

Francesco Gatto

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,523
citations

623574

14
h-index

526166

27
g-index

30
all docs

30
docs citations

30
times ranked

2596
citing authors

#	ARTICLE	IF	CITATIONS
1	Recon3D enables a three-dimensional view of gene variation in human metabolism. <i>Nature Biotechnology</i> , 2018, 36, 272-281.	9.4	520
2	Absolute Quantification of Protein and mRNA Abundances Demonstrate Variability in Gene-Specific Translation Efficiency in Yeast. <i>Cell Systems</i> , 2017, 4, 495-504.e5.	2.9	178
3	Chromosome 3p loss of heterozygosity is associated with a unique metabolic network in clear cell renal carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E866-75.	3.3	128
4	Purine metabolism regulates DNA repair and therapy resistance in glioblastoma. <i>Nature Communications</i> , 2020, 11, 3811.	5.8	103
5	Genome-scale modeling of human metabolism – a systems biology approach. <i>Biotechnology Journal</i> , 2013, 8, 985-996.	1.8	101
6	Flux balance analysis predicts essential genes in clear cell renal cell carcinoma metabolism. <i>Scientific Reports</i> , 2015, 5, 10738.	1.6	95
7	Meta-analysis of the gut microbiota in predicting response to cancer immunotherapy in metastatic melanoma. <i>JCI Insight</i> , 2020, 5, .	2.3	85
8	Glycosaminoglycan Profiling in Patients'™ Plasma and Urine Predicts the Occurrence of Metastatic Clear Cell Renal Cell Carcinoma. <i>Cell Reports</i> , 2016, 15, 1822-1836.	2.9	55
9	The Translational Status of Cancer Liquid Biopsies. <i>Regenerative Engineering and Translational Medicine</i> , 2021, 7, 312-352.	1.6	39
10	Human protein secretory pathway genes are expressed in a tissue-specific pattern to match processing demands of the secretome. <i>Npj Systems Biology and Applications</i> , 2017, 3, 22.	1.4	32
11	Pan-cancer analysis of the metabolic reaction network. <i>Metabolic Engineering</i> , 2020, 57, 51-62.	3.6	29
12	Prognostic Value of Plasma and Urine Glycosaminoglycan Scores in Clear Cell Renal Cell Carcinoma. <i>Frontiers in Oncology</i> , 2016, 6, 253.	1.3	22
13	Systematic Analysis Reveals that Cancer Mutations Converge on Deregulated Metabolism of Arachidonate and Xenobiotics. <i>Cell Reports</i> , 2016, 16, 878-895.	2.9	21
14	Plasma Glycosaminoglycans as Diagnostic and Prognostic Biomarkers in Surgically Treated Renal Cell Carcinoma. <i>European Urology Oncology</i> , 2018, 1, 364-377.	2.6	21
15	Analysis of normal levels of free glycosaminoglycans in urine and plasma in adults. <i>Journal of Biological Chemistry</i> , 2022, 298, 101575.	1.6	13
16	Kiwi: a tool for integration and visualization of network topology and gene-set analysis. <i>BMC Bioinformatics</i> , 2014, 15, 408.	1.2	12
17	Exploiting off-targeting in guide-RNA</sc>CRISPR</sc> systems for simultaneous editing of multiple genes. <i>FEBS Letters</i> , 2017, 591, 3288-3295.	1.3	10
18	Exercise-Mediated Lowering of Glutamine Availability Suppresses Tumor Growth and Attenuates Muscle Wasting. <i>IScience</i> , 2020, 23, 100978.	1.9	10

#	ARTICLE	IF	CITATIONS
19	The specificity of the malarial VAR2CSA protein for chondroitin sulfate depends on 4-O-sulfation and ligand accessibility. <i>Journal of Biological Chemistry</i> , 2021, 297, 101391.	1.6	10
20	Analytical performance of a standardized kit for mass spectrometry-based measurements of human glycosaminoglycans. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1177, 122761.	1.2	8
21	Microbial inactivation of paprika using oregano essential oil combined with high-pressure CO ₂ . <i>Journal of Supercritical Fluids</i> , 2016, 116, 57-61.	1.6	6
22	In search for symmetries in the metabolism of cancer. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016, 8, 23-35.	6.6	6
23	Systematic analysis of overall survival and interactions between tumor mutations and drug treatment. <i>Journal of Hematology and Oncology</i> , 2016, 9, 15.	6.9	5
24	A simple method for detecting oncofetal chondroitin sulfate glycosaminoglycans in bladder cancer urine. <i>Cell Death Discovery</i> , 2020, 6, 65.	2.0	5
25	Plasma and Urine Free Glycosaminoglycans as Monitoring Biomarkers in Nonmetastatic Renal Cell Carcinoma—A Prospective Cohort Study. <i>European Urology Open Science</i> , 2022, 42, 30-39.	0.2	5
26	Breast cyst fluid heparan sulphate is distinctively N-sulphated depending on apocrine or flattened type. <i>Cell Biochemistry and Function</i> , 2015, 33, 128-133.	1.4	2
27	Voices of biotech leaders. <i>Nature Biotechnology</i> , 2021, 39, 654-660.	9.4	1