

Benjamin Kellman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,958
citations

687363

13
h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

4352
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplex genome editing of mammalian cells for producing recombinant heparin. <i>Metabolic Engineering</i> , 2022, 70, 155-165.	7.0	5
2	Elucidating Human Milk Oligosaccharide biosynthetic genes through network-based multi-omics integration. <i>Nature Communications</i> , 2022, 13, 2455.	12.8	27
3	Big-Data Glycomics: Tools to Connect Glycan Biosynthesis to Extracellular Communication. <i>Trends in Biochemical Sciences</i> , 2021, 46, 284-300.	7.5	34
4	Systems glycombiology for discovering drug targets, biomarkers, and rational designs for glyco-immunotherapy. <i>Journal of Biomedical Science</i> , 2021, 28, 50.	7.0	5
5	Model-based assessment of mammalian cell metabolic functionalities using omics data. <i>Cell Reports Methods</i> , 2021, 1, 100040.	2.9	25
6	Correcting for sparsity and interdependence in glycomics by accounting for glycan biosynthesis. <i>Nature Communications</i> , 2021, 12, 4988.	12.8	22
7	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing. <i>BMC Genomics</i> , 2021, 22, 69.	2.8	12
8	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. <i>Cell Host and Microbe</i> , 2020, 28, 586-601.e6.	11.0	334
9	A consensus-based and readable extension of <i>LiCo</i> near <i>de</i> for <i>reaction rules</i> (LiCoRR). <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2645-2662.	2.2	14
10	SARS-CoV-2 Infection Depends on Cellular Heparan Sulfate and ACE2. <i>Cell</i> , 2020, 183, 1043-1057.e15.	28.9	860
11	A Markov model of glycosylation elucidates isozyme specificity and glycosyltransferase interactions for glycoengineering. <i>Current Research in Biotechnology</i> , 2020, 2, 22-36.	3.7	17
12	ZNF263 is a transcriptional regulator of heparin and heparan sulfate biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9311-9317.	7.1	30
13	NCBI's Virus Discovery Hackathon: Engaging Research Communities to Identify Cloud Infrastructure Requirements. <i>Genes</i> , 2019, 10, 714.	2.4	13
14	Evolution of the exclusively human pathogen <i>Neisseria gonorrhoeae</i> : Human-specific engagement of immunoregulatory Siglecs. <i>Evolutionary Applications</i> , 2019, 12, 337-349.	3.1	35
15	Combating viral contaminants in CHO cells by engineering innate immunity. <i>Scientific Reports</i> , 2019, 9, 8827.	3.3	13
16	A perturbed gene network containing PI3K, AKT, RAS, ERK and WNT- β -catenin pathways in leukocytes is linked to ASD genetics and symptom severity. <i>Nature Neuroscience</i> , 2019, 22, 1624-1634.	14.8	71
17	Human milk oligosaccharide composition predicts risk of necrotising enterocolitis in preterm infants. <i>Gut</i> , 2018, 67, 1064-1070.	12.1	193
18	Optimization of carbon and energy utilization through differential translational efficiency. <i>Nature Communications</i> , 2018, 9, 4474.	12.8	35

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19	A Systematic Evaluation of Methods for Tailoring Genome-Scale Metabolic Models. Cell Systems, 2017, 4, 318-329.e6.	6.2	178