

Ugis Sarkans

List of Publications by Year in descending order

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49
papers

9,918
citations

172207

29
h-index

189595

50
g-index

54
all docs

54
docs citations

54
times ranked

15475
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum information about a microarray experiment (MIAME)â€”toward standards for microarray data. <i>Nature Genetics</i> , 2001, 29, 365-371.	9.4	3,750
2	ArrayExpress--a public repository for microarray gene expression data at the EBI. <i>Nucleic Acids Research</i> , 2003, 31, 68-71.	6.5	727
3	ArrayExpress updateâ€”simplifying data submissions. <i>Nucleic Acids Research</i> , 2015, 43, D1113-D1116.	6.5	688
4	The HUPO PSI's Molecular Interaction formatâ€”a community standard for the representation of protein interaction data. <i>Nature Biotechnology</i> , 2004, 22, 177-183.	9.4	581
5	ArrayExpress update â€” from bulk to single-cell expression data. <i>Nucleic Acids Research</i> , 2019, 47, D711-D715.	6.5	497
6	ArrayExpress update--from an archive of functional genomics experiments to the atlas of gene expression. <i>Nucleic Acids Research</i> , 2009, 37, D868-D872.	6.5	380
7	Design and implementation of microarray gene expression markup language (MAGE-ML). <i>Genome Biology</i> , 2002, 3, RESEARCH0046.	3.8	350
8	ArrayExpress updateâ€”trends in database growth and links to data analysis tools. <i>Nucleic Acids Research</i> , 2012, 41, D987-D990.	6.5	340
9	ArrayExpress update--an archive of microarray and high-throughput sequencing-based functional genomics experiments. <i>Nucleic Acids Research</i> , 2011, 39, D1002-D1004.	6.5	285
10	Image Data Resource: a bioimage data integration and publication platform. <i>Nature Methods</i> , 2017, 14, 775-781.	9.0	212
11	A simple spreadsheet-based, MIAME-supportive format for microarray data: MAGE-TAB. <i>BMC Bioinformatics</i> , 2006, 7, 489.	1.2	185
12	Discovering and linking public omics data sets using the Omics Discovery Index. <i>Nature Biotechnology</i> , 2017, 35, 406-409.	9.4	159
13	Human metabolic profiles are stably controlled by genetic and environmental variation. <i>Molecular Systems Biology</i> , 2011, 7, 525.	3.2	158
14	Biomarkers in autism spectrum disorder: the old and the new. <i>Psychopharmacology</i> , 2014, 231, 1201-1216.	1.5	144
15	Standards for systems biology. <i>Nature Reviews Genetics</i> , 2006, 7, 593-605.	7.7	137
16	A Genome-Wide Metabolic QTL Analysis in Europeans Implicates Two Loci Shaped by Recent Positive Selection. <i>PLoS Genetics</i> , 2011, 7, e1002270.	1.5	132
17	The BioStudies databaseâ€”one stop shop for all data supporting a life sciences study. <i>Nucleic Acids Research</i> , 2018, 46, D1266-D1270.	6.5	112
18	Expression Profiler: next generation--an online platform for analysis of microarray data. <i>Nucleic Acids Research</i> , 2004, 32, W465-W470.	6.5	105

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19	A call for public archives for biological image data. <i>Nature Methods</i> , 2018, 15, 849-854.	9.0	99
20	The Functional Genomics Experiment model (FuGE): an extensible framework for standards in functional genomics. <i>Nature Biotechnology</i> , 2007, 25, 1127-1133.	9.4	96
21	ArrayExpress: a public database of gene expression data at EBI. <i>Comptes Rendus - Biologies</i> , 2003, 326, 1075-1078.	0.1	69
22	REMBI: Recommended Metadata for Biological Images enabling reuse of microscopy data in biology. <i>Nature Methods</i> , 2021, 18, 1418-1422.	9.0	63
23	From ArrayExpress to BioStudies. <i>Nucleic Acids Research</i> , 2021, 49, D1502-D1506.	6.5	53
24	The BioSample Database (BioSD) at the European Bioinformatics Institute. <i>Nucleic Acids Research</i> , 2012, 40, D64-D70.	6.5	50
25	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. <i>Bioinformatics</i> , 2020, 36, 2636-2642.	1.8	47
26	The BioImage Archive – Building a Home for Life-Sciences Microscopy Data. <i>Journal of Molecular Biology</i> , 2022, 434, 167505.	2.0	45
27	diXa: a data infrastructure for chemical safety assessment. <i>Bioinformatics</i> , 2015, 31, 1505-1507.	1.8	40
28	The ArrayExpress gene expression database: a software engineering and implementation perspective. <i>Bioinformatics</i> , 2005, 21, 1495-1501.	1.8	39
29	[20] Data Storage and Analysis in ArrayExpress. <i>Methods in Enzymology</i> , 2006, 411, 370-386.	0.4	37
30	A global view of standards for open image data formats and repositories. <i>Nature Methods</i> , 2021, 18, 1440-1446.	9.0	36
31	Updates to BioSamples database at European Bioinformatics Institute. <i>Nucleic Acids Research</i> , 2014, 42, D50-D52.	6.5	32
32	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. <i>Archives of Toxicology</i> , 2020, 94, 2435-2461.	1.9	30
33	Network integration and modelling of dynamic drug responses at multi-omics levels. <i>Communications Biology</i> , 2020, 3, 573.	2.0	28
34	A System for Information Management in BioMedical Studies – SIMBioMS. <i>Bioinformatics</i> , 2009, 25, 2768-2769.	1.8	27
35	PASSIM—an open source software system for managing information in biomedical studies. <i>BMC Bioinformatics</i> , 2007, 8, 52.	1.2	24
36	The BioStudies database. <i>Molecular Systems Biology</i> , 2015, 11, 847.	3.2	24

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37	A model-based assay design to reproduce in vivo patterns of acute drug-induced toxicity. Archives of Toxicology, 2018, 92, 553-555.	1.9	23
38	Microarray Data Representation, Annotation and Storage. Advances in Biochemical Engineering/Biotechnology, 2002, 77, 113-139.	0.6	21
39	The discovAIR project: a roadmap towards the Human Lung Cell Atlas. European Respiratory Journal, 2022, 60, 2102057.	3.1	15
40	Data Storage and Analysis in ArrayExpress and Expression Profiler. Current Protocols in Bioinformatics, 2008, 23, Unit 7.13.	25.8	12
41	Plant-Based Microarray Data at the European Bioinformatics Institute. Introducing AtMIAMExpress, a Submission Tool for Arabidopsis Gene Expression Data to ArrayExpress. Plant Physiology, 2005, 139, 632-636.	2.3	10
42	Cellular phenotype database: a repository for systems microscopy data. Bioinformatics, 2015, 31, 2736-2740.	1.8	10
43	Wrestling with SUMO and bio-ontologies. Nature Biotechnology, 2006, 24, 21-21.	9.4	8
44	graph2tab, a library to convert experimental workflow graphs into tabular formats. Bioinformatics, 2012, 28, 1665-1667.	1.8	7
45	Data-deposition protocols for correlative soft X-ray tomography and super-resolution structured illumination microscopy applications. STAR Protocols, 2021, 2, 100253.	0.5	7
46	Expression Profiler. Statistics in the Health Sciences, 2003, , 142-162.	0.2	5
47	Orchestrating differential data access for translational research: a pilot implementation. BMC Medical Informatics and Decision Making, 2017, 17, 30.	1.5	5
48	Recent Advances in Dimethyl Sulfoxide (DMSO) Used as a Multipurpose Reactant. Current Organic Chemistry, 2022, 26, 91-121.	0.9	2
49	Evaluation of Antimicrobial Effects of Photo-sonodynamic Antimicrobial Chemotherapy Based on Nano-micelle Curcumin on Virulence Gene Expression Patterns in <i>Acinetobacter baumannii</i> . Infectious Disorders - Drug Targets, 2022, 22, .	0.4	2