Dimitris Christodoulou

List of Publications by Year
in descending order

10	824	1040056 9	1474206 9
papers	citations	h-index	g-index

11	11	11	1040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reserve Flux Capacity in the Pentose Phosphate Pathway Enables Escherichia coli's Rapid Response to Oxidative Stress. Cell Systems, 2018, 6, 569-578.e7.	6.2	162
2	A universal trade-off between growth and lag in fluctuating environments. Nature, 2020, 584, 470-474.	27.8	139
3	Pseudo-transition Analysis Identifies the Key Regulators of Dynamic Metabolic Adaptations from Steady-State Data. Cell Systems, 2015, 1, 270-282.	6.2	133
4	Few regulatory metabolites coordinate expression of central metabolic genes in Escherichia coli. Molecular Systems Biology, 2017, 13, 903.	7.2	129
5	Advancing metabolic models with kinetic information. Current Opinion in Biotechnology, 2014, 29, 8-14.	6.6	99
6	Genome-Scale Architecture of Small Molecule Regulatory Networks and the Fundamental Trade-Off between Regulation and Enzymatic Activity. Cell Reports, 2017, 20, 2666-2677.	6.4	70
7	Reserve Flux Capacity in the Pentose Phosphate Pathway by NADPH Binding Is Conserved across Kingdoms. IScience, 2019, 19, 1133-1144.	4.1	44
8	Capacity for instantaneous catabolism of preferred and non-preferred carbon sources in Escherichia coli and Bacillus subtilis. Scientific Reports, 2018, 8, 11760.	3.3	26
9	Glycolysis/gluconeogenesis specialization in microbes is driven by biochemical constraints of flux sensing. Molecular Systems Biology, 2022, 18, e10704.	7.2	21
10	Genome-Scale Architecture of Small Molecule Regulatory Networks and the Fundamental Trade-Off Between Regulation and Enzymatic Activity. SSRN Electronic Journal, 0, , .	0.4	0