Peter Ruhdal Jensen

List of Publications by Year
in descending order

33 papers	1,327 citations	567281 15 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	1438 citing authors

#	Article	IF	Citations
1	The Glycolytic Flux in <i>Escherichia coli</i> Is Controlled by the Demand for ATP. Journal of Bacteriology, 2002, 184, 3909-3916.	2.2	315
2	Minimal Requirements for Exponential Growth of <i>Lactococcus lactis</i>. Applied and Environmental Microbiology, 1993, 59, 4363-4366.	3.1	301
3	Metabolic and Transcriptional Response to Cofactor Perturbations in Escherichia coli. Journal of Biological Chemistry, 2010, 285, 17498-17506.	3.4	115
4	A novel cell factory for efficient production of ethanol from dairy waste. Biotechnology for Biofuels, 2016, 9, 33.	6.2	59
5	Expression of Genes Encoding F ₁ -ATPase Results in Uncoupling of Glycolysis from Biomass Production in <i>Lactococcus lactis</i>. Applied and Environmental Microbiology, 2002, 68, 4274-4282.	3.1	58
6	Combining metabolic engineering and biocompatible chemistry for high-yield production of homo-diacetyl and homo-(S,S)-2,3-butanediol. Metabolic Engineering, 2016, 36, 57-67.	7.0	57
7	Rewiring Lactococcus lactis for Ethanol Production. Applied and Environmental Microbiology, 2013, 79, 2512-2518.	3.1	48
8	Oxidative Stress at High Temperatures in Lactococcus lactis Due to an Insufficient Supply of Riboflavin. Applied and Environmental Microbiology, 2013, 79, 6140-6147.	3.1	47
9	Stimulation of acetoin production in metabolically engineered Lactococcus lactis by increasing ATP demand. Applied Microbiology and Biotechnology, 2016, 100, 9509-9517.	3.6	41
10	Systems Biology â€“ A Guide for Understanding and Developing Improved Strains of Lactic Acid Bacteria. Frontiers in Microbiology, 2019, 10, 876.	3.5	34
11	Harnessing the respiration machinery for high-yield production of chemicals in metabolically engineered Lactococcus lactis. Metabolic Engineering, 2017, 44, 22-29.	7.0	30
12	From Waste to Tasteâ€"Efficient Production of the Butter Aroma Compound Acetoin from Low-Value Dairy Side Streams Using a Natural (Nonengineered) <i>Lactococcus lactis</i> Dairy Isolate. Journal of Agricultural and Food Chemistry, 2020, 68, 5891-5899.	5.2	22
13	Polyamines are essential for virulence in Salmonella enterica serovar Gallinarum despite evolutionary decay of polyamine biosynthesis genes. Veterinary Microbiology, 2014, 170, 144-150.	1.9	20
14	Estimating biological elementary flux modes that decompose a flux distribution by the minimal branching property. Bioinformatics, 2014, 30, 3232-3239.	4.1	18
15	Re-wiring of energy metabolism promotes viability during hyperreplication stress in E. coli. PLoS Genetics, 2017, 13, e1006590.	3.5	18
16	Cofactor Engineering Redirects Secondary Metabolism and Enhances Erythromycin Production in <i>Saccharopolyspora erythraea</i>. ACS Synthetic Biology, 2020, 9, 655-670.	3.8	18
17	Droplet-Based Microfluidic High Throughput Screening of Corynebacterium glutamicum for Efficient Heterologous Protein Production and Secretion. Frontiers in Bioengineering and Biotechnology, 2021, 9, 668513.	4.1	16
18	Droplet-based microfluidics as a future tool for strain improvement in lactic acid bacteria. FEMS Microbiology Letters, 2018, 365, .	1.8	11

#	Article	IF	Citations
19	Efficient Production of Nisin A from Low-Value Dairy Side Streams Using a Nonengineered Dairy <i>Lactococcus lactis</i> Strain with Low Lactate Dehydrogenase Activity. Journal of Agricultural and Food Chemistry, 2021, 69, 2826-2835.	5.2	11
20	Harnessing lactic acid bacteria in synthetic microbial consortia. Trends in Biotechnology, 2022, 40, 8-11.	9.3	11
21	Can microbes compete with cows for sustainable protein production - A feasibility study on high quality protein. Scientific Reports, 2016, 6, 36421.	3.3	10
22	Harnessing Adaptive Evolution to Achieve Superior Mannitol Production by <i>Lactococcus lactis</i> Using Its Native Metabolism. Journal of Agricultural and Food Chemistry, 2020, 68, 4912-4921.	5.2	9
23	Food grade microbial synthesis of the butter aroma compound butanedione using engineered and non-engineered Lactococcus lactis. Metabolic Engineering, 2021, 67, 443-452.	7.0	9
24	Harnessing biocompatible chemistry for developing improved and novel microbial cell factories. Microbial Biotechnology, 2020, 13, 54-66.	4.2	8
25	Deciphering the Regulation of the Mannitol Operon Paves the Way for Efficient Production of Mannitol in Lactococcus lactis. Applied and Environmental Microbiology, 2021, 87, e0077921.	3.1	7
26	Energy Starvation Induces a Cell Cycle Arrest in Escherichia coli by Triggering Degradation of the DnaA Initiator Protein. Frontiers in Molecular Biosciences, 2021, 8, 629953.	3.5	6
27	Complete Genome Sequence of Lactococcus lactis subsp. <i>lactis</i> bv. diacetylactis SD96. Microbiology Resource Announcements, 2020, 9, .	0.6	5
28	No more cleaning up -ÂEfficient lactic acid bacteria cell catalysts as a cost-efficient alternative to purified lactase enzymes. Applied Microbiology and Biotechnology, 2020, 104, 6315-6323.	3.6	5
29	Synergy at work: linking the metabolism of two lactic acid bacteria to achieve superior production of 2-butanol. Biotechnology for Biofuels, 2020, 13, 45.	6.2	5
30	Purified lactases versus whole-cell lactasesâ€"the winner takes it all. Applied Microbiology and Biotechnology, 2021, 105, 4943-4955.	3.6	5
31	Harnessing cross-resistance â€" Sustainable nisin production from low-value food side streams using a Lactococcus lactis mutant with higher nisin-resistance obtained after prolonged chlorhexidine exposure. Bioresource Technology, 2022, 348, 126776.	9.6	4
32	The Expression of NOX From Synthetic Promoters Reveals an Important Role of the Redox Status in Regulating Secondary Metabolism of Saccharopolyspora erythraea. Frontiers in Bioengineering and Biotechnology, 2020, 8, 818.	4.1	3
33	Draft Genome Sequence of <i>Hymenobacter</i> sp. Strain AT01-02, Isolated from a Surface Soil Sample in the Atacama Desert, Chile. Genome Announcements, 2016, 4, .	0.8	1