Ignacio Poblete-Castro

List of Publications by Year
in descending order

29 papers	1,329 citations	471509 17 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	1356 citing authors

#	Article	IF	Citations
1	Channelling carbon flux through the metaâ€cleavage route for improved poly(3â€hydroxyalkanoate) production from benzoate and ligninâ€based aromatics in Pseudomonas putida H. Microbial Biotechnology, 2021, 14, 2385-2402.	4.2	8
2	Photochemistry of P,N-bidentate rhenium(<scp>i</scp>) tricarbonyl complexes: reactive species generation and potential application for antibacterial photodynamic therapy. RSC Advances, 2021, 11, 31959-31966.	3.6	9
3	Fed-Batch mcl- Polyhydroxyalkanoates Production in Pseudomonas putida KT2440 and Î”phaZ Mutant on Biodiesel-Derived Crude Glycerol. Frontiers in Bioengineering and Biotechnology, 2021, 9, 642023.	4.1	20
4	Cascaded valorization of brown seaweed to produce l-lysine and value-added products using Corynebacterium glutamicum streamlined by systems metabolic engineering. Metabolic Engineering, 2021, 67, 293-307.	7.0	30
5	Biochemistry, genetics and biotechnology of glycerol utilization in Pseudomonas species. Microbial Biotechnology, 2020, 13, 32-53.	4.2	76
6	Editorial: Pathway, Genetic and Process Engineering of Microbes for Biopolymer Synthesis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 618383.	4.1	4
7	Cascaded valorization of seaweed using microbial cell factories. Current Opinion in Biotechnology, 2020, 65, 102-113.	6.6	27
8	Metabolic Rearrangements Causing Elevated Proline and Polyhydroxybutyrate Accumulation During the Osmotic Adaptation Response of Bacillus megaterium. Frontiers in Bioengineering and Biotechnology, 2020, 8, 47.	4.1	16
9	Limited life cycle and cost assessment for the bioconversion of ligninâ€derived aromatics into adipic acid. Biotechnology and Bioengineering, 2020, 117, 1381-1393.	3.3	32
10	Engineering the Osmotic State of Pseudomonas putida KT2440 for Efficient Cell Disruption and Downstream Processing of Poly(3-Hydroxyalkanoates). Frontiers in Bioengineering and Biotechnology, 2020, 8, 161.	4.1	11
11	Expanding the Reach of Recombineering to Environmental Bacteria. Trends in Biotechnology, 2020, 38, 684-685.	9.3	0
12	In-Depth Genomic and Phenotypic Characterization of the Antarctic Psychrotolerant Strain Pseudomonas sp. MPC6 Reveals Unique Metabolic Features, Plasticity, and Biotechnological Potential. Frontiers in Microbiology, 2019, 10, 1154.	3.5	36
13	Exploiting the natural poly(3-hydroxyalkanoates) production capacity of AntarcticPseudomonasstrains: from unique phenotypes to novel biopolymers. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1139-1153.	3.0	25
14	The Transcription Factor ArcA Modulates Salmonellaâ€™s Metabolism in Response to Neutrophil Hypochlorous Acid-Mediated Stress. Frontiers in Microbiology, 2019, 10, 2754.	3.5	17
15	Enhanced synthesis of medium-chain-length poly(3-hydroxyalkanoates) by inactivating the tricarboxylate transport system of Pseudomonas putida KT2440 and process development using waste vegetable oil. Process Biochemistry, 2019, 77, 23-30.	3.7	50
16	Genome sequence of two members of the chloroaromatic-degrading MT community: Pseudomonas reinekei MT1 and Achromobacter xylosoxidans MT3. Journal of Biotechnology, 2018, 275, 13-16.	3.8	0
17	Multi-level evaluation of Escherichia coli polyphosphate related mutants using global transcriptomic, proteomic and phenomic analyses. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 871-883.	2.4	21
18	Datasets for transcriptomics, q-proteomics and phenotype microarrays of polyphosphate metabolism mutants from Escherichia coli. Data in Brief, 2017, 12, 13-17.	1.0	2

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19	Co-synthesis of medium-chain-length polyhydroxyalkanoates and CdS quantum dots nanoparticles in Pseudomonas putida KT2440. Journal of Biotechnology, 2017, 264, 29-37.	3.8	30
20	A novel programmable lysozyme-based lysis system in Pseudomonas putida for biopolymer production. Scientific Reports, 2017, 7, 4373.	3.3	51
21	A comparative study of differential evolution algorithms for parameter fitting procedures. , 2016, , .		3
22	Integrated analysis of gene expression and metabolic fluxes in PHA-producing Pseudomonas putida grown on glycerol. Microbial Cell Factories, 2016, 15, 73.	4.0	70
23	Draft Genome Sequence of the Phenol-Degrading Bacterium Pseudomonas putida H. Genome Announcements, 2015, 3, .	0.8	7
24	Production of medium chain length polyhydroxyalkanoate in metabolic flux optimized Pseudomonas putida. Microbial Cell Factories, 2014, 13, 88.	4.0	98
25	Comparison of mcl-Poly(3-hydroxyalkanoates) synthesis by different Pseudomonas putida strains from crude glycerol: citrate accumulates at high titer under PHA-producing conditions. BMC Biotechnology, 2014, 14, 962.	3.3	53
26	Improved Production of Medium-Chain-Length Polyhydroxyalkanoates in Glucose-Based Fed-Batch Cultivations of Metabolically Engineered Pseudomonas putida Strains. Journal of Microbiology and Biotechnology, 2014, 24, 59-69.	2.1	47
27	In-silico-driven metabolic engineering of Pseudomonas putida for enhanced production of poly-hydroxyalkanoates. Metabolic Engineering, 2013, 15, 113-123.	7.0	160
28	The metabolic response of P. putida KT2442 producing high levels of polyhydroxyalkanoate under single- and multiple-nutrient-limited growth: Highlights from a multi-level omics approach. Microbial Cell Factories, 2012, 11, 34.	4.0	117
29	Industrial biotechnology of Pseudomonas putida and related species. Applied Microbiology and Biotechnology, 2012, 93, 2279-2290.	3.6	290