Nathan E Lewis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

 166
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 200
 13,167
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 6.44

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
166	Quantitative prediction of cellular metabolism with constraint-based models: the COBRA Toolbox v2.0. <i>Nature Protocols</i> , 2011 , 6, 1290-307	18.8	1061
165	The genomic sequence of the Chinese hamster ovary (CHO)-K1 cell line. <i>Nature Biotechnology</i> , 2011 , 29, 735-41	44.5	584
164	Constraining the metabolic genotype-phenotype relationship using a phylogeny of in silico methods. <i>Nature Reviews Microbiology</i> , 2012 , 10, 291-305	22.2	571
163	BiGG Models: A platform for integrating, standardizing and sharing genome-scale models. <i>Nucleic Acids Research</i> , 2016 , 44, D515-22	20.1	430
162	Omic data from evolved E. coli are consistent with computed optimal growth from genome-scale models. <i>Molecular Systems Biology</i> , 2010 , 6, 390	12.2	419
161	Creation and analysis of biochemical constraint-based models using the COBRA Toolbox v.3.0. <i>Nature Protocols</i> , 2019 , 14, 639-702	18.8	385
160	Design and analysis of synthetic carbon fixation pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8889-94	11.5	321
159	Genomic landscapes of Chinese hamster ovary cell lines as revealed by the Cricetulus griseus draft genome. <i>Nature Biotechnology</i> , 2013 , 31, 759-65	44.5	289
158	Microbial laboratory evolution in the era of genome-scale science. <i>Molecular Systems Biology</i> , 2011 , 7, 509	12.2	210
157	Combinatorial CRISPR-Cas9 screens for de novo mapping of genetic interactions. <i>Nature Methods</i> , 2017 , 14, 573-576	21.6	209
156	Large-scale in silico modeling of metabolic interactions between cell types in the human brain. <i>Nature Biotechnology</i> , 2010 , 28, 1279-85	44.5	206
155	Network context and selection in the evolution to enzyme specificity. <i>Science</i> , 2012 , 337, 1101-4	33.3	204
154	Insight into human alveolar macrophage and M. tuberculosis interactions via metabolic reconstructions. <i>Molecular Systems Biology</i> , 2010 , 6, 422	12.2	204
153	In silico method for modelling metabolism and gene product expression at genome scale. <i>Nature Communications</i> , 2012 , 3, 929	17.4	194
152	An enhanced CRISPR repressor for targeted mammalian gene regulation. <i>Nature Methods</i> , 2018 , 15, 61	1 <u>-</u> 6616	192
151	The role of replicates for error mitigation in next-generation sequencing. <i>Nature Reviews Genetics</i> , 2014 , 15, 56-62	30.1	192
150	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. <i>Cell Host and Microbe</i> , 2020 , 28, 586-601.e6	23.4	192

(2016-2015)

149	Escher: A Web Application for Building, Sharing, and Embedding Data-Rich Visualizations of Biological Pathways. <i>PLoS Computational Biology</i> , 2015 , 11, e1004321	5	187
148	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016 , 12, 109	4.7	184
147	RNA polymerase mutants found through adaptive evolution reprogram Escherichia coli for optimal growth in minimal media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20500-5	11.5	153
146	A Consensus Genome-scale Reconstruction of Chinese Hamster Ovary Cell Metabolism. <i>Cell Systems</i> , 2016 , 3, 434-443.e8	10.6	145
145	Analysis of omics data with genome-scale models of metabolism. <i>Molecular BioSystems</i> , 2013 , 9, 167-74		143
144	Elimination of thermodynamically infeasible loops in steady-state metabolic models. <i>Biophysical Journal</i> , 2011 , 100, 544-553	2.9	143
143	The emerging CHO systems biology era: harnessing the 'omics revolution for biotechnology. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 1102-7	11.4	138
142	Rapid neurogenesis through transcriptional activation in human stem cells. <i>Molecular Systems Biology</i> , 2014 , 10, 760	12.2	130
141	Deciphering cell-cell interactions and communication from gene expression. <i>Nature Reviews Genetics</i> , 2021 , 22, 71-88	30.1	129
140	Proteomic analysis of Chinese hamster ovary cells. <i>Journal of Proteome Research</i> , 2012 , 11, 5265-76	5.6	128
139	The ASD Living Biology: from cell proliferation to clinical phenotype. <i>Molecular Psychiatry</i> , 2019 , 24, 88-	107 .1	127
138	Human milk oligosaccharide composition predicts risk of necrotising enterocolitis in preterm infants. <i>Gut</i> , 2018 , 67, 1064-1070	19.2	123
137	MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , 2020 , 38, 272-	- 2,746 5	121
136	A Systematic Evaluation of Methods for Tailoring Genome-Scale Metabolic Models. <i>Cell Systems</i> , 2017 , 4, 318-329.e6	10.6	107
135	CRISPR/Cas9-mediated genome engineering of CHO cell factories: Application and perspectives. <i>Biotechnology Journal</i> , 2015 , 10, 979-94	5.6	82
134	Novel personalized pathway-based metabolomics models reveal key metabolic pathways for breast cancer diagnosis. <i>Genome Medicine</i> , 2016 , 8, 34	14.4	8o
133	A novel low-parameter computational model to aid in-silico glycoengineering. <i>BMC Proceedings</i> , 2015 , 9,	2.3	78
132	A Markov chain model for N-linked protein glycosylationtowards a low-parameter tool for model-driven glycoengineering. <i>Metabolic Engineering</i> , 2016 , 33, 52-66	9.7	66

131	The evolution of genome-scale models of cancer metabolism. Frontiers in Physiology, 2013, 4, 237	4.6	63
130	A Multiscale Map of the Stem Cell State in Pancreatic Adenocarcinoma. <i>Cell</i> , 2019 , 177, 572-586.e22	56.2	56
129	A reference genome of the Chinese hamster based on a hybrid assembly strategy. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 2087-2100	4.9	55
128	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. <i>Molecular Systems Biology</i> , 2015 , 11, 841	12.2	53
127	Systems glycobiology for glycoengineering. Current Opinion in Biotechnology, 2014, 30, 218-24	11.4	47
126	The emerging role of systems biology for engineering protein production in CHO cells. <i>Current Opinion in Biotechnology</i> , 2018 , 51, 64-69	11.4	46
125	Gene expression profiling and the use of genome-scale in silico models of Escherichia coli for analysis: providing context for content. <i>Journal of Bacteriology</i> , 2009 , 191, 3437-44	3.5	43
124	Do genome-scale models need exact solvers or clearer standards?. <i>Molecular Systems Biology</i> , 2015 , 11, 831	12.2	41
123	Deletion of genes encoding cytochrome oxidases and quinol monooxygenase blocks the aerobic-anaerobic shift in Escherichia coli K-12 MG1655. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 6529-40	4.8	41
122	Ribosome profiling-guided depletion of an mRNA increases cell growth rate and protein secretion. <i>Scientific Reports</i> , 2017 , 7, 40388	4.9	39
121	PinAPL-Py: A comprehensive web-application for the analysis of CRISPR/Cas9 screens. <i>Scientific Reports</i> , 2017 , 7, 15854	4.9	38
120	Increasing consensus of context-specific metabolic models by integrating data-inferred cell functions. <i>PLoS Computational Biology</i> , 2019 , 15, e1006867	5	37
119	Optimizing eukaryotic cell hosts for protein production through systems biotechnology and genome-scale modeling. <i>Biotechnology Journal</i> , 2015 , 10, 939-49	5.6	37
118	Genome-scale reconstructions of the mammalian secretory pathway predict metabolic costs and limitations of protein secretion. <i>Nature Communications</i> , 2020 , 11, 68	17.4	37
117	The Emerging Facets of Non-Cancerous Warburg Effect. Frontiers in Endocrinology, 2017, 8, 279	5.7	35
116	Prenatal Origins of ASD: The When, What, and How of ASD Development. <i>Trends in Neurosciences</i> , 2020 , 43, 326-342	13.3	34
115	Large-scale associations between the leukocyte transcriptome and BOLD responses to speech differ in autism early language outcome subtypes. <i>Nature Neuroscience</i> , 2018 , 21, 1680-1688	25.5	32
114	JSBML 1.0: providing a smorgasbord of options to encode systems biology models. <i>Bioinformatics</i> , 2015 , 31, 3383-6	7.2	31

(2018-2014)

113	Minimal metabolic pathway structure is consistent with associated biomolecular interactions. <i>Molecular Systems Biology</i> , 2014 , 10, 737	12.2	31
112	A perturbed gene network containing PI3K-AKT, RAS-ERK and WNT-Etatenin pathways in leukocytes is linked to ASD genetics and symptom severity. <i>Nature Neuroscience</i> , 2019 , 22, 1624-1634	25.5	31
111	Quantitative feature extraction from the Chinese hamster ovary bioprocess bibliome using a novel meta-analysis workflow. <i>Biotechnology Advances</i> , 2016 , 34, 621-633	17.8	30
110	Elucidation of the CHO Super-Ome (CHO-SO) by Proteoinformatics. <i>Journal of Proteome Research</i> , 2015 , 14, 4687-703	5.6	29
109	Characterizing posttranslational modifications in prokaryotic metabolism using a multiscale workflow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 11096-11101	11.5	28
108	Dual RNA-seq identifies human mucosal immunity protein Mucin-13 as a hallmark of Plasmodium exoerythrocytic infection. <i>Nature Communications</i> , 2019 , 10, 488	17.4	27
107	Assessing key decisions for transcriptomic data integration in biochemical networks. <i>PLoS Computational Biology</i> , 2019 , 15, e1007185	5	26
106	The role of cellular objectives and selective pressures in metabolic pathway evolution. <i>Current Opinion in Biotechnology</i> , 2011 , 22, 595-600	11.4	26
105	Memote: A community driven effort towards a standardized genome-scale metabolic model test suite		26
104	Multiplex secretome engineering enhances recombinant protein production and purity. <i>Nature Communications</i> , 2020 , 11, 1908	17.4	26
103	Improvements in protein production in mammalian cells from targeted metabolic engineering. <i>Current Opinion in Systems Biology</i> , 2017 , 6, 1-6	3.2	23
102	Reduced apoptosis in Chinese hamster ovary cells via optimized CRISPR interference. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1813-1819	4.9	23
101	Revealing Key Determinants of Clonal Variation in Transgene Expression in Recombinant CHO Cells Using Targeted Genome Editing. <i>ACS Synthetic Biology</i> , 2018 , 7, 2867-2878	5.7	23
100	Modeling Meets Metabolomics-The WormJam Consensus Model as Basis for Metabolic Studies in the Model Organism. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 96	5.6	23
99	Predictive glycoengineering of biosimilars using a Markov chain glycosylation model. <i>Biotechnology Journal</i> , 2017 , 12, 1600489	5.6	22
98	Whole-Genome Sequencing of Invasion-Resistant Cells Identifies Laminin 2 as a Host Factor for Bacterial Invasion. <i>MBio</i> , 2017 , 8,	7.8	21
97	Proteomic atlas of organ vasculopathies triggered by Staphylococcus aureus sepsis. <i>Nature Communications</i> , 2019 , 10, 4656	17.4	20
96	Minimizing Clonal Variation during Mammalian Cell Line Engineering for Improved Systems Biology Data Generation. <i>ACS Synthetic Biology</i> , 2018 , 7, 2148-2159	5.7	19

95	What CHO is made of: Variations in the biomass composition of Chinese hamster ovary cell lines. <i>Metabolic Engineering</i> , 2020 , 61, 288-300	9.7	18
94	Functional interrogation of Plasmodium genus metabolism identifies species- and stage-specific differences in nutrient essentiality and drug targeting. <i>PLoS Computational Biology</i> , 2018 , 14, e1005895	5	18
93	Hierarchical cortical transcriptome disorganization in autism. <i>Molecular Autism</i> , 2017 , 8, 29	6.5	18
92	Dietary serine-microbiota interaction enhances chemotherapeutic toxicity without altering drug conversion. <i>Nature Communications</i> , 2020 , 11, 2587	17.4	18
91	Mitigating Clonal Variation in Recombinant Mammalian Cell Lines. <i>Trends in Biotechnology</i> , 2019 , 37, 931-942	15.1	17
90	From Genotype to Phenotype: Augmenting Deep Learning with Networks and Systems Biology. Current Opinion in Systems Biology, 2019 , 15, 68-73	3.2	17
89	A metabolic network-based approach for developing feeding strategies for CHO cells to increase monoclonal antibody production. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 1381-1389	3.7	17
88	A proof for loop-law constraints in stoichiometric metabolic networks. <i>BMC Systems Biology</i> , 2012 , 6, 140	3.5	17
87	Awakening dormant glycosyltransferases in CHO cells with CRISPRa. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 593-598	4.9	17
86	A Systems View of the Heparan Sulfate Interactome. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 69, 105-119	3.4	17
85	Ptpn6 inhibits caspase-8- and Ripk3/Mlkl-dependent inflammation. <i>Nature Immunology</i> , 2020 , 21, 54-64	19.1	16
84	Modulating carbohydrate-protein interactions through glycoengineering of monoclonal antibodies to impact cancer physiology. <i>Current Opinion in Structural Biology</i> , 2016 , 40, 104-111	8.1	15
83	Systems analysis of host-parasite interactions. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2015 , 7, 381-400	6.6	15
82	The lytic polysaccharide monooxygenase CbpD promotes Pseudomonas aeruginosa virulence in systemic infection. <i>Nature Communications</i> , 2021 , 12, 1230	17.4	15
81	Bacterial modification of the host glycosaminoglycan heparan sulfate modulates SARS-CoV-2 infectivity 2020 ,		14
80	A genome-scale metabolic network model and machine learning predict amino acid concentrations in Chinese Hamster Ovary cell cultures. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2118-2123	4.9	14
79	Systematic Evaluation of Site-Specific Recombinant Gene Expression for Programmable Mammalian Cell Engineering. <i>ACS Synthetic Biology</i> , 2019 , 8, 758-774	5.7	13
78	Proteogenomic Annotation of Chinese Hamsters Reveals Extensive Novel Translation Events and Endogenous Retroviral Elements. <i>Journal of Proteome Research</i> , 2019 , 18, 2433-2445	5.6	12

(2021-2020)

77	A Markov model of glycosylation elucidates isozyme specificity and glycosyltransferase interactions for glycoengineering. <i>Current Research in Biotechnology</i> , 2020 , 2, 22-36	4.8	12
76	Coordinate regulation of systemic and kidney tryptophan metabolism by the drug transporters OAT1 and OAT3. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100575	5.4	12
75	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	11.5	11
74	Big-Data Glycomics: Tools to Connect Glycan Biosynthesis to Extracellular Communication. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 284-300	10.3	11
73	Multi-tissue computational modeling analyzes pathophysiology of type 2 diabetes in MKR mice. <i>PLoS ONE</i> , 2014 , 9, e102319	3.7	10
72	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor 2020 ,		9
71	Combating viral contaminants in CHO cells by engineering innate immunity. <i>Scientific Reports</i> , 2019 , 9, 8827	4.9	8
70	From random mutagenesis to systems biology in metabolic engineering of mammalian cells. <i>Pharmaceutical Bioprocessing</i> , 2014 , 2, 355-358		8
69	Inferring a spatial code of cell-cell interactions across a whole animal bodys		8
68	Increased Production of LIGHT by T Cells in Eosinophilic Esophagitis Promotes Differentiation of Esophageal Fibroblasts Toward an Inflammatory Phenotype. <i>Gastroenterology</i> , 2020 , 159, 1778-1792.e1	133.3	8
67	A consensus-based and readable extension of near de for eaction ules (LiCoRR). <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2645-2662	2.5	8
66	Immune response to intravenous immunoglobulin in patients with Kawasaki disease and MIS-C. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	7
65	StanDep: Capturing transcriptomic variability improves context-specific metabolic models. <i>PLoS Computational Biology</i> , 2020 , 16, e1007764	5	6
64	A metabolic CRISPR-Cas9 screen in Chinese hamster ovary cells identifies glutamine-sensitive genes. <i>Metabolic Engineering</i> , 2021 , 66, 114-122	9.7	6
63	Hierarchical cortical transcriptome disorganization in autism		5
62	Assessing key decisions for transcriptomic data integration in biochemical networks		5
61	On the impact of biomass composition in constraint-based flux analysis		5
60	Systematically gap-filling the genome-scale metabolic model of CHO cells. <i>Biotechnology Letters</i> , 2021 , 43, 73-87	3	5

59	A unique esophageal extracellular matrix proteome alters normal fibroblast function in severe eosinophilic esophagitis. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 486-494	11.5	5
58	Increased mAb production in amplified CHO cell lines is associated with increased interaction of CREB1 with transgene promoter. <i>Current Research in Biotechnology</i> , 2019 , 1, 49-57	4.8	4
57	Type 2 Immunity and Age Modify Gene Expression of Coronavirus-induced Disease 2019 Receptors in Eosinophilic Gastrointestinal Disorders. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021 , 72, 718-722	2.8	4
56	Correcting for sparsity and non-independence in glycomic data through a systems biology framework		4
55	Genome-wide screens uncover KDM2B as a modifier of protein binding to heparan sulfate. <i>Nature Chemical Biology</i> , 2021 , 17, 684-692	11.7	4
54	An integrated modular framework for modeling the effect of ammonium on the sialylation process of monoclonal antibodies produced by CHO cells. <i>Biotechnology Journal</i> , 2021 , 16, e2100019	5.6	4
53	Neural responses to affective speech, including motherese, map onto clinical and social eye tracking profiles in toddlers with ASD <i>Nature Human Behaviour</i> , 2022 ,	12.8	3
52	Genome-scale reconstructions of the mammalian secretory pathway predict metabolic costs and limitations of protein secretion		3
51	What does your cell really do? Model-based assessment of mammalian cells metabolic functionalities using omics data		3
50	A perturbed gene network containing PI3K/AKT, RAS/ERK, WNT/Etatenin pathways in leukocytes is linked to ASD genetics and symptom severity		3
49	Multiplex secretome engineering enhances recombinant protein production and purity		3
48	Model-based assessment of mammalian cell metabolic functionalities using omics data. <i>Cell Reports Methods</i> , 2021 , 1, 100040-100040		3
47	Systematic evaluation of parameters for genome-scale metabolic models of cultured mammalian cells. <i>Metabolic Engineering</i> , 2021 , 66, 21-30	9.7	3
46	Correcting for sparsity and interdependence in glycomics by accounting for glycan biosynthesis. <i>Nature Communications</i> , 2021 , 12, 4988	17.4	3
45	Context-aware deconvolution of cell-cell communication with Tensor-cell2cell		3
44	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing. <i>BMC Genomics</i> , 2021 , 22, 69	4.5	3
43	Systematically gap-filling the genome-scale metabolic model of CHO cells		2
42	A metabolic CRISPR-Cas9 screen in Chinese hamster ovary cells identifies glutamine-sensitive genes		2

41	Systematic evaluation of parameters for genome-scale metabolic models of cultured mammalian cells		2
40	Elucidating Human Milk Oligosaccharide biosynthetic genes through network-based multiomics integra	tion	2
39	A genome-scale metabolic network model and machine learning predict amino acid concentrations in Chinese Hamster Ovary cell cultures		2
38	A metabolic network-based approach for developing feeding strategies for CHO cells to increase monoclonal antibody production		2
37	Systems glycobiology for discovering drug targets, biomarkers, and rational designs for glyco-immunotherapy. <i>Journal of Biomedical Science</i> , 2021 , 28, 50	13.3	2
36	LIGHT controls distinct homeostatic and inflammatory gene expression profiles in esophageal fibroblasts via differential HVEM and LTR-mediated mechanisms <i>Mucosal Immunology</i> , 2021 ,	9.2	2
35	Enhancing Product and Bioprocess Attributes Using Genome-Scale Models of CHO Metabolism 2019 , 73-95		1
34	A consensus-based and readable extension of Linear Code for Reaction Rules (LiCoRR)		1
33	CHOmics: A web-based tool for multi-omics data analysis and interactive visualization in CHO cell lines. <i>PLoS Computational Biology</i> , 2020 , 16, e1008498	5	1
32	Systemic post-translational control of bacterial metabolism regulates adaptation in dynamic environme	nts	1
31	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing		1
30	Using targeted genome integration for virus-free genome-wide mammalian CRISPR screen		1
29	Dysregulation of the secretory pathway connects Alzheimer disease genetics to aggregate formation		1
28	StanDep: capturing transcriptomic variability improves context-specific metabolic models		1
27	A Chinese hamster transcription start site atlas that enables targeted editing of CHO cells. <i>NAR Genomics and Bioinformatics</i> , 2021 , 3, lqab061	3.7	1
26	In situ detection of protein interactions for recombinant therapeutic enzymes. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 890-904	4.9	1
25	An optimized genome-wide, virus-free CRISPR screen for mammalian cells <i>Cell Reports Methods</i> , 2021 , 1, 100062-100062		1
24	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021 , 7, eabh1663	14.3	1

23	Dysregulation of the secretory pathway connects Alzheimer's disease genetics to aggregate formation. <i>Cell Systems</i> , 2021 , 12, 873-884.e4	10.6	1
22	Elucidating Human Milk Oligosaccharide biosynthetic genes through network-based multi-omics integration <i>Nature Communications</i> , 2022 , 13, 2455	17.4	1
21	Valine feeding reduces ammonia production through rearrangement of metabolic fluxes in central carbon metabolism of CHO cells <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 1113	5.7	0
20	From omics to cellular mechanisms in mammalian cell factory development. <i>Current Opinion in Chemical Engineering</i> , 2021 , 32, 100688	5.4	O
19	Synergisms of machine learning and constraint-based modeling of metabolism for analysis and optimization of fermentation parameters. <i>Biotechnology Journal</i> , 2021 , 16, e2100212	5.6	O
18	Endothelial Heparan Sulfate Mediates Hepatic Neutrophil Trafficking and Injury during Staphylococcus aureus Sepsis. <i>MBio</i> , 2021 , 12, e0118121	7.8	O
17	Adaption of Generic Metabolic Models to Specific Cell Lines for Improved Modeling of Biopharmaceutical Production and Prediction of Processes 2019 , 127-162		
16	Reconstruction of Genome-Scale Metabolic Networks 2013 , 229-250		
15	A novel systems-level approach to unravel the regulation and biosynthetic steps of glycosylation. <i>FASEB Journal</i> , 2018 , 32, 544.23	0.9	
14	Encoding and Estimating the Remarkable Diversity of Possible Sialyltrisaccharides in Nature. <i>FASEB Journal</i> , 2018 , 32, 673.22	0.9	
13	Genome-scale reconstructions of the mammalian secretory pathway predict metabolic costs and limitations of protein synthesis and secretion. <i>FASEB Journal</i> , 2018 , 32, 526.18	0.9	
12	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
11	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
10	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
9	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
8	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
7	StanDep: Capturing transcriptomic variability improves context-specific metabolic models 2020 , 16, e1	1007764	4
6	CHOmics: A web-based tool for multi-omics data analysis and interactive visualization in CHO cell lines 2020 , 16, e1008498		

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- CHOmics: A web-based tool for multi-omics data analysis and interactive visualization in CHO cell lines **2020**, 16, e1008498
- CHOmics: A web-based tool for multi-omics data analysis and interactive visualization in CHO cell lines **2020**, 16, e1008498
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