Susanna-Assunta Sansone

List of Publications by Year in Descending Order

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	ELIXIR and Toxicology: a community in development. *F1000Research*, **2021**, 10, 1129	3.6	0
119	Reporting guidelines for human microbiome research: the STORMS checklist. *Nature Medicine*, **2021**, 27, 1885-1892	50.5	19
118	Orchestrating and sharing large multimodal data for transparent and reproducible research. *Nature Communications*, **2021**, 12, 5797	17.4	0
117	FAIRsharing: Data and Metadata Standards and Data Policies for Biomedical Research **2021**, 544-546		1
116	ISA API: An open platform for interoperable life science experimental metadata. *GigaScience*, **2021**, 10,	7.6	2
115	FAIR Principles: Interpretations and Implementation Considerations. *Data Intelligence*, **2020**, 2, 10-29	3	66
114	COVID-19 pandemic reveals the peril of ignoring metadata standards. *Scientific Data*, **2020**, 7, 188	8.2	30
113	TeSS: a platform for discovering life-science training opportunities. *Bioinformatics*, **2020**, 36, 3290-3291	7.2	7
112	Enabling reusability of plant phenomic datasets with MIAPPE 1.1. *New Phytologist*, **2020**, 227, 260-273	9.8	42
111	Semantic concept schema of the linear mixed model of experimental observations. *Scientific Data*, **2020**, 7, 70	8.2	1
110	Helping the Consumers and Producers of Standards, Repositories and Policies to Enable FAIR Data. *Data Intelligence*, **2020**, 2, 151-157	3	6
109	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. *Wellcome Open Research*, **2020**, 5, 267	4.8	1
108	FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. *Data Intelligence*, **2020**, 2, 158-170	3	4
107	Community standards for open cell migration data. *GigaScience*, **2020**, 9,	7.6	9
106	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. *Wellcome Open Research*, **2020**, 5, 267	4.8	2
105	Toward unrestricted use of public genomic data. *Science*, **2019**, 363, 350-352	33.3	25
104	Consent insufficient for data release-Response. *Science*, **2019**, 364, 446	33.3	4

103	Interoperable and scalable data analysis with microservices: applications in metabolomics. *Bioinformatics*, **2019**, 35, 3752-3760	7.2	15
102	FAIRsharing as a community approach to standards, repositories and policies. *Nature Biotechnology*, **2019**, 37, 358-367	44.5	123
101	Evaluating FAIR maturity through a scalable, automated, community-governed framework. *Scientific Data*, **2019**, 6, 174	8.2	41
100	FAIRshake: Toolkit to Evaluate the FAIRness of Research Digital Resources. *Cell Systems*, **2019**, 9, 417-421	10.6	17
99	Experiment design driven FAIRification of omics data matrices, an exemplar. *Scientific Data*, **2019**, 6, 271	8.2	7
98	PhenoMeNal: processing and analysis of metabolomics data in the cloud. *GigaScience*, **2019**, 8,	7.6	41
97	DataMed - an open source discovery index for finding biomedical datasets. *Journal of the American Medical Informatics Association: JAMIA*, **2018**, 25, 300-308	8.6	27
96	Data discovery with DATS: exemplar adoptions and lessons learned. *Journal of the American Medical Informatics Association: JAMIA*, **2018**, 25, 13-16	8.6	4
95	CEDAR **2018**,		1
94	High-quality science requires high-quality open data infrastructure. *Scientific Data*, **2018**, 5, 180027	8.2	5
93	A design framework and exemplar metrics for FAIRness. *Scientific Data*, **2018**, 5, 180118	8.2	90
92	Discovering and linking public omics data sets using the Omics Discovery Index. *Nature Biotechnology*, **2017**, 35, 406-409	44.5	105
91	Finding useful data across multiple biomedical data repositories using DataMed. *Nature Genetics*, **2017**, 49, 816-819	36.3	48
90	DATS, the data tag suite to enable discoverability of datasets. *Scientific Data*, **2017**, 4, 170059	8.2	42
89	The international MAQC Society launches to enhance reproducibility of high-throughput technologies. *Nature Biotechnology*, **2017**, 35, 1127-1128	44.5	23
88	Developing a strategy for computational lab skills training through Software and Data Carpentry: Experiences from the ELIXIR Pilot action. *F1000Research*, **2017**, 6,	3.6	7
87	The future of metabolomics in ELIXIR. *F1000Research*, **2017**, 6,	3.6	18
86	The future of metabolomics in ELIXIR. *F1000Research*, **2017**, 6, 1649	3.6	10

85	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data. *PLoS Biology*, **2017**, 15, e2001414	9.7	63
84	Publishing descriptions of non-public clinical datasets: proposed guidance for researchers, repositories, editors and funding organisations. *Research Integrity and Peer Review*, **2016**, 1, 6	6.1	12
83	Data standards can boost metabolomics research, and if there is a will, there is a way. *Metabolomics* , **2016**, 12, 14	4.7	85
82	The Ontology for Biomedical Investigations. *PLoS ONE*, **2016**, 11, e0154556	3.7	143
81	BioSharing: curated and crowd-sourced metadata standards, databases and data policies in the life sciences. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	71
80	Measures for interoperability of phenotypic data: minimum information requirements and formatting. *Plant Methods*, **2016**, 12, 44	5.8	83
79	The FAIR Guiding Principles for scientific data management and stewardship. *Scientific Data*, **2016**, 3, 160018	8.2	4154
78	The center for expanded data annotation and retrieval. *Journal of the American Medical Informatics Association: JAMIA*, **2015**, 22, 1148-52	8.6	56
77	Modeling a microbial community and biodiversity assay with OBO Foundry ontologies: the interoperability gains of a modular approach. *Database: the Journal of Biological Databases and Curation*, **2015**, 2015,	5	5
76	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. *Metabolomics*, **2015**, 11, 1587-1597	4.7	109
75	From Peer-Reviewed to Peer-Reproduced in Scholarly Publishing: The Complementary Roles of Data Models and Workflows in Bioinformatics. *PLoS ONE*, **2015**, 10, e0127612	3.7	18
74	EBI metagenomics--a new resource for the analysis and archiving of metagenomic data. *Nucleic Acids Research*, **2014**, 42, D600-6	20.1	104
73	A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. *Nature Biotechnology*, **2014**, 32, 903-14	44.5	618
72	linkedISA: semantic representation of ISA-Tab experimental metadata. *BMC Bioinformatics*, **2014**, 15 Suppl 14, S4	3.6	37
71	A sea of standards for omics data: sink or swim?. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 200-3	8.6	45
70	The Risa R/Bioconductor package: integrative data analysis from experimental metadata and back again. *BMC Bioinformatics*, **2014**, 15 Suppl 1, S11	3.6	15
69	Selected papers from the 15th Annual Bio-Ontologies Special Interest Group Meeting. *Journal of Biomedical Semantics*, **2013**, 4 Suppl 1, I1	2.2	
68	Visual compression of workflow visualizations with automated detection of macro motifs. *IEEE Transactions on Visualization and Computer Graphics*, **2013**, 19, 2576-85	4	15

67	OntoMaton: a bioportal powered ontology widget for Google Spreadsheets. *Bioinformatics*, **2013**, 29, 525-7	7.2	37
66	MetaboLights--an open-access general-purpose repository for metabolomics studies and associated meta-data. *Nucleic Acids Research*, **2013**, 41, D781-6	20.1	483
65	The MetaboLights repository: curation challenges in metabolomics. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat029	5	40
64	Standardizing data. *Nature Nanotechnology*, **2013**, 8, 73-4	28.7	18
63	Bio-GraphIIn: a graph-based, integrative and semantically-enabled repository for life science experimental data. *EMBnet Journal*, **2013**, 19, 46	2.3	6
62	MetaboLights: towards a new COSMOS of metabolomics data management. *Metabolomics*, **2012**, 8, 757-760	4.7	64
61	Taxonomy-Based Glyph Design—with a Case Study on Visualizing Workflows of Biological Experiments. *IEEE Transactions on Visualization and Computer Graphics*, **2012**, 18, 2603-12	4	35
60	The Stem Cell Discovery Engine: an integrated repository and analysis system for cancer stem cell comparisons. *Nucleic Acids Research*, **2012**, 40, D984-91	20.1	20
59	Toward interoperable bioscience data. *Nature Genetics*, **2012**, 44, 121-6	36.3	286
58	Investigation-Study-Assay, a toolkit for standardizing data capture and sharing **2012**, 173-188		0
57	The Metadata Coverage Index (MCI): A standardized metric for quantifying database metadata richness. *Standards in Genomic Sciences*, **2012**, 6, 438-47		6
56	Conceptualizing a Genomics Software Institute (GSI). *Standards in Genomic Sciences*, **2012**, 6, 136-44		1
55	Report of the 13(th) Genomic Standards Consortium Meeting, Shenzhen, China, March 4-7, 2012. *Standards in Genomic Sciences*, **2012**, 6, 276-86		1
54	Data standards for Omics data: the basis of data sharing and reuse. *Methods in Molecular Biology*, **2011**, 719, 31-69	1.4	52
53	The genomic standards consortium: bringing standards to life for microbial ecology. *ISME Journal*, **2011**, 5, 1565-7	11.9	48
52	Empowering industrial research with shared biomedical vocabularies. *Drug Discovery Today*, **2011**, 16, 940-7	8.8	16
51	Overcoming the ontology enrichment bottleneck with Quick Term Templates. *Applied Ontology*, **2011**, 6, 13-22	1.4	4
50	The Genomic Standards Consortium. *PLoS Biology*, **2011**, 9, e1001088	9.7	143

49	ISA software suite: supporting standards-compliant experimental annotation and enabling curation at the community level. *Bioinformatics*, **2010**, 26, 2354-6	7.2	208
48	Meeting Report from the Second "Minimum Information for Biological and Biomedical Investigations" (MIBBI) workshop. *Standards in Genomic Sciences*, **2010**, 3, 259-66		26
47	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
46	Modeling biomedical experimental processes with OBI. *Journal of Biomedical Semantics*, **2010**, 1 Suppl 1, S7	2.2	187
45	Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. *Nature Precedings*, **2009**,		4
44	ArrayExpress update--from an archive of functional genomics experiments to the atlas of gene expression. *Nucleic Acids Research*, **2009**, 37, D868-72	20.1	346
43	Survey-based naming conventions for use in OBO Foundry ontology development. *BMC Bioinformatics*, **2009**, 10, 125	3.6	39
42	Megascience. 'Omics data sharing. *Science*, **2009**, 326, 234-6	33.3	117
41	Towards interoperable reporting standards for omics data: hopes and hurdles. *Summit on Translational Bioinformatics*, **2009**, 2009, 112-5		1
40	Promoting coherent minimum reporting guidelines for biological and biomedical investigations: the MIBBI project. *Nature Biotechnology*, **2008**, 26, 889-96	44.5	417
39	The minimum information about a genome sequence (MIGS) specification. *Nature Biotechnology*, **2008**, 26, 541-7	44.5	964
38	Minimum information specification for in situ hybridization and immunohistochemistry experiments (MISFISHIE). *Nature Biotechnology*, **2008**, 26, 305-12	44.5	97
37	The carcinoGENOMICS project: critical selection of model compounds for the development of omics-based in vitro carcinogenicity screening assays. *Mutation Research - Reviews in Mutation Research*, **2008**, 659, 202-10	7	50
36	Toward a standards-compliant genomic and metagenomic publication record. *OMICS A Journal of Integrative Biology*, **2008**, 12, 157-60	3.8	31
35	Foreword to the special issue on the Fifth Genomic Standards consortium workshop. *OMICS A Journal of Integrative Biology*, **2008**, 12, 99	3.8	3
34	The metabolomics standards initiative. *Nature Biotechnology*, **2007**, 25, 846-8	44.5	253
33	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. *Nature Biotechnology*, **2007**, 25, 1251-5	44.5	1556
32	The Functional Genomics Experiment model (FuGE): an extensible framework for standards in functional genomics. *Nature Biotechnology*, **2007**, 25, 1127-33	44.5	81

31	Standard reporting requirements for biological samples in metabolomics experiments: environmental context. *Metabolomics*, **2007**, 3, 203-210	4.7	78
30	Metabolomics standards initiative: ontology working group work in progress. *Metabolomics*, **2007**, 3, 249-256	4.7	41
29	The metabolomics standards initiative (MSI). *Metabolomics*, **2007**, 3, 175-178	4.7	304
28	The MGED Ontology: a resource for semantics-based description of microarray experiments. *Bioinformatics*, **2006**, 22, 866-73	7.2	152
27	Development of FuGO: an ontology for functional genomics investigations. *OMICS A Journal of Integrative Biology*, **2006**, 10, 199-204	3.8	45
26	Establishing reporting standards for metabolomic and metabonomic studies: a call for participation. *OMICS A Journal of Integrative Biology*, **2006**, 10, 158-63	3.8	87
25	Annotation of environmental OMICS data: application to the transcriptomics domain. *OMICS A Journal of Integrative Biology*, **2006**, 10, 172-8	3.8	18
24	A strategy capitalizing on synergies: the Reporting Structure for Biological Investigation (RSBI) working group. *OMICS A Journal of Integrative Biology*, **2006**, 10, 164-71	3.8	27
23	A Special Issue on Data Standards. *OMICS A Journal of Integrative Biology*, **2006**, 10, 84-93	3.8	35
22	Wrestling with SUMO and bio-ontologies. *Nature Biotechnology*, **2006**, 24, 21-2; author reply 23	44.5	6
21	Defining best practice for microarray analyses in nutrigenomic studies. *British Journal of Nutrition*, **2005**, 93, 425-32	3.6	32
20	Summary recommendations for standardization and reporting of metabolic analyses. *Nature Biotechnology*, **2005**, 23, 833-8	44.5	233
19	Standards for microarray data: an open letter. *Environmental Health Perspectives*, **2004**, 112, A666-7	8.4	13
18	Database development in toxicogenomics: issues and efforts. *Environmental Health Perspectives*, **2004**, 112, 495-505	8.4	94
17	Standardization Initiatives in the (eco)toxicogenomics domain: a review. *Comparative and Functional Genomics*, **2004**, 5, 633-41		14
16	ArrayExpress: a public database of gene expression data at EBI. *Comptes Rendus - Biologies*, **2003**, 326, 1075-8	1.4	58
15	ArrayExpress--a public repository for microarray gene expression data at the EBI. *Nucleic Acids Research*, **2003**, 31, 68-71	20.1	637
14	COPO: a metadata platform for brokering FAIR data in the life sciences. *F1000Research*,9, 495	3.6	8

13	Interoperable and scalable data analysis with microservices: Applications in Metabolomics	2
12	PhenoMeNal: Processing and analysis of Metabolomics data in the Cloud	1
11	COPO: a metadata platform for brokering FAIR data in the life sciences	1
10	Community Standards for Open Cell Migration Data	3
9	Publishing descriptions of non-public clinical datasets: guidance for researchers, repositories, editors and funding organisations	2
8	Omics Discovery Index - Discovering and Linking Public Omics Datasets	2
7	A design framework and exemplar metrics for FAIRness	2
6	FAIRsharing, a cohesive community approach to the growth in standards, repositories and policies	5
5	Evaluating FAIR-Compliance Through an Objective, Automated, Community-Governed Framework	5
4	Evaluating FAIR Maturity Through a Scalable, Automated, Community-Governed Framework	3
3	FAIRshake: toolkit to evaluate the findability, accessibility, interoperability, and reusability of research digital resources	2
2	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data	1
1	BioSharing: Harnessing Metadata Standards for the Data Commons	5