

Shangzhong Li

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,246
citations

623734

14
h-index

677142

22
g-index

31
all docs

31
docs citations

31
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration of DNA repair mitigates genome instability and increases productivity of Chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , 2022, 119, 963-982.	3.3	11
2	Systematically gap-filling the genome-scale metabolic model of CHO cells. <i>Biotechnology Letters</i> , 2021, 43, 73-87.	2.2	10
3	A Chinese hamster transcription start site atlas that enables targeted editing of CHO cells. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab061.	3.2	7
4	Model-based assessment of mammalian cell metabolic functionalities using omics data. <i>Cell Reports Methods</i> , 2021, 1, 100040.	2.9	25
5	An optimized genome-wide, virus-free CRISPR screen for mammalian cells. <i>Cell Reports Methods</i> , 2021, 1, 100062.	2.9	14
6	Rare germline variants in individuals diagnosed with schizophrenia within multiplex families. <i>Psychiatry Research</i> , 2021, 303, 114038.	3.3	6
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	Awakening dormant glycosyltransferases in CHO cells with CRISPRa. <i>Biotechnology and Bioengineering</i> , 2020, 117, 593-598.	3.3	27
9	Genome-scale reconstructions of the mammalian secretory pathway predict metabolic costs and limitations of protein secretion. <i>Nature Communications</i> , 2020, 11, 68.	12.8	74
10	Dual RNA-seq identifies human mucosal immunity protein Mucin-13 as a hallmark of Plasmodium exoerythrocytic infection. <i>Nature Communications</i> , 2019, 10, 488.	12.8	45
11	Combating viral contaminants in CHO cells by engineering innate immunity. <i>Scientific Reports</i> , 2019, 9, 8827.	3.3	13
12	An Excitatory Circuit in the Periocolomotor Midbrain for Non-REM Sleep Control. <i>Cell</i> , 2019, 177, 1293-1307.e16.	28.9	54
13	Proteogenomic Annotation of Chinese Hamsters Reveals Extensive Novel Translation Events and Endogenous Retroviral Elements. <i>Journal of Proteome Research</i> , 2019, 18, 2433-2445.	3.7	15
14	Reduced apoptosis in Chinese hamster ovary cells via optimized CRISPR interference. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1813-1819.	3.3	39
15	A reference genome of the Chinese hamster based on a hybrid assembly strategy. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2087-2100.	3.3	95
16	Ribosome profiling-guided depletion of an mRNA increases cell growth rate and protein secretion. <i>Scientific Reports</i> , 2017, 7, 40388.	3.3	48
17	Whole-Genome Sequencing of Invasion-Resistant Cells Identifies Laminin $\hat{1}\pm 2$ as a Host Factor for Bacterial Invasion. <i>MBio</i> , 2017, 8, .	4.1	36
18	A Consensus Genome-scale Reconstruction of Chinese Hamster Ovary Cell Metabolism. <i>Cell Systems</i> , 2016, 3, 434-443.e8.	6.2	205

#	ARTICLE	IF	CITATIONS
19	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016, 12, 109.	3.0	243
20	Modulating carbohydrate-protein interactions through glycoengineering of monoclonal antibodies to impact cancer physiology. <i>Current Opinion in Structural Biology</i> , 2016, 40, 104-111.	5.7	21
21	Quantitative feature extraction from the Chinese hamster ovary bioprocess bibliome using a novel meta-analysis workflow. <i>Biotechnology Advances</i> , 2016, 34, 621-633.	11.7	40
22	Rapid neurogenesis through transcriptional activation in human stem cells. <i>Molecular Systems Biology</i> , 2014, 10, 760.	7.2	187