

Robert P Davey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5071801/publications.pdf>

Version: 2024-02-01

29
papers

2,473
citations

687363

13
h-index

610901

24
g-index

38
all docs

38
docs citations

38
times ranked

4232
citing authors

#	ARTICLE	IF	CITATIONS
1	Population genomics of domestic and wild yeasts. <i>Nature</i> , 2009, 458, 337-341.	27.8	1,391
2	An improved assembly and annotation of the allohexaploid wheat genome identifies complete families of agronomic genes and provides genomic evidence for chromosomal translocations. <i>Genome Research</i> , 2017, 27, 885-896.	5.5	464
3	Sequencing quality assessment tools to enable data-driven informatics for high throughput genomics. <i>Frontiers in Genetics</i> , 2013, 4, 288.	2.3	163
4	Repetitive sequence variation and dynamics in the ribosomal DNA array of <i>Saccharomyces cerevisiae</i> as revealed by whole-genome resequencing. <i>Genome Research</i> , 2009, 19, 626-635.	5.5	82
5	CropSight: a scalable and open-source information management system for distributed plant phenotyping and IoT-based crop management. <i>GigaScience</i> , 2019, 8, .	6.4	48
6	Ribosomal DNA Sequence Heterogeneity Reflects Intraspecies Phylogenies and Predicts Genome Structure in Two Contrasting Yeast Species. <i>Systematic Biology</i> , 2014, 63, 543-554.	5.6	38
7	Data management and best practice for plant science. <i>Nature Plants</i> , 2017, 3, 17086.	9.3	38
8	Standards recommendations for the Earth BioGenome Project. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	33
9	COPO: a metadata platform for brokering FAIR data in the life sciences. <i>F1000Research</i> , 0, 9, 495.	1.6	27
10	An Open Science Peer Review Oath. <i>F1000Research</i> , 2014, 3, 271.	1.6	25
11	Developing data interoperability using standards: A wheat community use case. <i>F1000Research</i> , 2017, 6, 1843.	1.6	20
12	ISA API: An open platform for interoperable life science experimental metadata. <i>GigaScience</i> , 2021, 10, .	6.4	19
13	The Open Science Peer Review Oath. <i>F1000Research</i> , 2014, 3, 271.	1.6	15
14	Developing data interoperability using standards: A wheat community use case. <i>F1000Research</i> , 2017, 6, 1843.	1.6	14
15	StatsDB: platform-agnostic storage and understanding of next generation sequencing run metrics. <i>F1000Research</i> , 2013, 2, 248.	1.6	14
16	StatsDB: platform-agnostic storage and understanding of next generation sequencing run metrics. <i>F1000Research</i> , 2013, 2, 248.	1.6	12
17	Specimen and sample metadata standards for biodiversity genomics: a proposal from the Darwin Tree of Life project. <i>Wellcome Open Research</i> , 0, 7, 187.	1.8	11
18	GeneSeqToFamily: a Galaxy workflow to find gene families based on the Ensembl Compara GeneTrees pipeline. <i>GigaScience</i> , 2018, 7, 1-10.	6.4	9

#	ARTICLE	IF	CITATIONS
19	Data management challenges for artificial intelligence in plant and agricultural research. F1000Research, 0, 10, 324.	1.6	7
20	MPP: a microarray-to-phylogeny pipeline for analysis of gene and marker content datasets. Bioinformatics, 2007, 23, 1023-1025.	4.1	4
21	Prevalence and Dynamics of Ribosomal DNA Micro-heterogeneity Are Linked to Population History in Two Contrasting Yeast Species. Scientific Reports, 2016, 6, 28555.	3.3	4
22	A Galaxy-based training resource for single-cell RNA-sequencing quality control and analyses. GigaScience, 2019, 8, .	6.4	4
23	wigExplorer, a BioJS component to visualise wig data. F1000Research, 2014, 3, 53.	1.6	4
24	TURNIP: tracking unresolved nucleotide polymorphisms in large hard-to-assemble regions of repetitive DNA sequence. Bioinformatics, 2010, 26, 2908-2909.	4.1	3
25	Colombia's cyberinfrastructure for biodiversity: Building data infrastructure in emerging countries to foster socioeconomic growth. Plants People Planet, 2020, 2, 229-236.	3.3	3
26	wigExplorer, a BioJS component to visualise wig data. F1000Research, 2014, 3, 53.	1.6	3
27	Recommendations for connecting molecular sequence and biodiversity research infrastructures through ELIXIR. F1000Research, 0, 10, 1238.	1.6	3
28	Aequatus: an open-source homology browser. GigaScience, 2018, 7, .	6.4	1
29	DNAContentViewer a BioJS component to visualise GC/AT Content. F1000Research, 0, 3, 54.	1.6	1