Katharina PflÃ¼ger-Grau

List of Publications by Year
in descending order

19 papers	573 citations	759233 12 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	670 citing authors

#	Article	IF	Citations
1	Regulatory roles of the bacterial nitrogen-related phosphotransferase system. Trends in Microbiology, 2010, 18, 205-214.	7.7	127
2	Photoautotrophic production of polyhydroxyalkanoates in a synthetic mixed culture of Synechococcus elongatus cscB and Pseudomonas putida cscAB. Biotechnology for Biofuels, 2017, 10, 190.	6.2	82
3	Regulatory Tasks of the Phosphoenolpyruvate-Phosphotransferase System of Pseudomonas putida in Central Carbon Metabolism. MBio, 2012, 3, .	4.1	78
4	Osmoregulation in the Halophilic Bacterium Halomonas elongata: A Case Study for Integrative Systems Biology. PLoS ONE, 2017, 12, e0168818.	2.5	49
5	Immobilization of PETase enzymes on magnetic iron oxide nanoparticles for the decomposition of microplastic PET. Nanoscale Advances, 2021, 3, 4395-4399.	4.6	34
6	The interplay of the EIIANtr component of the nitrogen-related phosphotransferase system (PTSNtr) of Pseudomonas putida with pyruvate dehydrogenase. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 995-1005.	2.4	32
7	Metabolic engineering to expand the substrate spectrum of Pseudomonas putida toward sucrose. MicrobiologyOpen, 2017, 6, e00473.	3.0	27
8	From the phosphoenolpyruvate phosphotransferase system to selfish metabolism: a story retraced inPseudomonas putida. FEMS Microbiology Letters, 2014, 356, 144-153.	1.8	26
9	Engineering sucrose metabolism in Pseudomonas putida highlights the importance of porins. Microbial Biotechnology, 2020, 13, 97-106.	4.2	23
10	Trehalose production by Cupriavidus necator from CO2 and hydrogen gas. Bioresource Technology, 2021, 319, 124169.	9.6	23
11	Cra regulates the crossâ€talk between the two branches of the phosphoenolpyruvateâ€ƒ:â€ƒphosphotransferase system of Pseudomonas putida. Environmental Microbiology, 2013, 15, 121-132.	3.8	18
12	Interplay of the <scp>PtsN</scp> (<scp>EIIA</scp>^{Ntr}) protein of <scp>P</scp>seudomonas putida with its target sensor kinase <scp>KdpD</scp>. Environmental Microbiology Reports, 2015, 7, 899-907.	2.4	14
13	A Nitrate-Blind P. putida Strain Boosts PHA Production in a Synthetic Mixed Culture. Frontiers in Bioengineering and Biotechnology, 2020, 8, 486.	4.1	9
14	Adaptation to Varying Salinity in Halomonas elongata: Much More Than Ectoine Accumulation. Frontiers in Microbiology, 2022, 13, 846677.	3.5	8
15	Streamlining of a synthetic coâ€culture towards an individually controllable oneâ€pot process for polyhydroxyalkanoate production from light and CO₂. Engineering in Life Sciences, 2023, 23, .	3.6	7
16	Anaplerotic Pathways in Halomonas elongata: The Role of the Sodium Gradient. Frontiers in Microbiology, 2020, 11, 561800.	3.5	6
17	Modeling and analysis of flux distributions in the two branches of the phosphotransferase system in Pseudomonas putida. BMC Systems Biology, 2012, 6, 149.	3.0	5
18	An automated and parallelised DIY-dosing unit for individual and complex feeding profiles: Construction, validation and applications. PLoS ONE, 2019, 14, e0217268.	2.5	3

#	Article	IF	Citations
19	pTRA â€“ A reporter system for monitoring the intracellular dynamics of gene expression. PLoS ONE, 2018, 13, e0197420.	2.5	1