

Susanna-Assunta Sansone

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.

120 papers	14,298 citations	44 h-index	119 g-index
136 ext. papers	18,232 ext. citations	12.9 avg, IF	6 L-index

#	Paper	IF	Citations
120	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , 2016 , 3, 160018	8.2	4154
119	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. <i>Nature Biotechnology</i> , 2007 , 25, 1251-5	44.5	1556
118	The minimum information about a genome sequence (MIGS) specification. <i>Nature Biotechnology</i> , 2008 , 26, 541-7	44.5	964
117	ArrayExpress--a public repository for microarray gene expression data at the EBI. <i>Nucleic Acids Research</i> , 2003 , 31, 68-71	20.1	637
116	A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. <i>Nature Biotechnology</i> , 2014 , 32, 903-14	44.5	618
115	MetaboLights--an open-access general-purpose repository for metabolomics studies and associated meta-data. <i>Nucleic Acids Research</i> , 2013 , 41, D781-6	20.1	483
114	Promoting coherent minimum reporting guidelines for biological and biomedical investigations: the MIBBI project. <i>Nature Biotechnology</i> , 2008 , 26, 889-96	44.5	417
113	ArrayExpress update--from an archive of functional genomics experiments to the atlas of gene expression. <i>Nucleic Acids Research</i> , 2009 , 37, D868-72	20.1	346
112	The metabolomics standards initiative (MSI). <i>Metabolomics</i> , 2007 , 3, 175-178	4.7	304
111	Toward interoperable bioscience data. <i>Nature Genetics</i> , 2012 , 44, 121-6	36.3	286
110	The metabolomics standards initiative. <i>Nature Biotechnology</i> , 2007 , 25, 846-8	44.5	253
109	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005 , 23, 833-8	44.5	233
108	ISA software suite: supporting standards-compliant experimental annotation and enabling curation at the community level. <i>Bioinformatics</i> , 2010 , 26, 2354-6	7.2	208
107	Modeling biomedical experimental processes with OBI. <i>Journal of Biomedical Semantics</i> , 2010 , 1 Suppl 1, S7	2.2	187
106	The MGED Ontology: a resource for semantics-based description of microarray experiments. <i>Bioinformatics</i> , 2006 , 22, 866-73	7.2	152
105	The Genomic Standards Consortium. <i>PLoS Biology</i> , 2011 , 9, e1001088	9.7	143
104	The Ontology for Biomedical Investigations. <i>PLoS ONE</i> , 2016 , 11, e0154556	3.7	143

103	FAIRsharing as a community approach to standards, repositories and policies. <i>Nature Biotechnology</i> , 2019 , 37, 358-367	44.5	123
102	Megascience. 'Omics data sharing. <i>Science</i> , 2009 , 326, 234-6	33.3	117
101	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. <i>Metabolomics</i> , 2015 , 11, 1587-1597	4.7	109
100	Discovering and linking public omics data sets using the Omics Discovery Index. <i>Nature Biotechnology</i> , 2017 , 35, 406-409	44.5	105
99	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
98	Minimum information specification for in situ hybridization and immunohistochemistry experiments (MISFISHIE). <i>Nature Biotechnology</i> , 2008 , 26, 305-12	44.5	97
97	Database development in toxicogenomics: issues and efforts. <i>Environmental Health Perspectives</i> , 2004 , 112, 495-505	8.4	94
96	A design framework and exemplar metrics for FAIRness. <i>Scientific Data</i> , 2018 , 5, 180118	8.2	90
95	Establishing reporting standards for metabolomic and metabonomic studies: a call for participation. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 158-63	3.8	87
94	Data standards can boost metabolomics research, and if there is a will, there is a way. <i>Metabolomics</i> , 2016 , 12, 14	4.7	85
93	Measures for interoperability of phenotypic data: minimum information requirements and formatting. <i>Plant Methods</i> , 2016 , 12, 44	5.8	83
92	The Functional Genomics Experiment model (FuGE): an extensible framework for standards in functional genomics. <i>Nature Biotechnology</i> , 2007 , 25, 1127-33	44.5	81
91	Standard reporting requirements for biological samples in metabolomics experiments: environmental context. <i>Metabolomics</i> , 2007 , 3, 203-210	4.7	78
90	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,	5	71
89	FAIR Principles: Interpretations and Implementation Considerations. <i>Data Intelligence</i> , 2020 , 2, 10-29	3	66
88	MetaboLights: towards a new COSMOS of metabolomics data management. <i>Metabolomics</i> , 2012 , 8, 757-760	7.6	64
87	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	9.7	63
86	ArrayExpress: a public database of gene expression data at EBI. <i>Comptes Rendus - Biologies</i> , 2003 , 326, 1075-8	1.4	58

85	The center for expanded data annotation and retrieval. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 1148-52	8.6	56
84	Data standards for Omics data: the basis of data sharing and reuse. <i>Methods in Molecular Biology</i> , 2011 , 719, 31-69	1.4	52
83	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, 202-10	7	50
82	Finding useful data across multiple biomedical data repositories using DataMed. <i>Nature Genetics</i> , 2017 , 49, 816-819	36.3	48
81	The genomic standards consortium: bringing standards to life for microbial ecology. <i>ISME Journal</i> , 2011 , 5, 1565-7	11.9	48
80	A sea of standards for omics data: sink or swim?. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 200-3	8.6	45
79	Development of FuGO: an ontology for functional genomics investigations. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 199-204	3.8	45
78	Enabling reusability of plant phenomic datasets with MIAPPE 1.1. <i>New Phytologist</i> , 2020 , 227, 260-273	9.8	42
77	DATS, the data tag suite to enable discoverability of datasets. <i>Scientific Data</i> , 2017 , 4, 170059	8.2	42
76	Evaluating FAIR maturity through a scalable, automated, community-governed framework. <i>Scientific Data</i> , 2019 , 6, 174	8.2	41
75	Metabolomics standards initiative: ontology working group work in progress. <i>Metabolomics</i> , 2007 , 3, 249-256	4.7	41
74	PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019 , 8,	7.6	41
73	The MetaboLights repository: curation challenges in metabolomics. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat029	5	40
72	Survey-based naming conventions for use in OBO Foundry ontology development. <i>BMC Bioinformatics</i> , 2009 , 10, 125	3.6	39
71	linkedISA: semantic representation of ISA-Tab experimental metadata. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 14, S4	3.6	37
70	OntoMaton: a bioportal powered ontology widget for Google Spreadsheets. <i>Bioinformatics</i> , 2013 , 29, 525-7	7.2	37
69	Taxonomy-Based Glyph Design—with a Case Study on Visualizing Workflows of Biological Experiments. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2012 , 18, 2603-12	4	35
68	A Special Issue on Data Standards. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 84-93	3.8	35

67	Defining best practice for microarray analyses in nutrigenomic studies. <i>British Journal of Nutrition</i> , 2005 , 93, 425-32	3.6	32
66	Toward a standards-compliant genomic and metagenomic publication record. <i>OMICS A Journal of Integrative Biology</i> , 2008 , 12, 157-60	3.8	31
65	COVID-19 pandemic reveals the peril of ignoring metadata standards. <i>Scientific Data</i> , 2020 , 7, 188	8.2	30
64	DataMed - an open source discovery index for finding biomedical datasets. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 300-308	8.6	27
63	A strategy capitalizing on synergies: the Reporting Structure for Biological Investigation (RSBI) working group. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 164-71	3.8	27
62	Meeting Report from the Second "Minimum Information for Biological and Biomedical Investigations" (MIBBI) workshop. <i>Standards in Genomic Sciences</i> , 2010 , 3, 259-66		26
61	Toward unrestricted use of public genomic data. <i>Science</i> , 2019 , 363, 350-352	33.3	25
60	The international MAQC Society launches to enhance reproducibility of high-throughput technologies. <i>Nature Biotechnology</i> , 2017 , 35, 1127-1128	44.5	23
59	The Stem Cell Discovery Engine: an integrated repository and analysis system for cancer stem cell comparisons. <i>Nucleic Acids Research</i> , 2012 , 40, D984-91	20.1	20
58	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021 , 27, 1885-1892	50.5	19
57	Standardizing data. <i>Nature Nanotechnology</i> , 2013 , 8, 73-4	28.7	18
56	Annotation of environmental OMICS data: application to the transcriptomics domain. <i>OMICS A Journal of Integrative Biology</i> , 2006 , 10, 172-8	3.8	18
55	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017 , 6,	3.6	18
54	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	3.7	18
53	FAIRshake: Toolkit to Evaluate the FAIRness of Research Digital Resources. <i>Cell Systems</i> , 2019 , 9, 417-421	10.6	17
52	Empowering industrial research with shared biomedical vocabularies. <i>Drug Discovery Today</i> , 2011 , 16, 940-7	8.8	16
51	Interoperable and scalable data analysis with microservices: applications in metabolomics. <i>Bioinformatics</i> , 2019 , 35, 3752-3760	7.2	15
50	Visual compression of workflow visualizations with automated detection of macro motifs. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2013 , 19, 2576-85	4	15

49	The Risa R/Bioconductor package: integrative data analysis from experimental metadata and back again. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 1, S11	3.6	15
48	Standardization Initiatives in the (eco)toxicogenomics domain: a review. <i>Comparative and Functional Genomics</i> , 2004 , 5, 633-41		14
47	Standards for microarray data: an open letter. <i>Environmental Health Perspectives</i> , 2004 , 112, A666-7	8.4	13
46	Publishing descriptions of non-public clinical datasets: proposed guidance for researchers, repositories, editors and funding organisations. <i>Research Integrity and Peer Review</i> , 2016 , 1, 6	6.1	12
45	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017 , 6, 1649	3.6	10
44	Community standards for open cell migration data. <i>GigaScience</i> , 2020 , 9,	7.6	9
43	COPO: a metadata platform for brokering FAIR data in the life sciences. <i>F1000Research</i> , 2019 , 9, 495	3.6	8
42	TeSS: a platform for discovering life-science training opportunities. <i>Bioinformatics</i> , 2020 , 36, 3290-3291	7.2	7
41	Developing a strategy for computational lab skills training through Software and Data Carpentry: Experiences from the ELIXIR Pilot action. <i>F1000Research</i> , 2017 , 6,	3.6	7
40	Experiment design driven FAIRification of omics data matrices, an exemplar. <i>Scientific Data</i> , 2019 , 6, 271	8.2	7
39	The Metadata Coverage Index (MCI): A standardized metric for quantifying database metadata richness. <i>Standards in Genomic Sciences</i> , 2012 , 6, 438-47		6
38	Wrestling with SUMO and bio-ontologies. <i>Nature Biotechnology</i> , 2006 , 24, 21-2; author reply 23	44.5	6
37	Helping the Consumers and Producers of Standards, Repositories and Policies to Enable FAIR Data. <i>Data Intelligence</i> , 2020 , 2, 151-157	3	6
36	Bio-GraphIn: a graph-based, integrative and semantically-enabled repository for life science experimental data. <i>EMBnet Journal</i> , 2013 , 19, 46	2.3	6
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,	5	5
34	High-quality science requires high-quality open data infrastructure. <i>Scientific Data</i> , 2018 , 5, 180027	8.2	5
33	FAIRsharing, a cohesive community approach to the growth in standards, repositories and policies		5
32	Evaluating FAIR-Compliance Through an Objective, Automated, Community-Governed Framework		5

31	BioSharing: Harnessing Metadata Standards for the Data Commons		5
30	Consent insufficient for data release-Response. <i>Science</i> , 2019 , 364, 446	33.3	4
29	Data discovery with DATS: exemplar adoptions and lessons learned. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 13-16	8.6	4
28	Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. <i>Nature Precedings</i> , 2009 ,		4
27	Overcoming the ontology enrichment bottleneck with Quick Term Templates. <i>Applied Ontology</i> , 2011 , 6, 13-22	1.4	4
26	FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. <i>Data Intelligence</i> , 2020 , 2, 158-170	3	4
25	Foreword to the special issue on the Fifth Genomic Standards consortium workshop. <i>OMICS A Journal of Integrative Biology</i> , 2008 , 12, 99	3.8	3
24	Community Standards for Open Cell Migration Data		3
23	Evaluating FAIR Maturity Through a Scalable, Automated, Community-Governed Framework		3
22	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
21	Interoperable and scalable data analysis with microservices: Applications in Metabolomics		2
20	Publishing descriptions of non-public clinical datasets: guidance for researchers, repositories, editors and funding organisations		2
19	Omics Discovery Index - Discovering and Linking Public Omics Datasets		2
18	A design framework and exemplar metrics for FAIRness		2
17	FAIRshake: toolkit to evaluate the findability, accessibility, interoperability, and reusability of research digital resources		2
16	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. <i>Wellcome Open Research</i> , 2020 , 5, 267	4.8	2
15	ISA API: An open platform for interoperable life science experimental metadata. <i>GigaScience</i> , 2021 , 10,	7.6	2
14	Semantic concept schema of the linear mixed model of experimental observations. <i>Scientific Data</i> , 2020 , 7, 70	8.2	1

13	CEDAR 2018 ,		1
12	Conceptualizing a Genomics Software Institute (GSI). <i>Standards in Genomic Sciences</i> , 2012 , 6, 136-44		1
11	Report of the 13(th) Genomic Standards Consortium Meeting, Shenzhen, China, March 4-7, 2012. <i>Standards in Genomic Sciences</i> , 2012 , 6, 276-86		1
10	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. <i>Wellcome Open Research</i> , 2020 , 5, 267	4.8	1
9	Towards interoperable reporting standards for omics data: hopes and hurdles. <i>Summit on Translational Bioinformatics</i> , 2009 , 2009, 112-5		1
8	PhenoMeNal: Processing and analysis of Metabolomics data in the Cloud		1
7	COPO: a metadata platform for brokering FAIR data in the life sciences		1
6	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data		1
5	FAIRsharing: Data and Metadata Standards and Data Policies for Biomedical Research 2021 , 544-546		1
4	Investigation-Study-Assay, a toolkit for standardizing data capture and sharing 2012 , 173-188		0
3	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 2021 , 10, 1129	3.6	0
2	Orchestrating and sharing large multimodal data for transparent and reproducible research. <i>Nature Communications</i> , 2021 , 12, 5797	17.4	0
1	Selected papers from the 15th Annual Bio-Ontologies Special Interest Group Meeting. <i>Journal of Biomedical Semantics</i> , 2013 , 4 Suppl 1, I1	2.2	