

# Shangzhong Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7310871/publications.pdf>

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	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016, 12, 109.	3.0	243
2	A Consensus Genome-scale Reconstruction of Chinese Hamster Ovary Cell Metabolism. <i>Cell Systems</i> , 2016, 3, 434-443.e8.	6.2	205
3	Rapid neurogenesis through transcriptional activation in human stem cells. <i>Molecular Systems Biology</i> , 2014, 10, 760.	7.2	187
4	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
5	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
6	An Excitatory Circuit in the Periocolomotor Midbrain for Non-REM Sleep Control. <i>Cell</i> , 2019, 177, 1293-1307.e16.	28.9	54
7	Ribosome profiling-guided depletion of an mRNA increases cell growth rate and protein secretion. <i>Scientific Reports</i> , 2017, 7, 40388.	3.3	48
8	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
9	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
10	Reduced apoptosis in Chinese hamster ovary cells via optimized CRISPR interference. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1813-1819.	3.3	39
11	Whole-Genome Sequencing of Invasion-Resistant Cells Identifies Laminin $\beta 2$ as a Host Factor for Bacterial Invasion. <i>MBio</i> , 2017, 8, .	4.1	36
12	Awakening dormant glycosyltransferases in CHO cells with CRISPRa. <i>Biotechnology and Bioengineering</i> , 2020, 117, 593-598.	3.3	27
13	Model-based assessment of mammalian cell metabolic functionalities using omics data. <i>Cell Reports Methods</i> , 2021, 1, 100040.	2.9	25
14	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
15	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
16	An optimized genome-wide, virus-free CRISPR screen for mammalian cells. <i>Cell Reports Methods</i> , 2021, 1, 100062.	2.9	14
17	Combating viral contaminants in CHO cells by engineering innate immunity. <i>Scientific Reports</i> , 2019, 9, 8827.	3.3	13
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Systematically gap-filling the genome-scale metabolic model of CHO cells. <i>Biotechnology Letters</i> , 2021, 43, 73-87.	2.2	10
21	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
22	Rare germline variants in individuals diagnosed with schizophrenia within multiplex families. <i>Psychiatry Research</i> , 2021, 303, 114038.	3.3	6