

Christopher Bringham

List of Publications by Year in descending order

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45
papers

1,702
citations

304743

22
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by <i>Ralstonia eutropha</i> in high cell density palm oil fermentations. <i>Biotechnology and Bioengineering</i> , 2012, 109, 74-83.	3.3	139
2	Polyhydroxyalkanoates production with <i>Ralstonia eutropha</i> from low quality waste animal fats. <i>Journal of Biotechnology</i> , 2015, 214, 119-127.	3.8	128
3	Studies on the production of branched-chain alcohols in engineered <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 283-297.	3.6	123
4	Elucidation of \hat{I}^2 -Oxidation Pathways in <i>Ralstonia eutropha</i> H16 by Examination of Global Gene Expression. <i>Journal of Bacteriology</i> , 2010, 192, 5454-5464.	2.2	106
5	Optimization of growth media components for polyhydroxyalkanoate (PHA) production from organic acids by <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2037-2045.	3.6	93
6	Engineered <i>Corynebacterium glutamicum</i> as an endotoxin-free platform strain for lactate-based polyester production. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1917-1925.	3.6	85
7	Whole-Genome Microarray and Gene Deletion Studies Reveal Regulation of the Polyhydroxyalkanoate Production Cycle by the Stringent Response in <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8033-8044.	3.1	70
8	Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (P(HB-co-HHx)) from butyrate using engineered <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5461-5469.	3.6	69
9	Sialic Acid (N-Acetyl Neuraminic Acid) Utilization by <i>Bacteroides fragilis</i> Requires a Novel N-Acetyl Mannosamine Epimerase. <i>Journal of Bacteriology</i> , 2009, 191, 3629-3638.	2.2	67
10	Recovery of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from <i>Ralstonia eutropha</i> cultures with non-halogenated solvents. <i>Biotechnology and Bioengineering</i> , 2013, 110, 461-470.	3.3	59
11	Improved detergent-based recovery of polyhydroxyalkanoates (PHAs). <i>Biotechnology Letters</i> , 2011, 33, 937-942.	2.2	57
12	Characterization of an extracellular lipase and its chaperone from <i>Ralstonia eutropha</i> H16. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2443-2454.	3.6	53
13	Lipid and fatty acid metabolism in <i>Ralstonia eutropha</i> : relevance for the biotechnological production of value-added products. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1469-1483.	3.6	53
14	<i>Biopolymers</i> , 2018, , 753-770.		53
15	Perspectives for the biotechnological production of biofuels from CO ₂ and H ₂ using <i>Ralstonia eutropha</i> and other Knallgas bacteria. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2113-2120.	3.6	47
16	Characterization of the Highly Active Polyhydroxyalkanoate Synthase of <i>Chromobacterium</i> sp. Strain USM2. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2926-2933.	3.1	46
17	Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) containing a predominant amount of 3-hydroxyvalerate by engineered <i>Escherichia coli</i> expressing propionate-CoA transferase. <i>Journal of Applied Microbiology</i> , 2012, 113, 815-823.	3.1	40
18	Poly(3-hydroxybutyrate-co-3-hydroxyvalerate-co-3-hydroxyhexanoate) terpolymer production from volatile fatty acids using engineered <i>Ralstonia eutropha</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 138, 370-378.	7.5	37

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19	Characterization of the RokA and HexA Broad-Substrate-Specificity Hexokinases from <i>Bacteroides fragilis</i> and Their Role in Hexose and N -Acetylglucosamine Utilization. <i>Journal of Bacteriology</i> , 2005, 187, 890-901.	2.2	34
20	Mechanical and biological properties of chitin/poly lactide (PLA)/hydroxyapatite (HAP) composites cast using ionic liquid solutions. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1213-1223.	7.5	34
21	Overexpression of succinyl-CoA synthase for poly (3-hydroxybutyrate-co-3-hydroxyvalerate) production in engineered <i>Escherichia coli</i> BL21 (DE3). <i>Journal of Applied Microbiology</i> , 2015, 119, 724-735.	3.1	32
22	Anti-biofilm Activity of Solvent-Cast and Electrospun Polyhydroxyalkanoate Membranes Treated with Lysozyme. <i>Journal of Polymers and the Environment</i> , 2018, 26, 66-72.	5.0	28
23	Solvent production by engineered <i>Ralstonia eutropha</i> : channeling carbon to biofuel. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5021-5031.	3.6	24
24	Feasibility of triacylglycerol production for biodiesel, utilizing <i>Rhodococcus opacus</i> as a biocatalyst and fishery waste as feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 922-928.	16.4	23
25	Discarded Egg Yolk as an Alternate Source of Poly(3-Hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 382-391.	2.1	22
26	Enhanced microbial lipid production by <i>Cryptococcus albidus</i> in the high-cell-density continuous cultivation with membrane cell recycling and two-stage nutrient limitation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 1045-1051.	3.0	19
27	Effects of intracellular poly(3-hydroxybutyrate) reserves on physiological biochemical properties and growth of <i>Ralstonia eutropha</i> . <i>Research in Microbiology</i> , 2013, 164, 164-171.	2.1	18
28	Fabrication of porous chitin membrane using ionic liquid and subsequent characterization and modelling studies. <i>Carbohydrate Polymers</i> , 2018, 198, 443-451.	10.2	18
29	Chitin and Chitosan: Sustainable, Medically Relevant Biomaterials. <i>International Journal of Biotechnology for Wellness Industries</i> , 2017, 6, 41-47.	0.3	18
30	Application of a non-halogenated solvent, methyl ethyl ketone (MEK) for recovery of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) [P(HB-co-HV)] from bacterial cells. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 291-297.	2.6	14
31	In Vivo and In Vitro Degradation Studies for Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Biopolymer. <i>Journal of Polymers and the Environment</i> , 2017, 25, 296-307.	5.0	13
32	From Beverages to Biofuels: The Journeys of Ethanol-Producing Microorganisms. <i>International Journal of Biotechnology for Wellness Industries</i> , 2014, 3, 79-87.	0.3	13
33	Enhanced isobutanol production by co-production of polyhydroxybutyrate and cofactor engineering. <i>Journal of Biotechnology</i> , 2020, 320, 66-73.	3.8	12
34	Characterization and modification of enzymes in the 2-ketoisovalerate biosynthesis pathway of <i>Ralstonia eutropha</i> H16. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 761-774.	3.6	11
35	Experimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in <i>Ralstonia eutropha</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 64-69.	2.2	11
36	Production of branched-chain alcohols by recombinant <i>Ralstonia eutropha</i> in fed-batch cultivation. <i>Biomass and Bioenergy</i> , 2013, 56, 334-341.	5.7	9

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37	Thermal and mechanical characterization of solvent-cast poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	6
38	Properties of solvent-cast chitin membranes and exploration of potential applications. <i>Materialia</i> , 2019, 8, 100452.	2.7	4
39	Draft Genome Sequence of <i>Ralstonia</i> sp. MD27, a Poly(3-Hydroxybutyrate)-Degrading Bacterium, Isolated from Compost. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
40	Isobutanol tolerance in <i>Ralstonia eutropha</i> . <i>BMC Proceedings</i> , 2014, 8, .	1.6	1
41	Modeling mechanical properties of polyhydroxyalkanoate during degradation in animal tissue. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1879-1883.	3.2	1
42	From Ethanol to Biodiesel. , 2018, , 861-879.		1
43	Periplasmic $\hat{\pm}$ -carbonic anhydrase plays an essential role in <i>Ralstonia eutropha</i> CO ₂ metabolism. <i>BMC Proceedings</i> , 2014, 8, .	1.6	0
44	Corrigendum to "Experimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in <i>Ralstonia eutropha</i> " [Biosci Bioeng 122 (2016) 64-69]. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 658.	2.2	0
45	Development of Controlled Cocultivations for Reproducible Results in Fermentation Processes in Food Biotechnology. , 2018, , 135-165.		0