

# Michael Hanscho

## List of Publications by Year in descending order

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17  
papers

974  
citations

840776

11  
h-index

940533

16  
g-index

18  
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18  
docs citations

18  
times ranked

1565  
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	Comprehensive genome and epigenome characterization of CHO cells in response to evolutionary pressures and over time. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2241-2253.	3.3	112
4	Nutritional requirements of the BY series of <i>Saccharomyces cerevisiae</i> strains for optimum growth. <i>FEMS Yeast Research</i> , 2012, 12, 796-808.	2.3	96
5	Elementary flux modes in a nutshell: Properties, calculation and applications. <i>Biotechnology Journal</i> , 2013, 8, 1009-1016.	3.5	91
6	Reducing Recon 2 for steady-state flux analysis of HEK cell culture. <i>Journal of Biotechnology</i> , 2014, 184, 172-178.	3.8	54
7	What CHO is made of: Variations in the biomass composition of Chinese hamster ovary cell lines. <i>Metabolic Engineering</i> , 2020, 61, 288-300.	7.0	46
8	What can mathematical modelling say about CHO metabolism and protein glycosylation?. <i>Computational and Structural Biotechnology Journal</i> , 2017, 15, 212-221.	4.1	44
9	Epigenetic regulation of gene expression in Chinese Hamster Ovary cells in response to the changing environment of a batch culture. <i>Biotechnology and Bioengineering</i> , 2019, 116, 677-692.	3.3	37
10	Avoiding the Enumeration of Infeasible Elementary Flux Modes by Including Transcriptional Regulatory Rules in the Enumeration Process Saves Computational Costs. <i>PLoS ONE</i> , 2015, 10, e0129840.	2.5	15
11	Genetic and Epigenetic Variation across Genes Involved in Energy Metabolism and Mitochondria of Chinese Hamster Ovary Cell Lines. <i>Biotechnology Journal</i> , 2019, 14, e1800681.	3.5	13
12	Designing minimal microbial strains of desired functionality using a genetic algorithm. <i>Algorithms for Molecular Biology</i> , 2015, 10, 29.	1.2	6
13	Inclusion of maintenance energy improves the intracellular flux predictions of CHO. <i>PLoS Computational Biology</i> , 2021, 17, e1009022.	3.2	5
14	On-line clean-up and LC-MS analysis of primary metabolites in cell culture supernatants. <i>Analytical Methods</i> , 2017, 9, 5703-5710.	2.7	2
15	CHOMine: an integrated data warehouse for CHO systems biology and modeling. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	2
16	Transient manipulation of the expression level of selected growth rate correlating microRNAs does not increase growth rate in CHO-K1 cells. <i>Journal of Biotechnology</i> , 2019, 295, 63-70.	3.8	2
17	Designing Optimized Production Hosts by Metabolic Modeling. <i>Methods in Molecular Biology</i> , 2018, 1716, 371-387.	0.9	0