

Susanna-Assunta Sansone

List of Publications by Year in descending order

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112
papers

21,858
citations

41344
49
h-index

24258
110
g-index

136
all docs

136
docs citations

136
times ranked

34163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | FAIRsharing: Data and Metadata Standards and Data Policies for Biomedical Research. , 2021, , 544-546. | | 1 |
| 2 | Barely sufficient practices in scientific computing. Patterns, 2021, 2, 100206. | 5.9 | 5 |
| 3 | ISA API: An open platform for interoperable life science experimental metadata. GigaScience, 2021, 10, . | 6.4 | 19 |
| 4 | Orchestrating and sharing large multimodal data for transparent and reproducible research. Nature Communications, 2021, 12, 5797. | 12.8 | 10 |
| 5 | Reporting guidelines for human microbiome research: the STORMS checklist. Nature Medicine, 2021, 27, 1885-1892. | 30.7 | 170 |
| 6 | FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. Data Intelligence, 2020, 2, 158-170. | 1.5 | 10 |
| 7 | Community standards for open cell migration data. GigaScience, 2020, 9, . | 6.4 | 12 |
| 8 | FAIR Principles: Interpretations and Implementation Considerations. Data Intelligence, 2020, 2, 10-29. | 1.5 | 149 |
| 9 | COVID-19 pandemic reveals the peril of ignoring metadata standards. Scientific Data, 2020, 7, 188. | 5.3 | 56 |
| 10 | TeSS: a platform for discovering life-science training opportunities. Bioinformatics, 2020, 36, 3290-3291. | 4.1 | 15 |
| 11 | Enabling reusability of plant phenomic datasets with MIAPPE 1.1. New Phytologist, 2020, 227, 260-273. | 7.3 | 84 |
| 12 | Semantic concept schema of the linear mixed model of experimental observations. Scientific Data, 2020, 7, 70. | 5.3 | 8 |
| 13 | Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. Wellcome Open Research, 2020, 5, 267. | 1.8 | 11 |
| 14 | Helping the Consumers and Producers of Standards, Repositories and Policies to Enable FAIR Data. Data Intelligence, 2020, 2, 151-157. | 1.5 | 10 |
| 15 | Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. Wellcome Open Research, 2020, 5, 267. | 1.8 | 6 |
| 16 | Evaluating FAIR maturity through a scalable, automated, community-governed framework. Scientific Data, 2019, 6, 174. | 5.3 | 82 |
| 17 | Toward unrestricted use of public genomic data. Science, 2019, 363, 350-352. | 12.6 | 45 |
| 18 | Consent insufficient for data release—Response. Science, 2019, 364, 446-446. | 12.6 | 5 |

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|----|---|------|-----------|
| 19 | Interoperable and scalable data analysis with microservices: applications in metabolomics. <i>Bioinformatics</i> , 2019, 35, 3752-3760. | 4.1 | 22 |
| 20 | FAIRsharing as a community approach to standards, repositories and policies. <i>Nature Biotechnology</i> , 2019, 37, 358-367. | 17.5 | 228 |
| 21 | FAIRshake: Toolkit to Evaluate the FAIRness of Research Digital Resources. <i>Cell Systems</i> , 2019, 9, 417-421. | 6.2 | 33 |
| 22 | Experiment design driven FAIRification of omics data matrices, an exemplar. <i>Scientific Data</i> , 2019, 6, 271. | 5.3 | 14 |
| 23 | PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019, 8, . | 6.4 | 60 |
| 24 | DataMed “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 |
| 25 | 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 |
| 26 | CEDAR. , 2018, , . | | 3 |
| 27 | High-quality science requires high-quality open data infrastructure. <i>Scientific Data</i> , 2018, 5, 180027. | 5.3 | 6 |
| 28 | A design framework and exemplar metrics for FAIRness. <i>Scientific Data</i> , 2018, 5, 180118. | 5.3 | 145 |
| 29 | Discovering and linking public omics data sets using the Omics Discovery Index. <i>Nature Biotechnology</i> , 2017, 35, 406-409. | 17.5 | 159 |
| 30 | Finding useful data across multiple biomedical data repositories using DataMed. <i>Nature Genetics</i> , 2017, 49, 816-819. | 21.4 | 77 |
| 31 | DATS, the data tag suite to enable discoverability of datasets. <i>Scientific Data</i> , 2017, 4, 170059. | 5.3 | 67 |
| 32 | The international MAQC Society launches to enhance reproducibility of high-throughput technologies. <i>Nature Biotechnology</i> , 2017, 35, 1127-1128. | 17.5 | 32 |
| 33 | Developing a strategy for computational lab skills training through Software and Data Carpentry: Experiences from the ELIXIR Pilot action. <i>F1000Research</i> , 2017, 6, 1040. | 1.6 | 8 |
| 34 | The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649. | 1.6 | 19 |
| 35 | The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649. | 1.6 | 11 |
| 36 | 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 |

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| 37 | The Ontology for Biomedical Investigations. PLoS ONE, 2016, 11, e0154556. | 2.5 | 217 |
| 38 | 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, baw075. | 3.0 | 84 |
| 39 | Measures for interoperability of phenotypic data: minimum information requirements and formatting. Plant Methods, 2016, 12, 44. | 4.3 | 109 |
| 40 | The FAIR Guiding Principles for scientific data management and stewardship. Scientific Data, 2016, 3, 160018. | 5.3 | 8,670 |
| 41 | Publishing descriptions of non-public clinical datasets: proposed guidance for researchers, repositories, editors and funding organisations. Research Integrity and Peer Review, 2016, 1, 6. | 5.2 | 16 |
| 42 | Data standards can boost metabolomics research, and if there is a will, there is a way. Metabolomics, 2016, 12, 14. | 3.0 | 97 |
| 43 | COordination of Standards in MetabOlomics (COSMOS): facilitating integrated metabolomics data access. Metabolomics, 2015, 11, 1587-1597. | 3.0 | 140 |
| 44 | The center for expanded data annotation and retrieval. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1148-1152. | 4.4 | 74 |
| 45 | 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, bau132-bau132. | 3.0 | 5 |
| 46 | From Peer-Reviewed to Peer-Reproduced in Scholarly Publishing: The Complementary Roles of Data Models and Workflows in Bioinformatics. PLoS ONE, 2015, 10, e0127612. | 2.5 | 27 |
| 47 | A sea of standards for omics data: sink or swim?. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 200-203. | 4.4 | 52 |
| 48 | The founding charter of the Genomic Observatories Network. GigaScience, 2014, 3, 2. | 6.4 | 51 |
| 49 | The Risa R/Bioconductor package: integrative data analysis from experimental metadata and back again. BMC Bioinformatics, 2014, 15, S11. | 2.6 | 22 |
| 50 | EBI metagenomicsâ€”a new resource for the analysis and archiving of metagenomic data. Nucleic Acids Research, 2014, 42, D600-D606. | 14.5 | 127 |
| 51 | A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. Nature Biotechnology, 2014, 32, 903-914. | 17.5 | 883 |
| 52 | linkedISA: semantic representation of ISA-Tab experimental metadata. BMC Bioinformatics, 2014, 15, S4. | 2.6 | 49 |
| 53 | Selected papers from the 15th Annual Bio-Ontologies Special Interest Group Meeting. Journal of Biomedical Semantics, 2013, 4, 11. | 1.6 | 0 |
| 54 | Visual Compression of Workflow Visualizations with Automated Detection of Macro Motifs. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2576-2585. | 4.4 | 19 |

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|----|---|------|-----------|
| 55 | OntoMaton: a Bioportal powered ontology widget for Google Spreadsheets. Bioinformatics, 2013, 29, 525-527. | 4.1 | 49 |
| 56 | MetaboLights“an open-access general-purpose repository for metabolomics studies and associated meta-data. Nucleic Acids Research, 2013, 41, D781-D786. | 14.5 | 578 |
| 57 | The MetaboLights repository: curation challenges in metabolomics. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat029. | 3.0 | 46 |
| 58 | Standardizing data. Nature Nanotechnology, 2013, 8, 73-74. | 31.5 | 19 |
| 59 | Bio-GraphIn: a graph-based, integrative and semantically-enabled repository for life science experimental data. EMBnet Journal, 2013, 19, 46. | 0.6 | 9 |
| 60 | The Stem Cell Discovery Engine: an integrated repository and analysis system for cancer stem cell comparisons. Nucleic Acids Research, 2012, 40, D984-D991. | 14.5 | 29 |
| 61 | Toward interoperable bioscience data. Nature Genetics, 2012, 44, 121-126. | 21.4 | 362 |
| 62 | Investigation-Study-Assay, a toolkit for standardizing data capture and sharing. , 2012, , 173-188. | | 1 |
| 63 | The Metadata Coverage Index (MCI): A standardized metric for quantifying database metadata richness. Standards in Genomic Sciences, 2012, 6, 444-453. | 1.5 | 8 |
| 64 | Conceptualizing a Genomics Software Institute (GSI). Standards in Genomic Sciences, 2012, 6, 136-144. | 1.5 | 1 |
| 65 | Report of the 13th Genomic Standards Consortium Meeting, Shenzhen, China, March 4“7, 2012.. Standards in Genomic Sciences, 2012, 6, 276-286. | 1.5 | 3 |
| 66 | MetaboLights: towards a new COSMOS of metabolomics data management. Metabolomics, 2012, 8, 757-760. | 3.0 | 79 |
| 67 | Taxonomy-Based Glyph Design“with a Case Study on Visualizing Workflows of Biological Experiments. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2603-2612. | 4.4 | 51 |
| 68 | On the evolving portfolio of community-standards and data sharing policies: turning challenges into new opportunities. GigaScience, 2012, 1, 10. | 6.4 | 11 |
| 69 | Data Standards for Omics Data: The Basis of Data Sharing and Reuse. Methods in Molecular Biology, 2011, 719, 31-69. | 0.9 | 73 |
| 70 | The genomic standards consortium: bringing standards to life for microbial ecology. ISME Journal, 2011, 5, 1565-1567. | 9.8 | 59 |
| 71 | Empowering industrial research with shared biomedical vocabularies. Drug Discovery Today, 2011, 16, 940-947. | 6.4 | 20 |
| 72 | Towards BioDBcore: a community-defined information specification for biological databases. Database: the Journal of Biological Databases and Curation, 2011, 2011, baq027-baq027. | 3.0 | 30 |

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| 73 | Towards BioDBcore: a community-defined information specification for biological databases. Nucleic Acids Research, 2011, 39, D7-D10. | 14.5 | 32 |
| 74 | Overcoming the ontology enrichment bottleneck with Quick Term Templates. Applied Ontology, 2011, 6, 13-22. | 2.0 | 7 |
| 75 | The Genomic Standards Consortium. PLoS Biology, 2011, 9, e1001088. | 5.6 | 180 |
| 76 | Meeting Report from the Second "Minimum Information for Biological and Biomedical Investigations" (MIBBI) workshop. Standards in Genomic Sciences, 2010, 3, 259-266. | 1.5 | 32 |
| 77 | Meeting Report: "Metagenomics, Metadata and Meta-analysis" (M3) Workshop at the Pacific Symposium on Biocomputing 2010. Standards in Genomic Sciences, 2010, 2, 357-360. | 1.5 | 2 |
| 78 | Modeling biomedical experimental processes with OBI. Journal of Biomedical Semantics, 2010, 1, S7. | 1.6 | 207 |
| 79 | ISA software suite: supporting standards-compliant experimental annotation and enabling curation at the community level. Bioinformatics, 2010, 26, 2354-2356. | 4.1 | 247 |
| 80 | ArrayExpress update—from an archive of functional genomics experiments to the atlas of gene expression. Nucleic Acids Research, 2009, 37, D868-D872. | 14.5 | 380 |
| 81 | Survey-based naming conventions for use in OBO Foundry ontology development. BMC Bioinformatics, 2009, 10, 125. | 2.6 | 50 |
| 82 | 'Omics Data Sharing. Science, 2009, 326, 234-236. | 12.6 | 136 |
| 83 | Towards interoperable reporting standards for omics data: hopes and hurdles. Summit on Translational Bioinformatics, 2009, 2009, 112-5. | 0.7 | 1 |
| 84 | Promoting coherent minimum reporting guidelines for biological and biomedical investigations: the MIBBI project. Nature Biotechnology, 2008, 26, 889-896. | 17.5 | 506 |
| 85 | The minimum information about a genome sequence (MIGS) specification. Nature Biotechnology, 2008, 26, 541-547. | 17.5 | 1,069 |
| 86 | Minimum information specification for in situ hybridization and immunohistochemistry experiments (MISFISHIE). Nature Biotechnology, 2008, 26, 305-312. | 17.5 | 111 |
| 87 | 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, 202-210. | 5.5 | 60 |
| 88 | Toward a Standards-Compliant Genomic and Metagenomic Publication Record. OMICS A Journal of Integrative Biology, 2008, 12, 157-160. | 2.0 | 33 |
| 89 | Foreword to the Special Issue on the Fifth Genomic Standards Consortium Workshop. OMICS A Journal of Integrative Biology, 2008, 12, 99-99. | 2.0 | 3 |
| 90 | The Metabolomics Standards Initiative. Nature Biotechnology, 2007, 25, 846-848. | 17.5 | 328 |

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| 91 | The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. Nature Biotechnology, 2007, 25, 1251-1255. | 17.5 | 1,955 |
| 92 | The Functional Genomics Experiment model (FuGE): an extensible framework for standards in functional genomics. Nature Biotechnology, 2007, 25, 1127-1133. | 17.5 | 96 |
| 93 | Standard reporting requirements for biological samples in metabolomics experiments: environmental context. Metabolomics, 2007, 3, 203-210. | 3.0 | 93 |
| 94 | Metabolomics standards initiative: ontology working group work in progress. Metabolomics, 2007, 3, 249-256. | 3.0 | 52 |
| 95 | The metabolomics standards initiative (MSI). Metabolomics, 2007, 3, 175-178. | 3.0 | 396 |
| 96 | Standard Annotation of Environmental OMICS Data: Application to the Transcriptomics Domain. OMICS A Journal of Integrative Biology, 2006, 10, 172-178. | 2.0 | 21 |
| 97 | A Strategy Capitalizing on Synergies: The Reporting Structure for Biological Investigation (RSBI) Working Group. OMICS A Journal of Integrative Biology, 2006, 10, 164-171. | 2.0 | 33 |
| 98 | A Special Issue on Data Standards. OMICS A Journal of Integrative Biology, 2006, 10, 84-93. | 2.0 | 46 |
| 99 | Wrestling with SUMO and bio-ontologies. Nature Biotechnology, 2006, 24, 21-21. | 17.5 | 8 |
| 100 | The MGED Ontology: a resource for semantics-based description of microarray experiments. Bioinformatics, 2006, 22, 866-873. | 4.1 | 190 |
| 101 | Development of FuGO: An Ontology for Functional Genomics Investigations. OMICS A Journal of Integrative Biology, 2006, 10, 199-204. | 2.0 | 56 |
| 102 | Establishing Reporting Standards for Metabolomic and Metabonomic Studies: A Call for Participation. OMICS A Journal of Integrative Biology, 2006, 10, 158-163. | 2.0 | 100 |
| 103 | Defining best practice for microarray analyses in nutrigenomic studies. British Journal of Nutrition, 2005, 93, 425-432. | 2.3 | 39 |
| 104 | Summary recommendations for standardization and reporting of metabolic analyses. Nature Biotechnology, 2005, 23, 833-838. | 17.5 | 261 |
| 105 | Microarray Data Standards: An Open Letter. Environmental Health Perspectives, 2004, 112, A666-7. | 6.0 | 23 |
| 106 | Database development in toxicogenomics: issues and efforts.. Environmental Health Perspectives, 2004, 112, 495-505. | 6.0 | 112 |
| 107 | Standardization Initiatives in the (eco)toxicogenomics Domain: A Review. Comparative and Functional Genomics, 2004, 5, 633-641. | 2.0 | 17 |
| 108 | ArrayExpress: a public database of gene expression data at EBI. Comptes Rendus - Biologies, 2003, 326, 1075-1078. | 0.2 | 69 |

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| 109 | ArrayExpress—a public repository for microarray gene expression data at the EBI. Nucleic Acids Research, 2003, 31, 68-71. | 14.5 | 727 |
| 110 | Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. Nature Precedings, 0, , . | 0.1 | 6 |
| 111 | COPO: a metadata platform for brokering FAIR data in the life sciences. F1000Research, 0, 9, 495. | 1.6 | 27 |
| 112 | ELIXIR and Toxicology: a community in development. F1000Research, 0, 10, 1129. | 1.6 | 3 |