

Philippe Rocca-Serra

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

17,738
citations

76326

40
h-index

66911

78
g-index

98
all docs

98
docs citations

98
times ranked

30001
citing authors

#	ARTICLE	IF	CITATIONS
1	ELIXIR biovalidator for semantic validation of life science metadata. <i>Bioinformatics</i> , 2022, 38, 3141-3142.	4.1	1
2	Metabolomics: The Stethoscope for the Twenty-First Century. <i>Medical Principles and Practice</i> , 2021, 30, 301-310.	2.4	46
3	Road to effective data curation for translational research. <i>Drug Discovery Today</i> , 2021, 26, 626-630.	6.4	8
4	Barely sufficient practices in scientific computing. <i>Patterns</i> , 2021, 2, 100206.	5.9	5
5	ISA API: An open platform for interoperable life science experimental metadata. <i>GigaScience</i> , 2021, 10, .	6.4	19
6	Community standards for open cell migration data. <i>GigaScience</i> , 2020, 9, .	6.4	12
7	FAIR Principles: Interpretations and Implementation Considerations. <i>Data Intelligence</i> , 2020, 2, 10-29.	1.5	149
8	Enabling reusability of plant phenomic datasets with MIAPPE 1.1. <i>New Phytologist</i> , 2020, 227, 260-273.	7.3	84
9	The Data Tags Suite (DATS) model for discovering data access and use requirements. <i>GigaScience</i> , 2020, 9, .	6.4	9
10	Semantic concept schema of the linear mixed model of experimental observations. <i>Scientific Data</i> , 2020, 7, 70.	5.3	8
11	Helping the Consumers and Producers of Standards, Repositories and Policies to Enable FAIR Data. <i>Data Intelligence</i> , 2020, 2, 151-157.	1.5	10
12	An Open Ecosystem for Pervasive Use of Persistent Identifiers. , 2020, , .		5
13	Use cases, best practice and reporting standards for metabolomics in regulatory toxicology. <i>Nature Communications</i> , 2019, 10, 3041.	12.8	131
14	Evaluating FAIR maturity through a scalable, automated, community-governed framework. <i>Scientific Data</i> , 2019, 6, 174.	5.3	82
15	PlatformTM, a standards-based data custodianship platform for translational medicine research. <i>Scientific Data</i> , 2019, 6, 149.	5.3	5
16	mzTab-M: A Data Standard for Sharing Quantitative Results in Mass Spectrometry Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 3302-3310.	6.5	43
17	Interoperable and scalable data analysis with microservices: applications in metabolomics. <i>Bioinformatics</i> , 2019, 35, 3752-3760.	4.1	22
18	FAIRsharing as a community approach to standards, repositories and policies. <i>Nature Biotechnology</i> , 2019, 37, 358-367.	17.5	228

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19	Experiment design driven FAIRification of omics data matrices, an exemplar. <i>Scientific Data</i> , 2019, 6, 271.	5.3	14
20	PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019, 8, .	6.4	60
21	DataMed â€œ an open source discovery index for finding biomedical datasets. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 300-308.	4.4	54
22	Data discovery with DATS: exemplar adoptions and lessons learned. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 13-16.	4.4	5
23	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. <i>Analytical Chemistry</i> , 2018, 90, 649-656.	6.5	50
24	Finding useful data across multiple biomedical data repositories using DataMed. <i>Nature Genetics</i> , 2017, 49, 816-819.	21.4	77
25	DATS, the data tag suite to enable discoverability of datasets. <i>Scientific Data</i> , 2017, 4, 170059.	5.3	67
26	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	19
27	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	11
28	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data. <i>PLoS Biology</i> , 2017, 15, e2001414.	5.6	97
29	The Ontology for Biomedical Investigations. <i>PLoS ONE</i> , 2016, 11, e0154556.	2.5	217
30	BioSharing: curated and crowd-sourced metadata standards, databases and data policies in the life sciences. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw075.	3.0	84
31	Measures for interoperability of phenotypic data: minimum information requirements and formatting. <i>Plant Methods</i> , 2016, 12, 44.	4.3	109
32	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , 2016, 3, 160018.	5.3	8,670
33	MetaboLights: An Openâ€™Access Database Repository for Metabolomics Data. <i>Current Protocols in Bioinformatics</i> , 2016, 53, 14.13.1-14.13.18.	25.8	147
34	The center for expanded data annotation and retrieval. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1148-1152.	4.4	74
35	Modeling a microbial community and biodiversity assay with OBO Foundry ontologies: the interoperability gains of a modular approach. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bau132-bau132.	3.0	5
36	From Peer-Reviewed to Peer-Reproduced in Scholarly Publishing: The Complementary Roles of Data Models and Workflows in Bioinformatics. <i>PLoS ONE</i> , 2015, 10, e0127612.	2.5	27

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37	BioHackathon series in 2011 and 2012: penetration of ontology and linked data in life science domains. <i>Journal of Biomedical Semantics</i> , 2014, 5, 5.	1.6	47
38	The Risa R/Bioconductor package: integrative data analysis from experimental metadata and back again. <i>BMC Bioinformatics</i> , 2014, 15, S11.	2.6	22
39	EBI metagenomicsâ€”a new resource for the analysis and archiving of metagenomic data. <i>Nucleic Acids Research</i> , 2014, 42, D600-D606.	14.5	127
40	linkedISA: semantic representation of ISA-Tab experimental metadata. <i>BMC Bioinformatics</i> , 2014, 15, S4.	2.6	49
41	Visual Compression of Workflow Visualizations with Automated Detection of Macro Motifs. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2013, 19, 2576-2585.	4.4	19
42	OntoMaton: a Bioportal powered ontology widget for Google Spreadsheets. <i>Bioinformatics</i> , 2013, 29, 525-527.	4.1	49
43	MetaboLightsâ€”an open-access general-purpose repository for metabolomics studies and associated meta-data. <i>Nucleic Acids Research</i> , 2013, 41, D781-D786.	14.5	578
44	Standardizing data. <i>Nature Nanotechnology</i> , 2013, 8, 73-74.	31.5	19
45	Bio-GraphIn: a graph-based, integrative and semantically-enabled repository for life science experimental data. <i>EMBnet Journal</i> , 2013, 19, 46.	0.6	9
46	graph2tab, a library to convert experimental workflow graphs into tabular formats. <i>Bioinformatics</i> , 2012, 28, 1665-1667.	4.1	7
47	Toward interoperable bioscience data. <i>Nature Genetics</i> , 2012, 44, 121-126.	21.4	362
48	Taxonomy-Based Glyph Designâ€”with a Case Study on Visualizing Workflows of Biological Experiments. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2012, 18, 2603-2612.	4.4	51
49	On the evolving portfolio of community-standards and data sharing policies: turning challenges into new opportunities. <i>GigaScience</i> , 2012, 1, 10.	6.4	11
50	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. <i>Nature Biotechnology</i> , 2011, 29, 415-420.	17.5	608
51	Overcoming the ontology enrichment bottleneck with Quick Term Templates. <i>Applied Ontology</i> , 2011, 6, 13-22.	2.0	7
52	Sharing and archiving nucleic acid structure mapping data. <i>Rna</i> , 2011, 17, 1204-1212.	3.5	28
53	Meeting Report: BioSharing at ISMB 2010. <i>Standards in Genomic Sciences</i> , 2010, 3, 254-258.	1.5	19
54	Meeting Report from the Second â€œMinimum Information for Biological and Biomedical Investigationsâ€”(MIBBI) workshop. <i>Standards in Genomic Sciences</i> , 2010, 3, 259-266.	1.5	32

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55	Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. <i>Genes and Nutrition</i> , 2010, 5, 189-203.	2.5	64
56	Modeling biomedical experimental processes with OBI. <i>Journal of Biomedical Semantics</i> , 2010, 1, S7.	1.6	207
57	ISA software suite: supporting standards-compliant experimental annotation and enabling curation at the community level. <i>Bioinformatics</i> , 2010, 26, 2354-2356.	4.1	247
58	Using Pathway Signatures as Means of Identifying Similarities among Microarray Experiments. <i>PLoS ONE</i> , 2009, 4, e4128.	2.5	25
59	Standards and infrastructure for managing experimental metadata. <i>Nature Precedings</i> , 2009, , .	0.1	0
60	'Omics Data Sharing. <i>Science</i> , 2009, 326, 234-236.	12.6	136
61	Owner controlled data exchange in nutrigenomic collaborations: the NuGO information network. <i>Genes and Nutrition</i> , 2009, 4, 113-122.	2.5	5
62	Towards interoperable reporting standards for omics data: hopes and hurdles. <i>Summit on Translational Bioinformatics</i> , 2009, 2009, 112-5.	0.7	1
63	Promoting coherent minimum reporting guidelines for biological and biomedical investigations: the MIBBI project. <i>Nature Biotechnology</i> , 2008, 26, 889-896.	17.5	506
64	The carcinoGENOMICS project: Critical selection of model compounds for the development of omics-based in vitro carcinogenicity screening assays. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 202-210.	5.5	60
65	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. <i>Nature Biotechnology</i> , 2007, 25, 1251-1255.	17.5	1,955
66	Metabolomics standards initiative: ontology working group work in progress. <i>Metabolomics</i> , 2007, 3, 249-256.	3.0	52
67	Standard reporting requirements for biological samples in metabolomics experiments: mammalian/in vivo experiments. <i>Metabolomics</i> , 2007, 3, 179-188.	3.0	67
68	Standard Annotation of Environmental OMICS Data: Application to the Transcriptomics Domain. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 172-178.	2.0	21
69	A Strategy Capitalizing on Synergies: The Reporting Structure for Biological Investigation (RSBI) Working Group. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 164-171.	2.0	33
70	Data storage: bringing us a step closer to data sharing?. <i>British Journal of Nutrition</i> , 2006, 95, 1237-1239.	2.3	2
71	Wrestling with SUMO and bio-ontologies. <i>Nature Biotechnology</i> , 2006, 24, 21-21.	17.5	8
72	A simple spreadsheet-based, MIAME-supportive format for microarray data: MAGE-TAB. <i>BMC Bioinformatics</i> , 2006, 7, 489.	2.6	185

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73	Development of FuGO: An Ontology for Functional Genomics Investigations. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 199-204.	2.0	56
74	Defining best practice for microarray analyses in nutrigenomic studies. <i>British Journal of Nutrition</i> , 2005, 93, 425-432.	2.3	39
75	Chemical Effects in Biological Systemsâ€™ Data Dictionary (CEBS-DD): A Compendium of Terms for the Capture and Integration of Biological Study Design Description, Conventional Phenotypes, and Omics Data. <i>Toxicological Sciences</i> , 2005, 88, 585-601.	3.1	43
76	EnsMart: A Generic System for Fast and Flexible Access to Biological Data. <i>Genome Research</i> , 2004, 14, 160-169.	5.5	348
77	Standardization Initiatives in the (eco)toxicogenomics Domain: A Review. <i>Comparative and Functional Genomics</i> , 2004, 5, 633-641.	2.0	17
78	ArrayExpress: a public database of gene expression data at EBI. <i>Comptes Rendus - Biologies</i> , 2003, 326, 1075-1078.	0.2	69
79	ArrayExpress--a public repository for microarray gene expression data at the EBI. <i>Nucleic Acids Research</i> , 2003, 31, 68-71.	14.5	727
80	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 0, 10, 1129.	1.6	3