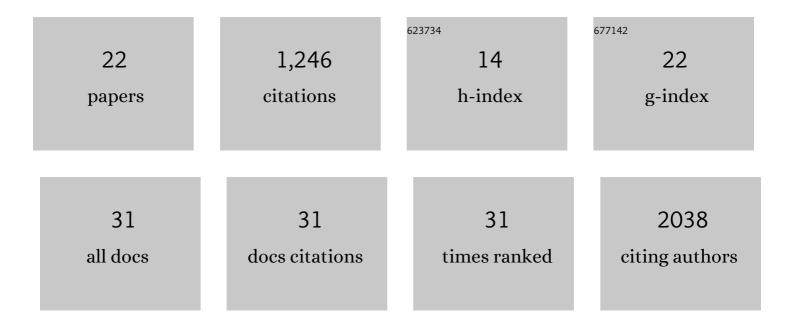
Shangzhong Li

List of Publications by Year in descending order

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SHANCZHONC LL

#	Article	IF	CITATIONS
1	Recon 2.2: from reconstruction to model of human metabolism. Metabolomics, 2016, 12, 109.	3.0	243
2	A Consensus Genome-scale Reconstruction of Chinese Hamster Ovary Cell Metabolism. Cell Systems, 2016, 3, 434-443.e8.	6.2	205
3	Rapid neurogenesis through transcriptional activation in human stem cells. Molecular Systems Biology, 2014, 10, 760.	7.2	187
4	A reference genome of the Chinese hamster based on a hybrid assembly strategy. Biotechnology and Bioengineering, 2018, 115, 2087-2100.	3.3	95
5	Genome-scale reconstructions of the mammalian secretory pathway predict metabolic costs and limitations of protein secretion. Nature Communications, 2020, 11, 68.	12.8	74
6	An Excitatory Circuit in the Perioculomotor Midbrain for Non-REM Sleep Control. Cell, 2019, 177, 1293-1307.e16.	28.9	54
7	Ribosome profiling-guided depletion of an mRNA increases cell growth rate and protein secretion. Scientific Reports, 2017, 7, 40388.	3.3	48
8	Dual RNA-seq identifies human mucosal immunity protein Mucin-13 as a hallmark of Plasmodium exoerythrocytic infection. Nature Communications, 2019, 10, 488.	12.8	45
9	Quantitative feature extraction from the Chinese hamster ovary bioprocess bibliome using a novel meta-analysis workflow. Biotechnology Advances, 2016, 34, 621-633.	11.7	40
10	Reduced apoptosis in Chinese hamster ovary cells via optimized CRISPR interference. Biotechnology and Bioengineering, 2019, 116, 1813-1819.	3.3	39
11	Whole-Genome Sequencing of Invasion-Resistant Cells Identifies Laminin α2 as a Host Factor for Bacterial Invasion. MBio, 2017, 8, .	4.1	36
12	Awakening dormant glycosyltransferases in CHO cells with CRISPRa. Biotechnology and Bioengineering, 2020, 117, 593-598.	3.3	27
13	Model-based assessment of mammalian cell metabolic functionalities using omics data. Cell Reports Methods, 2021, 1, 100040.	2.9	25
14	Modulating carbohydrate–protein interactions through glycoengineering of monoclonal antibodies to impact cancer physiology. Current Opinion in Structural Biology, 2016, 40, 104-111.	5.7	21
15	Proteogenomic Annotation of Chinese Hamsters Reveals Extensive Novel Translation Events and Endogenous Retroviral Elements. Journal of Proteome Research, 2019, 18, 2433-2445.	3.7	15
16	An optimized genome-wide, virus-free CRISPR screen for mammalian cells. Cell Reports Methods, 2021, 1, 100062.	2.9	14
17	Combating viral contaminants in CHO cells by engineering innate immunity. Scientific Reports, 2019, 9, 8827.	3.3	13
18	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing. BMC Genomics, 2021, 22, 69.	2.8	12

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#	Article	IF	CITATIONS
19	Restoration of DNA repair mitigates genome instability and increases productivity of Chinese hamster ovary cells. Biotechnology and Bioengineering, 2022, 119, 963-982.	3.3	11
20	Systematically gap-filling the genome-scale metabolic model of CHO cells. Biotechnology Letters, 2021, 43, 73-87.	2.2	10
21	A Chinese hamster transcription start site atlas that enables targeted editing of CHO cells. NAR Genomics and Bioinformatics, 2021, 3, lqab061.	3.2	7
22	Rare germline variants in individuals diagnosed with schizophrenia within multiplex families. Psychiatry Research, 2021, 303, 114038.	3.3	6