Gholamali Rahnavard

List of Publications by Year
in descending order

28 papers	6,160 citations	687363 13 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	9958 citing authors

#	Article	IF	Citations
1	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. Nature, 2019, 569, 655-662.	27.8	1,638
2	Species-level functional profiling of metagenomes and metatranscriptomes. Nature Methods, 2018, 15, 962-968.	19.0	1,125
3	Strains, functions and dynamics in the expanded Human Microbiome Project. Nature, 2017, 550, 61-66.	27.8	929
4	Multivariable association discovery in population-scale meta-omics studies. PLoS Computational Biology, 2021, 17, e1009442.	3.2	691
5	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	3.8	604
6	The National COVID Cohort Collaborative (N3C): Rationale, design, infrastructure, and deployment. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 427-443.	4.4	342
7	Obese Individuals with and without Type 2 Diabetes Show Different Gut Microbial Functional Capacity and Composition. Cell Host and Microbe, 2019, 26, 252-264.e10.	11.0	274
8	Host genetic variation and its microbiome interactions within the Human Microbiome Project. Genome Medicine, 2018, 10, 6.	8.2	134
9	Discovery of bioactive microbial gene products in inflammatory bowel disease. Nature, 2022, 606, 754-760.	27.8	38
10	Association of Early Aspirin Use With In-Hospital Mortality in Patients With Moderate COVID-19. JAMA Network Open, 2022, 5, e223890.	5.9	31
11	Predictors of 30-Day Unplanned Readmission After Carotid Artery Stenting Using Artificial Intelligence. Advances in Therapy, 2021, 38, 2954-2972.	2.9	25
12	High-sensitivity pattern discovery in large, paired multiomic datasets. Bioinformatics, 2022, 38, i378-i385.	4.1	18
13	Expression of Human Endogenous Retroviruses in Systemic Lupus Erythematosus: Multiomic Integration With Gene Expression. Frontiers in Immunology, 2021, 12, 661437.	4.8	14
14	A reproducible approach to high-throughput biological data acquisition and integration. PeerJ, 2015, 3, e791.	2.0	12
15	Differential expression of single‐cell RNA‐seq data using Tweedie models. Statistics in Medicine, 2022, 41, 3492-3510.	1.6	11
16	Metabolite, protein, and tissue dysfunction associated with COVID-19 disease severity. Scientific Reports, 2022, 12, .	3.3	11
17	A method to evaluate Web Services Anomaly Detection using Hidden Markov Models. , 2010, , .		8
18	An Enhanced Fault-Tolerant Routing Algorithm for Mesh Network-on-Chip. , 2009, , .		6

#	Article	IF	Citations
19	Omics community detection using multi-resolution clustering. Bioinformatics, 2021, 37, 3588-3594.	4.1	6
20	Epidemiological associations with genomic variation in SARS-CoV-2. Scientific Reports, 2021, 11, 23023.	3.3	5
21	Limited data exist to inform our basic understanding of micronutrient requirements in pregnancy. Science Advances, 2021, 7, eabj8016.	10.3	4
22	An Efficient Parallel Algorithm for Solving Cryptarithmetic Problems: PGA. , 2009, , .		1
23	Parallel Greedy Genetic Algorithm for Job Scheduling in Cluster Enviornments. , 2011, , .		1
24	Protocol for meta-research on the evidence informing micronutrient dietary reference intakes for pregnant and lactating women. Gates Open Research, 2020, 4, 171.	1.1	1
25	TEAMS: A Special-Purpose AOP Framework for Runtime Monitoring. , 2012, , .		0
26	631 â€" Dietary Intake, H2S-Producing Microbes, and Risk of Colorectal Cancer. Gastroenterology, 2019, 156, S-133.	1.3	0
27	1938-P: The Gut Microbiota Is Critical for the Beneficial Metabolic Effects of Palmitic Acid Hydroxy Stearic Acids (PAHSAs) in Diet-Induced Obese Mice. Diabetes, 2020, 69, .	0.6	0
28	Cervical Cancer Prediction by Merging Features of Different Colposcopic Images and Using Ensemble Classifier. Journal of Medical Signals and Sensors, 2021, 11, 67-78.	1.0	0