

# Avlant Nilsson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6929792/publications.pdf>

Version: 2024-02-01

13  
papers

1,558  
citations

933447

10  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

2204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recon3D enables a three-dimensional view of gene variation in human metabolism. <i>Nature Biotechnology</i> , 2018, 36, 272-281.	17.5	520
2	Improving the phenotype predictions of a yeast genome-scale metabolic model by incorporating enzymatic constraints. <i>Molecular Systems Biology</i> , 2017, 13, 935.	7.2	367
3	An atlas of human metabolism. <i>Science Signaling</i> , 2020, 13, .	3.6	223
4	Metabolic Trade-offs in Yeast are Caused by F1FO-ATP synthase. <i>Scientific Reports</i> , 2016, 6, 22264.	3.3	121
5	Genome scale metabolic modeling of cancer. <i>Metabolic Engineering</i> , 2017, 43, 103-112.	7.0	87
6	Metabolic Models of Protein Allocation Call for the Kinetome. <i>Cell Systems</i> , 2017, 5, 538-541.	6.2	71
7	Quantitative analysis of amino acid metabolism in liver cancer links glutamate excretion to nucleotide synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10294-10304.	7.1	45
8	BioMet Toolbox 2.0: genome-wide analysis of metabolism and omics data. <i>Nucleic Acids Research</i> , 2014, 42, W175-W181.	14.5	40
9	Complex I is bypassed during high intensity exercise. <i>Nature Communications</i> , 2019, 10, 5072.	12.8	32
10	Predicting growth of the healthy infant using a genome scale metabolic model. <i>Npj Systems Biology and Applications</i> , 2017, 3, 3.	3.0	22
11	Artificial neural networks enable genome-scale simulations of intracellular signaling. <i>Nature Communications</i> , 2022, 13, .	12.8	17
12	Metabolite Depletion Affects Flux Profiling of Cell Lines. <i>Trends in Biochemical Sciences</i> , 2018, 43, 395-397.	7.5	8
13	A dedicated database system for handling multi-level data in systems biology. <i>Source Code for Biology and Medicine</i> , 2014, 9, 17.	1.7	2