression. *Genome Research*, **2011**, 21, 734-40	9.7	233
27	The European Nucleotide Archive. *Nucleic Acids Research*, **2011**, 39, D28-31	20.1	322
26	RNAcentral: A vision for an international database of RNA sequences. *Rna*, **2011**, 17, 1941-6	5.8	54
25	The Genomic Standards Consortium. *PLoS Biology*, **2011**, 9, e1001088	9.7	143
24	The 2010 Nucleic Acids Research Database Issue and online Database Collection: a community of data resources. *Nucleic Acids Research*, **2010**, 38, D1-4	20.1	73
23	Improvements to services at the European Nucleotide Archive. *Nucleic Acids Research*, **2010**, 38, D39-45	20.1	47
22	Archiving next generation sequencing data. *Nucleic Acids Research*, **2010**, 38, D870-1	20.1	83
21	Meeting Report: BioSharing at ISMB 2010. *Standards in Genomic Sciences*, **2010**, 3, 254-8		18
20	Meeting Report: "Metagenomics, Metadata and Meta-analysis" (M3) Workshop at the Pacific Symposium on Biocomputing 2010. *Standards in Genomic Sciences*, **2010**, 2, 357-60		2

19	Meeting Report from the Genomic Standards Consortium (GSC) Workshop 8. *Standards in Genomic Sciences*, **2010**, 3, 93-6		1
18	Meeting Report: Metagenomics, Metadata and MetaAnalysis (M3) at ISMB 2010. *Standards in Genomic Sciences*, **2010**, 3, 232-4		3
17	Petabyte-scale innovations at the European Nucleotide Archive. *Nucleic Acids Research*, **2009**, 37, D19-25	20.1	72
16	Nucleic Acids Research annual Database Issue and the NAR online Molecular Biology Database Collection in 2009. *Nucleic Acids Research*, **2009**, 37, D1-4	20.1	83
15	Meeting Report: "Metagenomics, Metadata and Meta-analysis" (M3) Special Interest Group at ISMB 2009. *Standards in Genomic Sciences*, **2009**, 1, 278-82		4
14	The minimum information about a genome sequence (MIGS) specification. *Nature Biotechnology*, **2008**, 26, 541-7	44.5	964
13	Toward an online repository of Standard Operating Procedures (SOPs) for (meta)genomic annotation. *OMICS A Journal of Integrative Biology*, **2008**, 12, 137-41	3.8	491
12	Priorities for nucleotide trace, sequence and annotation data capture at the Ensembl Trace Archive and the EMBL Nucleotide Sequence Database. *Nucleic Acids Research*, **2008**, 36, D5-12	20.1	39
11	eGenomics: Cataloguing Our Complete Genome Collection III. *Comparative and Functional Genomics* , **2007**, 2007, 1-7		3
10	EMBL Nucleotide Sequence Database in 2006. *Nucleic Acids Research*, **2007**, 35, D16-20	20.1	114
9	EMBL Nucleotide Sequence Database: developments in 2005. *Nucleic Acids Research*, **2006**, 34, D10-5	20.1	76
8	Concept of sample in OMICS technology. *OMICS A Journal of Integrative Biology*, **2006**, 10, 127-37	3.8	38
7	Evidence standards in experimental and inferential INSDC Third Party Annotation data. *OMICS A Journal of Integrative Biology*, **2006**, 10, 105-13	3.8	22
6	The EMBL Nucleotide Sequence Database. *Nucleic Acids Research*, **2005**, 33, D29-33	20.1	199
5	The EMBL Nucleotide Sequence Database. *Nucleic Acids Research*, **2004**, 32, D27-30	20.1	123
4	The Aquatic Symbiosis Genomics Project: probing the evolution of symbiosis across the tree of life. *Wellcome Open Research*,6, 254	4.8	1
3	BlobToolKit Interactive quality assessment of genome assemblies		3
2	Accelerating surveillance and research of antimicrobial resistance an online repository for sharing of antimicrobial susceptibility data associated with whole genome sequences		3

List of Publications

1 The COMPARE Data Hubs 3