

Katharina Pfl¹/₄ger-Grau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6383637/publications.pdf>

Version: 2024-02-01

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	Streamlining of a synthetic co-culture towards an individually controllable one-pot process for polyhydroxyalkanoate production from light and CO ₂ . <i>Engineering in Life Sciences</i> , 2023, 23, .	3.6	7
2	Adaptation to Varying Salinity in <i>Halomonas elongata</i> : Much More Than Ectoine Accumulation. <i>Frontiers in Microbiology</i> , 2022, 13, 846677.	3.5	8
3	Trehalose production by <i>Cupriavidus necator</i> from CO ₂ and hydrogen gas. <i>Bioresource Technology</i> , 2021, 319, 124169.	9.6	23
4	Immobilization of PETase enzymes on magnetic iron oxide nanoparticles for the decomposition of microplastic PET. <i>Nanoscale Advances</i> , 2021, 3, 4395-4399.	4.6	34
5	Engineering sucrose metabolism in <i>Pseudomonas putida</i> highlights the importance of porins. <i>Microbial Biotechnology</i> , 2020, 13, 97-106.	4.2	23
6	Anaplerotic Pathways in <i>Halomonas elongata</i> : The Role of the Sodium Gradient. <i>Frontiers in Microbiology</i> , 2020, 11, 561800.	3.5	6
7	A Nitrate-Blind <i>P. putida</i> Strain Boosts PHA Production in a Synthetic Mixed Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 486.	4.1	9
8	An automated and parallelised DIY-dosing unit for individual and complex feeding profiles: Construction, validation and applications. <i>PLoS ONE</i> , 2019, 14, e0217268.	2.5	3
9	pTRA - A reporter system for monitoring the intracellular dynamics of gene expression. <i>PLoS ONE</i> , 2018, 13, e0197420.	2.5	1
10	Metabolic engineering to expand the substrate spectrum of <i>Pseudomonas putida</i> toward sucrose. <i>MicrobiologyOpen</i> , 2017, 6, e00473.	3.0	27
11	Osmoregulation in the Halophilic Bacterium <i>Halomonas elongata</i> : A Case Study for Integrative Systems Biology. <i>PLoS ONE</i> , 2017, 12, e0168818.	2.5	49
12	Photoautotrophic production of polyhydroxyalkanoates in a synthetic mixed culture of <i>Synechococcus elongatus</i> cscB and <i>Pseudomonas putida</i> cscAB. <i>Biotechnology for Biofuels</i> , 2017, 10, 190.	6.2	82
13	Interplay of the PtsN (EIIA ^{Ntr}) protein of <i>Pseudomonas putida</i> with its target sensor kinase KdpD. <i>Environmental Microbiology Reports</i> , 2015, 7, 899-907.	2.4	14
14	From the phosphoenolpyruvate phosphotransferase system to selfish metabolism: a story retraced in <i>Pseudomonas putida</i> . <i>FEMS Microbiology Letters</i> , 2014, 356, 144-153.	1.8	26
15	Cra regulates the cross-talk between the two branches of the phosphoenolpyruvate-phosphotransferase system of <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2013, 15, 121-132.	3.8	18
16	Regulatory Tasks of the Phosphoenolpyruvate-Phosphotransferase System of <i>Pseudomonas putida</i> in Central Carbon Metabolism. <i>MBio</i> , 2012, 3, .	4.1	78
17	Modeling and analysis of flux distributions in the two branches of the phosphotransferase system in <i>Pseudomonas putida</i> . <i>BMC Systems Biology</i> , 2012, 6, 149.	3.0	5
18	The interplay of the EIINtr component of the nitrogen-related phosphotransferase system (PTS _{Ntr}) of <i>Pseudomonas putida</i> with pyruvate dehydrogenase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 995-1005.	2.4	32

#	ARTICLE	IF	CITATIONS
19	Regulatory roles of the bacterial nitrogen-related phosphotransferase system. Trends in Microbiology, 2010, 18, 205-214.	7.7	127