Markus Basan

List of Publications by Year
in descending order

12	1,543	840776 11	1199594 12
papers	citations	h-index	g-index

15	15	15	1808
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glycolysis/gluconeogenesis specialization in microbes is driven by biochemical constraints of flux sensing. Molecular Systems Biology, 2022, 18, e10704.	7.2	21
2	Multi-parametric functional imaging of cell cultures and tissues with a CMOS microelectrode array. Lab on A Chip, 2022, 22, 1286-1296.	6.0	20
3	Protein and lipid mass concentration measurement in tissues by stimulated Raman scattering microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117938119.	7.1	46
4	A universal trade-off between growth and lag in fluctuating environments. Nature, 2020, 584, 470-474.	27.8	139
5	Implications of initial physiological conditions for bacterial adaptation to changing environments. Molecular Systems Biology, 2020, 16, e9965.	7.2	4
6	Resource allocation and metabolism: the search for governing principles. Current Opinion in Microbiology, 2018, 45, 77-83.	5.1	47
7	ArcA overexpression induces fermentation and results in enhanced growth rates of E. coli. Scientific Reports, 2017, 7, 11866.	3.3	32
8	Inflating bacterial cells by increased protein synthesis. Molecular Systems Biology, 2015, 11, 836.	7.2	164
9	Quantitative proteomic analysis reveals a simple strategy of global resource allocation in bacteria. Molecular Systems Biology, 2015, 11, 784.	7.2	291
10	Overflow metabolism in Escherichia coli results from efficient proteome allocation. Nature, 2015, 528, 99-104.	27.8	566
11	Intercellular Stress Reconstitution from Traction Force Data. Biophysical Journal, 2014, 107, 548-554.	0.5	28
12	Alignment of cellular motility forces with tissue flow as a mechanism for efficient wound healing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2452-2459.	7.1	184