

George I Mias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6741929/publications.pdf>

Version: 2024-02-01

45
papers

2,112
citations

623734

14
h-index

377865

34
g-index

65
all docs

65
docs citations

65
times ranked

4074
citing authors

#	ARTICLE	IF	CITATIONS
1	Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes. <i>Cell</i> , 2012, 148, 1293-1307.	28.9	1,134
2	<i>Streptococcus pneumoniae</i> 's Virulence and Host Immunity: Aging, Diagnostics, and Prevention. <i>Frontiers in Immunology</i> , 2018, 9, 1366.	4.8	164
3	Characterizing Extracellular Vesicles and Their Diverse RNA Contents. <i>Frontiers in Genetics</i> , 2020, 11, 700.	2.3	150
4	Whole-exome sequencing identifies tetratricopeptide repeat domain 7A (TTC7A) mutations for combined immunodeficiency with intestinal atresias. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 656-664.e17.	2.9	140
5	Integrative Analysis of Longitudinal Metabolomics Data from a Personal Multi-Omics Profile. <i>Metabolites</i> , 2013, 3, 741-760.	2.9	56
6	Toward More Transparent and Reproducible Omics Studies Through a Common Metadata Checklist and Data Publications. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 10-14.	2.0	54
7	Quantum noise, scaling, and domain formation in a spinor Bose-Einstein condensate. <i>Physical Review A</i> , 2008, 77, .	2.5	37
8	A Chromosome-centric Human Proteome Project (C-HPP) to Characterize the Sets of Proteins Encoded in Chromosome 17. <i>Journal of Proteome Research</i> , 2013, 12, 45-57.	3.7	35
9	MathOmics: An Integrative Platform for Dynamic Omics. <i>Scientific Reports</i> , 2016, 6, 37237.	3.3	35
10	Personal genomes, quantitative dynamic omics and personalized medicine. <i>Quantitative Biology</i> , 2013, 1, 71-90.	0.5	29
11	Metabolome progression during early gut microbial colonization of gnotobiotic mice. <i>Scientific Reports</i> , 2015, 5, 11589.	3.3	29
12	Microarray Gene Expression Dataset Re-analysis Reveals Variability in Influenza Infection and Vaccination. <i>Frontiers in Immunology</i> , 2019, 10, 2616.	4.8	24
13	Data-Driven Analysis of Age, Sex, and Tissue Effects on Gene Expression Variability in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 392.	2.8	22
14	Longitudinal saliva omics responses to immune perturbation: a case study. <i>Scientific Reports</i> , 2021, 11, 710.	3.3	19
15	Loss of histone methyltransferase ASH1L in the developing mouse brain causes autistic-like behaviors. <i>Communications Biology</i> , 2021, 4, 756.	4.4	19
16	Distinct transcriptomic and exomic abnormalities within myelodysplastic syndrome marrow cells. <i>Leukemia and Lymphoma</i> , 2018, 59, 2952-2962.	1.3	16
17	Metadata Checklist for the Integrated Personal OMICS Study: Proteomics and Metabolomics Experiments. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 81-85.	2.0	14
18	Visibility graph based temporal community detection with applications in biological time series. <i>Scientific Reports</i> , 2021, 11, 5623.	3.3	14

#	ARTICLE	IF	CITATIONS
19	PyLOmica: longitudinal omics analysis and trend identification. <i>Bioinformatics</i> , 2020, 36, 2306-2307.	4.1	12
20	Multi-study reanalysis of 2,213 acute myeloid leukemia patients reveals age- and sex-dependent gene expression signatures. <i>Scientific Reports</i> , 2019, 9, 12413.	3.3	11
21	Cell Signaling Coordinates Global PRC2 Recruitment and Developmental Gene Expression in Murine Embryonic Stem Cells. <i>IScience</i> , 2020, 23, 101646.	4.1	10
22	Specific Plasma Autoantibody Reactivity in Myelodysplastic Syndromes. <i>Scientific Reports</i> , 2013, 3, 3311.	3.3	8
23	Metadata Checklist for the Integrated Personal Omics Study: <i>Proteomics and Metabolomics Experiments</i> . <i>Big Data</i> , 2013, 1, 202-206.	3.4	8
24	Multimodal Dynamic Profiling of Healthy and Diseased States for Future Personalized Health Care. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 93, 29-32.	4.7	7
25	Databases: E-Utilities and UCSC Genome Browser. , 2018, , 133-170.		7
26	Impaired KDM2B-mediated PRC1 recruitment to chromatin causes defective neural stem cell self-renewal and ASD/ID-like behaviors. <i>IScience</i> , 2022, 25, 103742.	4.1	7
27	Absence of domain wall roughening in a transverse-field Ising model with long-range interactions. <i>Physical Review B</i> , 2005, 72, .	3.2	6
28	Temporal response characterization across individual multiomics profiles of prediabetic and diabetic subjects. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
29	Toward More Transparent and Reproducible Omics Studies Through a Common Metadata Checklist and Data Publications. <i>Big Data</i> , 2013, 1, 196-201.	3.4	5
30	Mathematica for Bioinformatics. , 2018, , .		5
31	Transcriptomic Evaluation of CD34+ Marrow Cells from Myelodysplastic Syndrome (MDS) Patients. <i>Blood</i> , 2014, 124, 1894-1894.	1.4	5
32	Gene expression microarray public dataset reanalysis in chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2019, 14, e0224750.	2.5	4
33	The MathLOmica Toolbox: General Analysis Utilities for Dynamic Omics Datasets. <i>Current Protocols in Bioinformatics</i> , 2020, 69, e91.	25.8	4
34	Histone H3K36me2-Specific Methyltransferase ASH1L Promotes MLL-AF9-Induced Leukemogenesis. <i>Frontiers in Oncology</i> , 2021, 11, 754093.	2.8	3
35	MathLOmicaâ€MSViewer: a dynamic viewer for mass spectrometry files for Mathematica. <i>Journal of Mass Spectrometry</i> , 2017, 52, 315-318.	1.6	2
36	ANOVA-HD: Analysis of variance when both input and output layers are high-dimensional. <i>PLoS ONE</i> , 2020, 15, e0243251.	2.5	2

#	ARTICLE	IF	CITATIONS
37	Prolog: Bioinformatics with the Wolfram Language. , 2018, , 1-6.		1
38	0416 Integrating dynamic omics responses for universal personalized medicine. Journal of Animal Science, 2016, 94, 201-201.	0.5	0
39	S0105 Integrating dynamic omics responses for universal personalized medicine. Journal of Animal Science, 2016, 94, 4-4.	0.5	0
40	Genomic Sequence Data and BLAST. , 2018, , 171-192.		0
41	A Wolfram Language Primer for Bioinformaticians. , 2018, , 7-65.		0
42	Proteomic Data. , 2018, , 227-250.		0
43	Graphs and Networks. , 2018, , 297-328.		0
44	Metabolomics Example. , 2018, , 251-282.		0
45	Epilog: Bioinformatics Development with Mathematica. , 2018, , 375-380.		0