

Ignacio Poblete-Castro

List of Publications by Year in descending order

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Version: 2024-02-01

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	Industrial biotechnology of <i>Pseudomonas putida</i> and related species. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2279-2290.	3.6	290
2	In-silico-driven metabolic engineering of <i>Pseudomonas putida</i> for enhanced production of poly-hydroxyalkanoates. <i>Metabolic Engineering</i> , 2013, 15, 113-123.	7.0	160
3	The metabolic response of <i>P. putida</i> KT2442 producing high levels of polyhydroxyalkanoate under single- and multiple-nutrient-limited growth: Highlights from a multi-level omics approach. <i>Microbial Cell Factories</i> , 2012, 11, 34.	4.0	117
4	Production of medium chain length polyhydroxyalkanoate in metabolic flux optimized <i>Pseudomonas putida</i> . <i>Microbial Cell Factories</i> , 2014, 13, 88.	4.0	98
5	Biochemistry, genetics and biotechnology of glycerol utilization in <i>Pseudomonas</i> species. <i>Microbial Biotechnology</i> , 2020, 13, 32-53.	4.2	76
6	Integrated analysis of gene expression and metabolic fluxes in PHA-producing <i>Pseudomonas putida</i> grown on glycerol. <i>Microbial Cell Factories</i> , 2016, 15, 73.	4.0	70
7	Comparison of mcl-Poly(3-hydroxyalkanoates) synthesis by different <i>Pseudomonas putida</i> strains from crude glycerol: citrate accumulates at high titer under PHA-producing conditions. <i>BMC Biotechnology</i> , 2014, 14, 962.	3.3	53
8	A novel programmable lysozyme-based lysis system in <i>Pseudomonas putida</i> for biopolymer production. <i>Scientific Reports</i> , 2017, 7, 4373.	3.3	51
9	Enhanced synthesis of medium-chain-length poly(3-hydroxyalkanoates) by inactivating the tricarboxylate transport system of <i>Pseudomonas putida</i> KT2440 and process development using waste vegetable oil. <i>Process Biochemistry</i> , 2019, 77, 23-30.	3.7	50
10	Improved Production of Medium-Chain-Length Polyhydroxyalkanoates in Glucose-Based Fed-Batch Cultivations of Metabolically Engineered <i>Pseudomonas putida</i> Strains. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 59-69.	2.1	47
11	In-Depth Genomic and Phenotypic Characterization of the Antarctic Psychrotolerant Strain <i>Pseudomonas</i> sp. MPC6 Reveals Unique Metabolic Features, Plasticity, and Biotechnological Potential. <i>Frontiers in Microbiology</i> , 2019, 10, 1154.	3.5	36
12	Limited life cycle and cost assessment for the bioconversion of lignin-derived aromatics into adipic acid. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1381-1393.	3.3	32
13	Co-synthesis of medium-chain-length polyhydroxyalkanoates and CdS quantum dots nanoparticles in <i>Pseudomonas putida</i> KT2440. <i>Journal of Biotechnology</i> , 2017, 264, 29-37.	3.8	30
14	Cascaded valorization of brown seaweed to produce l-lysine and value-added products using <i>Corynebacterium glutamicum</i> streamlined by systems metabolic engineering. <i>Metabolic Engineering</i> , 2021, 67, 293-307.	7.0	30
15	Cascaded valorization of seaweed using microbial cell factories. <i>Current Opinion in Biotechnology</i> , 2020, 65, 102-113.	6.6	27
16	Exploiting the natural poly(3-hydroxyalkanoates) production capacity of Antarctic <i>Pseudomonas</i> strains: from unique phenotypes to novel biopolymers. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1139-1153.	3.0	25
17	Multi-level evaluation of <i>Escherichia coli</i> polyphosphate related mutants using global transcriptomic, proteomic and phenomic analyses. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 871-883.	2.4	21
18	Fed-Batch mcl- Polyhydroxyalkanoates Production in <i>Pseudomonas putida</i> KT2440 and Δ phaZ Mutant on Biodiesel-Derived Crude Glycerol. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 642023.	4.1	20

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19	The Transcription Factor ArcA Modulates Salmonella's Metabolism in Response to Neutrophil Hypochlorous Acid-Mediated Stress. <i>Frontiers in Microbiology</i> , 2019, 10, 2754.	3.5	17
20	Metabolic Rearrangements Causing Elevated Proline and Polyhydroxybutyrate Accumulation During the Osmotic Adaptation Response of <i>Bacillus megaterium</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 47.	4.1	16
21	Engineering the Osmotic State of <i>Pseudomonas putida</i> KT2440 for Efficient Cell Disruption and Downstream Processing of Poly(3-Hydroxyalkanoates). <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 161.	4.1	11
22	Photochemistry of P,N-bidentate rhenium(⁺) tricarbonyl complexes: reactive species generation and potential application for antibacterial photodynamic therapy. <i>RSC Advances</i> , 2021, 11, 31959-31966.	3.6	9
23	Channelling carbon flux through the meta-cleavage route for improved poly(3-hydroxyalkanoate) production from benzoate and lignin-based aromatics in <i>Pseudomonas putida</i> H. <i>Microbial Biotechnology</i> , 2021, 14, 2385-2402.	4.2	8
24	Draft Genome Sequence of the Phenol-Degrading Bacterium <i>Pseudomonas putida</i> H. <i>Genome Announcements</i> , 2015, 3, .	0.8	7
25	Editorial: Pathway, Genetic and Process Engineering of Microbes for Biopolymer Synthesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 618383.	4.1	4
26	A comparative study of differential evolution algorithms for parameter fitting procedures. , 2016, , .		3
27	Datasets for transcriptomics, q-proteomics and phenotype microarrays of polyphosphate metabolism mutants from <i>Escherichia coli</i> . <i>Data in Brief</i> , 2017, 12, 13-17.	1.0	2
28	Genome sequence of two members of the chloroaromatic-degrading MT community: <i>Pseudomonas reinekei</i> MT1 and <i>Achromobacter xylosoxidans</i> MT3. <i>Journal of Biotechnology</i> , 2018, 275, 13-16.	3.8	0
29	Expanding the Reach of Recombineering to Environmental Bacteria. <i>Trends in Biotechnology</i> , 2020, 38, 684-685.	9.3	0