# Peter DÃ¼rre

List of Publications by Year
in descending order

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| 75 | 5,013 | 136950 | 95266 |
|---|---|---|---|
| papers | citations | 32 h-index | 68 g-index |

| 81 | 81 | 81 | 3720 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biobutanol: An attractive biofuel. Biotechnology Journal, 2007, 2, 1525-1534. | 3.5 | 808 |
| 2 | 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. | 7.1 | 594 |
| 3 | Fermentative Butanol Production. Annals of the New York Academy of Sciences, 2008, 1125, 353-362. | 3.8 | 278 |
| 4 | Pathway engineering and synthetic biology using acetogens. FEBS Letters, 2012, 586, 2191-2198. | 2.8 | 225 |
| 5 | Energy Conservation Associated with Ethanol Formation from H <sub>2</sub> and CO <sub>2</sub> in Clostridium autoethanogenum Involving Electron Bifurcation. Journal of Bacteriology, 2015, 197, 2965-2980. | 2.2 | 198 |
| 6 | C1-carbon sources for chemical and fuel production by microbial gas fermentation. Current Opinion in Biotechnology, 2015, 35, 63-72. | 6.6 | 193 |
| 7 | Bacterial synthesis gas (syngas) fermentation. Environmental Technology (United Kingdom), 2013, 34, 1639-1651. | 2.2 | 187 |
| 8 | Fermentative production of butanolâ€"the academic perspective. Current Opinion in Biotechnology, 2011, 22, 331-336. | 6.6 | 144 |
| 9 | Using gas mixtures of CO, CO<sub>2</sub> and H<sub>2</sub> as microbial substrates: the do's and don'ts of successful technology transfer from laboratory to production scale. Microbial Biotechnology, 2018, 11, 606-625. | 4.2 | 126 |
| 10 | Selective enhancement of autotrophic acetate production with genetically modified Acetobacterium woodii. Journal of Biotechnology, 2014, 178, 67-72. | 3.8 | 119 |
| 11 | Bacterial Anaerobic Synthesis Gas (Syngas) and CO 2 + H 2 Fermentation. Advances in Applied Microbiology, 2018, 103, 143-221. | 2.4 | 118 |
| 12 | Acetone production with metabolically engineered strains of Acetobacterium woodii. Metabolic Engineering, 2016, 36, 37-47. | 7.0 | 111 |
| 13 | Cytochrome P450 monooxygenase from Clostridium acetobutylicum: A new Î±-fatty acid hydroxylase. Biochemical and Biophysical Research Communications, 2007, 362, 114-119. | 2.1 | 101 |
| 14 | Industrial Acetogenic Biocatalysts: A Comparative Metabolic and Genomic Analysis. Frontiers in Microbiology, 2016, 7, 1036. | 3.5 | 85 |
| 15 | Butanol production from lignocellulosic biomass: revisiting fermentation performance indicators with exploratory data analysis. Biotechnology for Biofuels, 2019, 12, 167. | 6.2 | 84 |
| 16 | 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 |
| 17 | Physiology and Sporulation in Clostridium. Microbiology Spectrum, 2014, 2, TBS-0010-2012. | 3.0 | 80 |
| 18 | Butanol fermentation. Environmental Technology (United Kingdom), 2013, 34, 1691-1710. | 2.2 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Complete Genome Sequence of Clostridium aceticum: a Missing Link between Rnf- and Cytochrome-Containing Autotrophic Acetogens. MBio, 2015, 6, e01168-15. | 4.1 | 75 |
| 20 | Initiation of endospore formation in Clostridium acetobutylicum. Anaerobe, 2004, 10, 69-74. | 2.1 | 71 |
| 21 | Clostridium difficile Is an Autotrophic Bacterial Pathogen. PLoS ONE, 2013, 8, e62157. | 2.5 | 70 |
| 22 | Consolidated bioprocessing of butanol production from xylan by a thermophilic and butanologenic Thermoanaerobacterium sp. M5. Biotechnology for Biofuels, 2018, 11, 89. | 6.2 | 67 |
| 23 | Control of Butanol Formation in Clostridium acetobutylicum by Transcriptional Activation. Journal of Bacteriology, 2002, 184, 1966-1973. | 2.2 | 66 |
| 24 | Microbial solvent formation revisited by comparative genome analysis. Biotechnology for Biofuels, 2017, 10, 58. | 6.2 | 60 |
| 25 | Improved operating strategy for continuous fermentation of carbon monoxide to fuel-ethanol by clostridia. Applied Energy, 2016, 169, 210-217. | 10.1 | 55 |
| 26 | Characterization and Development of Two Reporter Gene Systems for Clostridium acetobutylicum. Applied and Environmental Microbiology, 2004, 70, 798-803. | 3.1 | 52 |
| 27 | Butanol formation from gaseous substrates. FEMS Microbiology Letters, 2016, 363, fnw040. | 1.8 | 51 |
| 28 | 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. | 1.8 | 50 |
| 29 | Gas fermentation for commodity chemicals and fuels. Microbial Biotechnology, 2017, 10, 1167-1170. | 4.2 | 47 |
| 30 | Changes in protein synthesis and identification of proteins specifically induced during solventogenesis in Clostridium acetobutylicum. Electrophoresis, 2002, 23, 110. | 2.4 | 46 |
| 31 | Anaerobic Production of Poly(3-hydroxybutyrate) and Its Precursor 3-Hydroxybutyrate from Synthesis Gas by Autotrophic Clostridia. Biomacromolecules, 2019, 20, 3271-3282. | 5.4 | 46 |
| 32 | 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 |
| 33 | Microbial co-culturing systems: butanol production from organic wastes through consolidated bioprocessing. Applied Microbiology and Biotechnology, 2018, 102, 5419-5425. | 3.6 | 34 |
| 34 | Syngas Biorefinery and Syngas Utilization. Advances in Biochemical Engineering/Biotechnology, 2017, 166, 247-280. | 1.1 | 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. Analytical Biochemistry, 1982, 123, 32-40. | 2.4 | 28 |

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|---|---|---|---|
| 37 | Plasmid Transfer into the Homoacetogen Acetobacterium woodii by Electroporation and Conjugation. Applied and Environmental Microbiology, 1994, 60, 1033-1037. | 3.1 | 28 |
| 38 | Complete Genome Sequence of the Type Strain of the Acetogenic Bacterium Moorella thermoacetica DSM 521 <sup>T</sup>. Genome Announcements, 2015, 3, . | 0.8 | 25 |
| 39 | Gas fermentation â€“ a biotechnological solution for today's challenges. Microbial Biotechnology, 2017, 10, 14-16. | 4.2 | 23 |
| 40 | 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. | 3.6 | 23 |
| 41 | Three-dimensional tumor spheroids for in vitro analysis of bacteria as gene delivery vectors in tumor therapy. Microbial Cell Factories, 2015, 14, 199. | 4.0 | 21 |
| 42 | Complete Genome Sequence of the Acetogenic Bacterium Moorella thermoacetica DSM 2955 <sup>T</sup>. Genome Announcements, 2015, 3, . | 0.8 | 21 |
| 43 | Expression of the functional recombinant human glycosyltransferase GalNAcT2 in Escherichia coli. Microbial Cell Factories, 2015, 14, 3. | 4.0 | 21 |
| 44 | 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. | 3.4 | 18 |
| 45 | Genome Sequence of the Caproic Acid-Producing Bacterium Caproiciproducens galactitolivorans BS-1 <sup>T</sup> (JCM 30532). Microbiology Resource Announcements, 2019, 8, . | 0.6 | 18 |
| 46 | Engineering Acetobacterium woodii for the production of isopropanol and acetone from carbon dioxide and hydrogen. Biotechnology Journal, 2022, 17, e2100515. | 3.5 | 18 |
| 47 | Ancestral sporulation initiation. Molecular Microbiology, 2011, 80, 584-587. | 2.5 | 17 |
| 48 | Genome Sequence of the Acetogenic Bacterium Oxobacter pfennigii DSM 3222 <sup>T</sup>. Genome Announcements, 2015, 3, . | 0.8 | 17 |
| 49 | Autotrophic lactate production from H2â€‰+â€‰CO2 using recombinant and fluorescent FAST-tagged Acetobacterium woodii strains. Applied Microbiology and Biotechnology, 2022, 106, 1447-1458. | 3.6 | 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. Microbial Biotechnology, 2015, 8, 865-873. | 4.2 | 14 |
| 52 | 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 |
| 53 | Genome Sequence of the Acetogenic Bacterium Butyribacterium methylotrophicum DSM 3468 <sup>T</sup>. Genome Announcements, 2016, 4, . | 0.8 | 13 |
| 54 | Genome Sequence of the Acetogenic Bacterium Acetobacterium wieringae DSM 1911 <sup>T</sup>. Genome Announcements, 2016, 4, . | 0.8 | 12 |

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|---|---|---|---|
| 55 | Complete Genome Sequence of the Autotrophic Acetogen Clostridium formicaceticum DSM 92 <sup>T</sup> Using Nanopore and Illumina Sequencing Data. Genome Announcements, 2017, 5, . | 0.8 | 12 |
| 56 | 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. | 3.5 | 12 |
| 57 | Investigation of putative genes for the production of medium-chained acids and alcohols in autotrophic acetogenic bacteria. Metabolic Engineering, 2021, 66, 296-307. | 7.0 | 12 |
| 58 | Complete Genome Sequence of Rnf- and Cytochrome-Containing Autotrophic Acetogen Clostridium aceticum DSM 1496. Genome Announcements, 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. ACS Synthetic Biology, 2022, 11, 953-967. | 3.8 | 11 |
| 60 | Identifying and Engineering Bottlenecks of Autotrophic Isobutanol Formation in Recombinant C. ljungdahlii by Systemic Analysis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 647853. | 4.1 | 10 |
| 61 | Genome sequence analysis of the temperate bacteriophage TBP2 of the solvent producer Clostridium saccharoperbutylacetonicum N1-4 (HMT, ATCC 27021). FEMS Microbiology Letters, 2020, 367, . | 1.8 | 7 |
| 62 | Draft Genome Sequence of Purine-Degrading Clostridium cylindrosporum HC-1 (DSM 605). Genome Announcements, 2015, 3, . | 0.8 | 6 |
| 63 | Cap0037, a Novel Global Regulator of Clostridium acetobutylicum Metabolism. MBio, 2016, 7, . | 4.1 | 6 |
| 64 | Draft Genome Sequence of the Strict Anaerobe Clostridium neopropionicum X4 (DSM 3847 T ). Genome Announcements, 2016, 4, . | 0.8 | 6 |
| 65 | Physiology and Sporulation in Clostridium. , 0, , 313-329. | | 5 |
| 66 | Draft Genome Sequence of Purine-Degrading Gottschalkia purinilyticum (Formerly Clostridium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 | 0.8 | 4 |
| 67 | Draft Genome Sequence of the Strict Anaerobe Clostridium homopropionicum LuHBu1 (DSM 5847). Genome Announcements, 2015, 3, . | 0.8 | 4 |
| 68 | Increased Butyrate Production in Clostridium saccharoperbutylacetonicum from Lignocellulose-Derived Sugars. Applied and Environmental Microbiology, 2022, , e0241921. | 3.1 | 3 |
| 69 | Genome Sequence of the Poly-3-Hydroxybutyrate Producer Clostridium acetireducens DSM 10703. Genome Announcements, 2016, 4, . | 0.8 | 2 |
| 70 | Genome sequencing and description of Oerskovia enterophila VJag, an agar- and cellulose-degrading bacterium. Standards in Genomic Sciences, 2017, 12, 30. | 1.5 | 2 |
| 71 | Genome Sequence of the Facultative Anaerobe Oerskovia enterophila DFA-19 (DSM 43852 <sup>T</sup>) Tj ETQq1 1 0.784314 rgBT | 0.8 | 1 |
| 72 | Clostridium. , 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 |