

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	Biobutanol: An attractive biofuel. <i>Biotechnology Journal</i> , 2007, 2, 1525-1534.	1.8	808
2	<i>Clostridium ljungdahlii</i> represents a microbial production platform based on syngas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13087-13092.	3.3	594
3	Fermentative Butanol Production. <i>Annals of the New York Academy of Sciences</i> , 2008, 1125, 353-362.	1.8	278
4	Pathway engineering and synthetic biology using acetogens. <i>FEBS Letters</i> , 2012, 586, 2191-2198.	1.3	225
5	Energy Conservation Associated with Ethanol Formation from H ₂ and CO ₂ in <i>Clostridium autoethanogenum</i> Involving Electron Bifurcation. <i>Journal of Bacteriology</i> , 2015, 197, 2965-2980.	1.0	198
6	C1-carbon sources for chemical and fuel production by microbial gas fermentation. <i>Current Opinion in Biotechnology</i> , 2015, 35, 63-72.	3.3	193
7	Bacterial synthesis gas (syngas) fermentation. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1639-1651.	1.2	187
8	Fermentative production of butanol—the academic perspective. <i>Current Opinion in Biotechnology</i> , 2011, 22, 331-336.	3.3	144
9	Using gas mixtures of CO, CO ₂ and H ₂ as microbial substrates: the do's and don'ts of successful technology transfer from laboratory to production scale. <i>Microbial Biotechnology</i> , 2018, 11, 606-625.	2.0	126
10	Selective enhancement of autotrophic acetate production with genetically modified <i>Acetobacterium woodii</i> . <i>Journal of Biotechnology</i> , 2014, 178, 67-72.	1.9	119
11	Bacterial Anaerobic Synthesis Gas (Syngas) and CO ₂ + H ₂ Fermentation. <i>Advances in Applied Microbiology</i> , 2018, 103, 143-221.	1.3	118
12	Acetone production with metabolically engineered strains of <i>Acetobacterium woodii</i> . <i>Metabolic Engineering</i> , 2016, 36, 37-47.	3.6	111
13	Cytochrome P450 monooxygenase from <i>Clostridium acetobutylicum</i> : A new ω -fatty acid hydroxylase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 114-119.	1.0	101
14	Industrial Acetogenic Biocatalysts: A Comparative Metabolic and Genomic Analysis. <i>Frontiers in Microbiology</i> , 2016, 7, 1036.	1.5	85
15	Butanol production from lignocellulosic biomass: revisiting fermentation performance indicators with exploratory data analysis. <i>Biotechnology for Biofuels</i> , 2019, 12, 167.	6.2	84
16	Genome-Wide Gene Expression Analysis of the Switch between Acidogenesis and Solventogenesis in Continuous Cultures of <i>Clostridium acetobutylicum</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2011, 20, 1-15.	1.0	82
17	Physiology and Sporulation in <i>Clostridium</i> . <i>Microbiology Spectrum</i> , 2014, 2, TBS-0010-2012.	1.2	80
18	Butanol fermentation. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1691-1710.	1.2	78

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19	The Complete Genome Sequence of <i>Clostridium aceticum</i> : a Missing Link between Rnf- and Cytochrome-Containing Autotrophic Acetogens. <i>MBio</i> , 2015, 6, e01168-15.	1.8	75
20	Initiation of endospore formation in <i>Clostridium acetobutylicum</i> . <i>Anaerobe</i> , 2004, 10, 69-74.	1.0	71
21	<i>Clostridium difficile</i> Is an Autotrophic Bacterial Pathogen. <i>PLoS ONE</i> , 2013, 8, e62157.	1.1	70
22	Consolidated bioprocessing of butanol production from xylan by a thermophilic and butanogenic <i>Thermoanaerobacterium</i> sp. M5. <i>Biotechnology for Biofuels</i> , 2018, 11, 89.	6.2	67
23	Control of Butanol Formation in <i>Clostridium acetobutylicum</i> by Transcriptional Activation. <i>Journal of Bacteriology</i> , 2002, 184, 1966-1973.	1.0	66
24	Microbial solvent formation revisited by comparative genome analysis. <i>Biotechnology for Biofuels</i> , 2017, 10, 58.	6.2	60
25	Improved operating strategy for continuous fermentation of carbon monoxide to fuel-ethanol by clostridia. <i>Applied Energy</i> , 2016, 169, 210-217.	5.1	55
26	Characterization and Development of Two Reporter Gene Systems for <i>Clostridium acetobutylicum</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 798-803.	1.4	52
27	Butanol formation from gaseous substrates. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw040.	0.7	51
28	Differential induction of genes related to solvent formation during the shift from acidogenesis to solventogenesis in continuous culture of <i>Clostridium acetobutylicum</i> . <i>FEMS Microbiology Letters</i> , 1995, 125, 115-120.	0.7	50
29	Gas fermentation for commodity chemicals and fuels. <i>Microbial Biotechnology</i> , 2017, 10, 1167-1170.	2.0	47
30	Changes in protein synthesis and identification of proteins specifically induced during solventogenesis in <i>Clostridium acetobutylicum</i> . <i>Electrophoresis</i> , 2002, 23, 110.	1.3	46
31	Anaerobic Production of Poly(3-hydroxybutyrate) and Its Precursor 3-Hydroxybutyrate from Synthesis Gas by Autotrophic Clostridia. <i>Biomacromolecules</i> , 2019, 20, 3271-3282.	2.6	46
32	Production of the biocommodities butanol and acetone from methanol with fluorescent FAST-tagged proteins using metabolically engineered strains of <i>Eubacterium limosum</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 117.	6.2	36
33	Microbial co-culturing systems: butanol production from organic wastes through consolidated bioprocessing. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5419-5425.	1.7	34
34	Syngas Biorefinery and Syngas Utilization. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2017, 166, 247-280.	0.6	31
35	Formation of Solvents in Clostridia. , 2005, , 671-693.		30
36	Separation and quantitation of purines and their anaerobic and aerobic degradation products by high-pressure liquid chromatography. <i>Analytical Biochemistry</i> , 1982, 123, 32-40.	1.1	28

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37	Plasmid Transfer into the Homoacetogen <i>Acetobacterium woodii</i> by Electroporation and Conjugation. <i>Applied and Environmental Microbiology</i> , 1994, 60, 1033-1037.	1.4	28
38	Complete Genome Sequence of the Type Strain of the Acetogenic Bacterium <i>Moorella thermoacetica</i> DSM 521 ^T . <i>Genome Announcements</i> , 2015, 3, .	0.8	25
39	Gas fermentation – a biotechnological solution for today's challenges. <i>Microbial Biotechnology</i> , 2017, 10, 14-16.	2.0	23
40	Induced heterologous expression of the arginine deiminase pathway promotes growth advantages in the strict anaerobe <i>Acetobacterium woodii</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 687-699.	1.7	23
41	Three-dimensional tumor spheroids for in vitro analysis of bacteria as gene delivery vectors in tumor therapy. <i>Microbial Cell Factories</i> , 2015, 14, 199.	1.9	21
42	Complete Genome Sequence of the Acetogenic Bacterium <i>Moorella thermoacetica</i> DSM 2955 ^T . <i>Genome Announcements</i> , 2015, 3, .	0.8	21
43	Expression of the functional recombinant human glycosyltransferase GalNAct2 in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2015, 14, 3.	1.9	21
44	Riboswitch (T-box)-mediated Control of tRNA-dependent Amidation in <i>Clostridium acetobutylicum</i> Rationalizes Gene and Pathway Redundancy for Asparagine and Asparaginyl-tRNA ^{Asn} Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 20382-20394.	1.6	18
45	Genome Sequence of the Caproic Acid-Producing Bacterium <i>Caproiciproducens galactitolivorans</i> BS-1 ^T (JCM 30532). <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	18
46	Engineering <i>Acetobacterium woodii</i> for the production of isopropanol and acetone from carbon dioxide and hydrogen. <i>Biotechnology Journal</i> , 2022, 17, e2100515.	1.8	18
47	Ancestral sporulation initiation. <i>Molecular Microbiology</i> , 2011, 80, 584-587.	1.2	17
48	Genome Sequence of the Acetogenic Bacterium <i>Oxobacter pfennigii</i> DSM 3222 ^T . <i>Genome Announcements</i> , 2015, 3, .	0.8	17
49	Autotrophic lactate production from H ₂ +CO ₂ using recombinant and fluorescent FAST-tagged <i>Acetobacterium woodii</i> strains. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1447-1458.	1.7	17
50	Applied Acetone-Butanol Fermentation. , 2005, , 125-168.		15
51	Analysis of the key enzymes of butyric and acetic acid fermentation in biogas reactors. <i>Microbial Biotechnology</i> , 2015, 8, 865-873.	2.0	14
52	Genome sequence of <i>Clostridium sporogenes</i> DSM 795T, an amino acid-degrading, nontoxic surrogate of neurotoxin-producing <i>Clostridium botulinum</i> . <i>Standards in Genomic Sciences</i> , 2015, 10, 40.	1.5	13
53	Genome Sequence of the Acetogenic Bacterium <i>Butyribacterium methylotrophicum</i> DSM 3468 ^T . <i>Genome Announcements</i> , 2016, 4, .	0.8	13
54	Genome Sequence of the Acetogenic Bacterium <i>Acetobacterium wieringae</i> DSM 1911 ^T . <i>Genome Announcements</i> , 2016, 4, .	0.8	12

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55	Complete Genome Sequence of the Autotrophic Acetogen <i>Clostridium formicaceticum</i> DSM 92^T Using Nanopore and Illumina Sequencing Data. <i>Genome Announcements</i> , 2017, 5, .	0.8	12
56	Genome-Based Comparison of All Species of the Genus <i>Moorella</i> , and Status of the Species <i>Moorella thermoacetica</i> and <i>Moorella thermoautotrophica</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 3070.	1.5	12
57	Investigation of putative genes for the production of medium-chained acids and alcohols in autotrophic acetogenic bacteria. <i>Metabolic Engineering</i> , 2021, 66, 296-307.	3.6	12
58	Complete Genome Sequence of Rnf- and Cytochrome-Containing Autotrophic Acetogen <i>Clostridium aceticum</i> DSM 1496. <i>Genome Announcements</i> , 2015, 3, .	0.8	11
59	Establishment of Green- and Red-Fluorescent Reporter Proteins Based on the Fluorescence-Activating and Absorption-Shifting Tag for Use in Acetogenic and Solventogenic Anaerobes. <i>ACS Synthetic Biology</i> , 2022, 11, 953-967.	1.9	11
60	Identifying and Engineering Bottlenecks of Autotrophic Isobutanol Formation in Recombinant <i>C. ljungdahlii</i> by Systemic Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 647853.	2.0	10
61	Genome sequence analysis of the temperate bacteriophage TBP2 of the solvent producer <i>Clostridium saccharoperbutylacetonicum</i> N1-4 (HMT, ATCC 27021). <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	7
62	Draft Genome Sequence of Purine-Degrading <i>Clostridium cylindrosporium</i> HC-1 (DSM 605). <i>Genome Announcements</i> , 2015, 3, .	0.8	6
63	Cap0037, a Novel Global Regulator of <i>Clostridium acetobutylicum</i> Metabolism. <i>MBio</i> , 2016, 7, .	1.8	6
64	Draft Genome Sequence of the Strict Anaerobe <i>Clostridium neopropionicum</i> X4 (DSM 3847 T). <i>Genome Announcements</i> , 2016, 4, .	0.8	6
65	Physiology and Sporulation in <i>Clostridium</i> ., 0, , 313-329.		5
66	Draft Genome Sequence of Purine-Degrading <i>Gottschalkia purinilyticum</i> (Formerly <i>Clostridium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.8	4
67	Draft Genome Sequence of the Strict Anaerobe <i>Clostridium homopropionicum</i> LuHBu1 (DSM 5847). <i>Genome Announcements</i> , 2015, 3, .	0.8	4
68	Increased Butyrate Production in <i>Clostridium saccharoperbutylacetonicum</i> from Lignocellulose-Derived Sugars. <i>Applied and Environmental Microbiology</i> , 2022, , e0241921.	1.4	3
69	Genome Sequence of the Poly-3-Hydroxybutyrate Producer <i>Clostridium acetireducens</i> DSM 10703. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
70	Genome sequencing and description of <i>Oerskovia enterophila</i> VJag, an agar- and cellulose-degrading bacterium. <i>Standards in Genomic Sciences</i> , 2017, 12, 30.	1.5	2
71	Genome Sequence of the Facultative Anaerobe <i>Oerskovia enterophila</i> DFA-19 (DSM 43852 ^T) Tj ETQq1 1 0.784314 rgBT	0.8	1
72	<i>Clostridium</i> . , 2015, , 467-486.		1

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73	Genome Sequence of Enterococcus faecalis Strain CG_E. Genome Announcements, 2017, 5, .	0.8	0
74	Genome Sequence of Lactobacillus sunkii Strain CG_D. Genome Announcements, 2017, 5, .	0.8	0
75	Biokatalytische Konversion. , 2020, , 99-119.		0