

Alpha Tom Kodamullil

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

544
citations

840776

11
h-index

713466

21
g-index

39
all docs

39
docs citations

39
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	STonKGs: a sophisticated transformer trained on biomedical text and knowledge graphs. <i>Bioinformatics</i> , 2022, 38, 1648-1656.	4.1	11
2	Benchmarking table recognition performance on biomedical literature on neurological disorders. <i>Bioinformatics</i> , 2022, 38, 1624-1630.	4.1	4
3	On the influence of several factors on pathway enrichment analysis. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	17
4	Integrative data semantics through a model-enabled data stewardship. <i>Bioinformatics</i> , 2022, 38, 3850-3852.	4.1	4
5	Elucidating gene expression patterns across multiple biological contexts through a large-scale investigation of transcriptomic datasets. <i>BMC Bioinformatics</i> , 2022, 23, .	2.6	3
6	The COVID-19 Ontology. <i>Bioinformatics</i> , 2021, 36, 5703-5705.	4.1	27
7	COVID-19 Knowledge Graph: a computable, multi-modal, cause-and-effect knowledge model of COVID-19 pathophysiology. <i>Bioinformatics</i> , 2021, 37, 1332-1334.	4.1	70
8	A Systems Biology Approach for Hypothesizing the Effect of Genetic Variants on Neuroimaging Features in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 831-840.	2.6	2
9	Linking COVID-19 and Heme-Driven Pathophysiologies: A Combined Computational-Experimental Approach. <i>Biomolecules</i> , 2021, 11, 644.	4.0	16
10	A method for the rational selection of drug repurposing candidates from multimodal knowledge harmonization. <i>Scientific Reports</i> , 2021, 11, 11049.	3.3	12
11	DecoPath: a web application for decoding pathway enrichment analysis. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab087.	3.2	3
12	Towards a global investigation of transcriptomic signatures through co-expression networks and pathway knowledge for the identification of disease mechanisms. <i>Nucleic Acids Research</i> , 2021, 49, 7939-7953.	14.5	3
13	Machine Learning Based Prediction of COVID-19 Mortality Suggests Repositioning of Anticancer Drug for Treating Severe Cases. <i>Artificial Intelligence in the Life Sciences</i> , 2021, 1, 100020.	2.2	6
14	Data-Driven Modeling of Knowledge Assemblies in Understanding Comorbidity Between Type 2 Diabetes Mellitus and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 87-95.	2.6	10
15	Quantifying mechanisms in neurodegenerative diseases (NDDs) using candidate mechanism perturbation amplitude (CMPA) algorithm. <i>BMC Bioinformatics</i> , 2019, 20, 494.	2.6	3
16	Tracing investment in drug development for Alzheimer disease. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 819-819.	46.4	45
17	Of Mice and Men: Comparative Analysis of Neuro-Inflammatory Mechanisms in Human and Mouse Using Cause-and-Effect Models. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1045-1055.	2.6	18
18	Comorbidity Analysis between Alzheimer's Disease and Type 2 Diabetes Mellitus (T2DM) Based on Shared Pathways and the Role of T2DM Drugs. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 721-731.	2.6	55

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19	Using Drugs as Molecular Probes: A Computational Chemical Biology Approach in Neurodegenerative Diseases. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 677-686.	2.6	14
20	Multimodal mechanistic signatures for neurodegenerative diseases (NeuroMMSig): a web server for mechanism enrichment. <i>Bioinformatics</i> , 2017, 33, 3679-3681.	4.1	39
21	Training and evaluation corpora for the extraction of causal relationships encoded in biological expression language (BEL). <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw113.	3.0	24
22	Reasoning over genetic variance information in cause-and-effect models of neurodegenerative diseases. <i>Briefings in Bioinformatics</i> , 2016, 17, 505-516.	6.5	10
23	PDON: Parkinson's disease ontology for representation and modeling of the Parkinson's disease knowledge domain. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 20.	2.1	29
24	Bioinformatics Mining and Modeling Methods for the Identification of Disease Mechanisms in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29179-29206.	4.1	47
25	Computational Modelling Approaches on Epigenetic Factors in Neurodegenerative and Autoimmune Diseases and Their Mechanistic Analysis. <i>Journal of Immunology Research</i> , 2015, 2015, 1-10.	2.2	11
26	Computable cause-and-effect models of healthy and Alzheimer's disease states and their mechanistic differential analysis. <i>Alzheimer's and Dementia</i> , 2015, 11, 1329-1339.	0.8	46