Peter DÃ¼rre

List of Publications by Year
in descending order

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75 papers	5,013 citations	136740 32 h-index	95083 68 g-index
81 all docs	81 docs citations	81 times ranked	3720 citing authors

#	Article	IF	Citations
1	Engineering Acetobacterium woodii for the production of isopropanol and acetone from carbon dioxide and hydrogen. Biotechnology Journal, 2022, 17, e2100515.	1.8	18
2	Autotrophic lactate production from H2â€‰+â€‰CO2 using recombinant and fluorescent FAST-tagged Acetobacterium woodii strains. Applied Microbiology and Biotechnology, 2022, 106, 1447-1458.	1.7	17
3	Establishment of Green- and Red-Fluorescent Reporter Proteins Based on the Fluorescence-Activating and Absorption-Shifting Tag for Use in Acetogenic and Solventogenic Anaerobes. ACS Synthetic Biology, 2022, 11, 953-967.	1.9	11
4	Increased Butyrate Production in Clostridium saccharoperbutylacetonicum from Lignocellulose-Derived Sugars. Applied and Environmental Microbiology, 2022, , e0241921.	1.4	3
5	Identifying and Engineering Bottlenecks of Autotrophic Isobutanol Formation in Recombinant C. ljungdahlii by Systemic Analysis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 647853.	2.0	10
6	Production of the biocommodities butanol and acetone from methanol with fluorescent FAST-tagged proteins using metabolically engineered strains of Eubacterium limosum. Biotechnology for Biofuels, 2021, 14, 117.	6.2	36
7	Investigation of putative genes for the production of medium-chained acids and alcohols in autotrophic acetogenic bacteria. Metabolic Engineering, 2021, 66, 296-307.	3.6	12
8	Induced heterologous expression of the arginine deiminase pathway promotes growth advantages in the strict anaerobe Acetobacterium woodii. Applied Microbiology and Biotechnology, 2020, 104, 687-699.	1.7	23
9	Genome sequence analysis of the temperate bacteriophage TBP2 of the solvent producer Clostridium saccharoperbutylacetonicum N1-4 (HMT, ATCC 27021). FEMS Microbiology Letters, 2020, 367, .	0.7	7
10	Biokatalytische Konversion. , 2020, , 99-119.		0
11	Butanol production from lignocellulosic biomass: revisiting fermentation performance indicators with exploratory data analysis. Biotechnology for Biofuels, 2019, 12, 167.	6.2	84
12	Genome Sequence of the Caproic Acid-Producing Bacterium Caproiciproducens galactitolivorans BS-1 ^T (JCM 30532). Microbiology Resource Announcements, 2019, 8, .	0.3	18
13	Anaerobic Production of Poly(3-hydroxybutyrate) and Its Precursor 3-Hydroxybutyrate from Synthesis Gas by Autotrophic Clostridia. Biomacromolecules, 2019, 20, 3271-3282.	2.6	46
14	Genome-Based Comparison of All Species of the Genus Moorella, and Status of the Species Moorella thermoacetica and Moorella thermoautotrophica. Frontiers in Microbiology, 2019, 10, 3070.	1.5	12
15	Consolidated bioprocessing of butanol production from xylan by a thermophilic and butanologenic Thermoanaerobacterium sp. M5. Biotechnology for Biofuels, 2018, 11, 89.	6.2	67
16	Bacterial Anaerobic Synthesis Gas (Syngas) and CO 2 + H 2 Fermentation. Advances in Applied Microbiology, 2018, 103, 143-221.	1.3	118
17	Using gas mixtures of CO, CO₂ and H₂ as microbial substrates: the do's and don'ts of successful technology transfer from laboratory to production scale. Microbial Biotechnology, 2018, 11, 606-625.	2.0	126
18	Microbial co-culturing systems: butanol production from organic wastes through consolidated bioprocessing. Applied Microbiology and Biotechnology, 2018, 102, 5419-5425.	1.7	34

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19	Genome Sequence of Enterococcus faecalis Strain CG_E. Genome Announcements, 2017, 5, .	0.8	0
20	Syngas Biorefinery and Syngas Utilization. Advances in Biochemical Engineering/Biotechnology, 2017, 166, 247-280.	0.6	31
21	Complete Genome Sequence of the Autotrophic Acetogen Clostridium formicaceticum DSM 92 ^T Using Nanopore and Illumina Sequencing Data. Genome Announcements, 2017, 5, .	0.8	12
22	Gas fermentation â€“ a biotechnological solution for today's challenges. Microbial Biotechnology, 2017, 10, 14-16.	2.0	23
23	Gas fermentation for commodity chemicals and fuels. Microbial Biotechnology, 2017, 10, 1167-1170.	2.0	47
24	Microbial solvent formation revisited by comparative genome analysis. Biotechnology for Biofuels, 2017, 10, 58.	6.2	60
25	Genome sequencing and description of Oerskovia enterophila VJag, an agar- and cellulose-degrading bacterium. Standards in Genomic Sciences, 2017, 12, 30.	1.5	2
26	Genome Sequence of Lactobacillus sunkii Strain CG_D. Genome Announcements, 2017, 5, .	0.8	0
27	Genome Sequence of the Facultative Anaerobe Oerskovia enterophila DFA-19 (DSM 43852 ^T) Tj ETQq1 1 0.784314 rgBT	0.8	1
28	Genome Sequence of the Acetogenic Bacterium Butyribacterium methylotrophicum DSM 3468 ^T. Genome Announcements, 2016, 4, .	0.8	13
29	Industrial Acetogenic Biocatalysts: A Comparative Metabolic and Genomic Analysis. Frontiers in Microbiology, 2016, 7, 1036.	1.5	85
30	Genome Sequence of the Acetogenic Bacterium Acetobacterium wieringae DSM 1911 ^T. Genome Announcements, 2016, 4, .	0.8	12
31	Cap0037, a Novel Global Regulator of Clostridium acetobutylicum Metabolism. MBio, 2016, 7, .	1.8	6
32	Genome Sequence of the Poly-3-Hydroxybutyrate Producer Clostridium acetireducens DSM 10703. Genome Announcements, 2016, 4, .	0.8	2
33	Draft Genome Sequence of the Strict Anaerobe Clostridium neopropionicum X4 (DSM 3847 T). Genome Announcements, 2016, 4, .	0.8	6
34	Improved operating strategy for continuous fermentation of carbon monoxide to fuel-ethanol by clostridia. Applied Energy, 2016, 169, 210-217.	5.1	55
35	Butanol formation from gaseous substrates. FEMS Microbiology Letters, 2016, 363, fnw040.	0.7	51
36	Acetone production with metabolically engineered strains of Acetobacterium woodii. Metabolic Engineering, 2016, 36, 37-47.	3.6	111

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37	Three-dimensional tumor spheroids for in vitro analysis of bacteria as gene delivery vectors in tumor therapy. Microbial Cell Factories, 2015, 14, 199.	1.9	21
38	Complete Genome Sequence of Rnf- and Cytochrome-Containing Autotrophic Acetogen Clostridium aceticum DSM 1496. Genome Announcements, 2015, 3, .	0.8	11
39	Complete Genome Sequence of the Acetogenic Bacterium Moorella thermoacetica DSM 2955 ^T. Genome Announcements, 2015, 3, .	0.8	21
40	Draft Genome Sequence of Purine-Degrading Clostridium cylindrosporum HC-1 (DSM 605). Genome Announcements, 2015, 3, .	0.8	6
41	Draft Genome Sequence of Purine-Degrading Gottschalkia purinilyticum (Formerly Clostridium) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	4
42	Draft Genome Sequence of the Strict Anaerobe Clostridium homopropionicum LuHBu1 (DSM 5847). Genome Announcements, 2015, 3, .	0.8	4
43	Complete Genome Sequence of the Type Strain of the Acetogenic Bacterium Moorella thermoacetica DSM 521 ^T. Genome Announcements, 2015, 3, .	0.8	25
44	Genome Sequence of the Acetogenic Bacterium Oxobacter pfennigii DSM 3222 ^T. Genome Announcements, 2015, 3, .	0.8	17
45	The Complete Genome Sequence of Clostridium aceticum: a Missing Link between Rnf- and Cytochrome-Containing Autotrophic Acetogens. MBio, 2015, 6, e01168-15.	1.8	75
46	Analysis of the key enzymes of butyric and acetic acid fermentation in biogas reactors. Microbial Biotechnology, 2015, 8, 865-873.	2.0	14
47	Genome sequence of Clostridium sporogenes DSM 795T, an amino acid-degrading, nontoxic surrogate of neurotoxin-producing Clostridium botulinum. Standards in Genomic Sciences, 2015, 10, 40.	1.5	13
48	Expression of the functional recombinant human glycosyltransferase GalNAcT2 in Escherichia coli. Microbial Cell Factories, 2015, 14, 3.	1.9	21
49	Energy Conservation Associated with Ethanol Formation from H ₂ and CO ₂ in Clostridium autoethanogenum Involving Electron Bifurcation. Journal of Bacteriology, 2015, 197, 2965-2980.	1.0	198
50	C1-carbon sources for chemical and fuel production by microbial gas fermentation. Current Opinion in Biotechnology, 2015, 35, 63-72.	3.3	193
51	Clostridium. , 2015, , 467-486.		1
52	Selective enhancement of autotrophic acetate production with genetically modified Acetobacterium woodii. Journal of Biotechnology, 2014, 178, 67-72.	1.9	119
53	Physiology and Sporulation in Clostridium. Microbiology Spectrum, 2014, 2, TBS-0010-2012.	1.2	80
54	Butanol fermentation. Environmental Technology (United Kingdom), 2013, 34, 1691-1710.	1.2	78

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55	Bacterial synthesis gas (syngas) fermentation. Environmental Technology (United Kingdom), 2013, 34, 1639-1651.	1.2	187
56	Clostridium difficile Is an Autotrophic Bacterial Pathogen. PLoS ONE, 2013, 8, e62157.	1.1	70
57	Riboswitch (T-box)-mediated Control of tRNA-dependent Amidation in Clostridium acetobutylicum Rationalizes Gene and Pathway Redundancy for Asparagine and Asparaginyl-tRNAAsn Synthesis. Journal of Biological Chemistry, 2012, 287, 20382-20394.	1.6	18
58	Pathway engineering and synthetic biology using acetogens. FEBS Letters, 2012, 586, 2191-2198.	1.3	225
59	Ancestral sporulation initiation. Molecular Microbiology, 2011, 80, 584-587.	1.2	17
60	Fermentative production of butanolâ€"the academic perspective. Current Opinion in Biotechnology, 2011, 22, 331-336.	3.3	144
61	Genome-Wide Gene Expression Analysis of the Switch between Acidogenesis and Solventogenesis in Continuous Cultures of Clostridium acetobutylicum. Journal of Molecular Microbiology and Biotechnology, 2011, 20, 1-15.	1.0	82
62	Clostridium ljungdahlii represents a microbial production platform based on syngas. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13087-13092.	3.3	594
63	Fermentative Butanol Production. Annals of the New York Academy of Sciences, 2008, 1125, 353-362.	1.8	278
64	Cytochrome P450 monooxygenase from Clostridium acetobutylicum: A new Î±-fatty acid hydroxylase. Biochemical and Biophysical Research Communications, 2007, 362, 114-119.	1.0	101
65	Biobutanol: An attractive biofuel. Biotechnology Journal, 2007, 2, 1525-1534.	1.8	808
66	Applied Acetone-Butanol Fermentation. , 2005, , 125-168.		15
67	Formation of Solvents in Clostridia. , 2005, , 671-693.		30
68	Characterization and Development of Two Reporter Gene Systems for Clostridium acetobutylicum. Applied and Environmental Microbiology, 2004, 70, 798-803.	1.4	52
69	Initiation of endospore formation in Clostridium acetobutylicum. Anaerobe, 2004, 10, 69-74.	1.0	71
70	Control of Butanol Formation in Clostridium acetobutylicum by Transcriptional Activation. Journal of Bacteriology, 2002, 184, 1966-1973.	1.0	66
71	Changes in protein synthesis and identification of proteins specifically induced during solventogenesis in Clostridium acetobutylicum. Electrophoresis, 2002, 23, 110.	1.3	46
72	Differential induction of genes related to solvent formation during the shift from acidogenesis to solventogenesis in continuous culture ofClostridium acetobutylicum. FEMS Microbiology Letters, 1995, 125, 115-120.	0.7	50

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73	Plasmid Transfer into the Homoacetogen Acetobacterium woodii by Electroporation and Conjugation. Applied and Environmental Microbiology, 1994, 60, 1033-1037.	1.4	28
74	Separation and quantitation of purines and their anaerobic and aerobic degradation products by high-pressure liquid chromatography. Analytical Biochemistry, 1982, 123, 32-40.	1.1	28
75	Physiology and Sporulation in Clostridium. , 0, , 313-329.		5