JosÃ© GregÃ³rio Cabrera Gomez

List of Publications by Year
in descending order

54 papers	1,460 citations	331538 21 h-index	345118 36 g-index
55 all docs	55 docs citations	55 times ranked	1343 citing authors

#	Article	IF	Citations
1	Techno-economic feasibility of P(3-hydroxybutyrate) bioprocess with concentrated sugarcane vinasse as carbon and minerals source: an experimental and in silico approach. Biomass Conversion and Biorefinery, 2024, 14, 2071-2089.	2.9	2
2	Carriers based on poly-3-hydroxyalkanoates containing nanomagnetite to trigger hormone release. International Journal of Biological Macromolecules, 2021, 166, 448-458.	3.6	5
3	Application of rhamnolipid surfactant for remediation of toxic metals of long- and short-term contamination sites. International Journal of Environmental Science and Technology, 2021, 18, 575-588.	1.8	29
4	Identifiability of metabolic flux ratios on carbon labeling experiments. Computer Aided Chemical Engineering, 2021, 50, 1983-1989.	0.3	2
5	Antibiofilm effect of monoâ€rhamnolipids and diâ€rhamnolipids on carbon steel submitted to oil produced water. Biotechnology Progress, 2021, 37, e3131.	1.3	1
6	Burkholderia sacchari (synonym Paraburkholderia sacchari): An industrial and versatile bacterial chassis for sustainable biosynthesis of polyhydroxyalkanoates and other bioproducts. Bioresource Technology, 2021, 337, 125472.	4.8	14
7	Glucose metabolism in Pseudomonas aeruginosa is cyclic when producing Polyhydroxyalkanoates and Rhamnolipids. Journal of Biotechnology, 2021, 342, 54-63.	1.9	4
8	Exposure of Deinococcus radiodurans to both static magnetic fields and gamma radiation: observation of cell recuperation effects. Journal of Biological Physics, 2020, 46, 309-324.	0.7	4
9	Increasing PHB production with an industrially scalable hardwood hydrolysate as a carbon source. Industrial Crops and Products, 2020, 154, 112703.	2.5	32
10	The relevance of enzyme specificity for coenzymes and the presence of 6-phosphogluconate dehydrogenase for polyhydroxyalkanoates production in the metabolism of Pseudomonas sp. LFM046. International Journal of Biological Macromolecules, 2020, 163, 240-250.	3.6	8
11	Comparison of monoâ€rhamnolipids and diâ€rhamnolipids on microbial enhanced oil recovery (MEOR) applications. Biotechnology Progress, 2020, 36, e2981.	1.3	26
12	Burkholderia glumae MA13: A newly isolated bacterial strain suitable for polyhydroxyalkanoate production from crude glycerol. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101268.	1.5	17
13	Exploiting Cheese Whey as Co-substrate for Polyhydroxyalkanoates Synthesis from Burkholderia sacchari and as Raw Material for the Development of Biofilms. Waste and Biomass Valorization, 2019, 10, 1609-1616.	1.8	9
14	Investigating Nutrient Limitation Role on Improvement of Growth and Poly(3-Hydroxybutyrate) Accumulation by Burkholderia sacchari LMG 19450 From Xylose as the Sole Carbon Source. Frontiers in Bioengineering and Biotechnology, 2019, 7, 416.	2.0	27
15	A non-naturally-occurring P(3HB-co-3HAMCL) is produced by recombinant Pseudomonas sp. from an unrelated carbon source. International Journal of Biological Macromolecules, 2018, 114, 512-519.	3.6	12
16	xylA and xylB overexpression as a successful strategy for improving xylose utilization and poly-3-hydroxybutyrate production in Burkholderia sacchari. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 165-173.	1.4	21
17	Production of Polyhydroxyalkanoates Copolymers by Recombinant Pseudomonas in Plasmid- and Antibiotic-Free Cultures. Journal of Molecular Microbiology and Biotechnology, 2018, 28, 225-235.	1.0	0
18	Engineering xylose metabolism for production of polyhydroxybutyrate in the non-model bacterium Burkholderia sacchari. Microbial Cell Factories, 2018, 17, 74.	1.9	17

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19	Combining molecular and bioprocess techniques to produce poly(3-hydroxybutyrate- co) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Journal of Biological Macromolecules, 2017, 98, 654-663.	3.6	20
20	Poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) production from biodiesel byâ€product and propionic acid by mutant strains of Pandoraea sp.. Biotechnology Progress, 2017, 33, 1077-1084.	1.3	31
21	Polyhydroxyalkanoate production from crude glycerol by newly isolated Pandoraea sp.. Journal of King Saud University - Science, 2017, 29, 166-173.	1.6	51
22	Influence of Encapsulated Nanodiamond Dispersion on P(3HB) Biocomposites Properties. Materials Research, 2017, 20, 768-774.	0.6	8
23	Thermo-Mechanical Properties of P(HB-HV) Nanocomposites Reinforced by Nanodiamonds. Materials Research, 2017, 20, 167-173.	0.6	7
24	Growth of Burkholderia sacchari LFM 101 cultivated in glucose, sucrose and glycerol at different temperatures. Scientia Agricola, 2016, 73, 429-433.	0.6	12
25	Draft Genome Sequence of Halomonas sp. HG01, a Polyhydroxyalkanoate-Accumulating Strain Isolated from Peru. Genome Announcements, 2016, 4, .	0.8	3
26	The CreC Regulator of Escherichia coli, a New Target for Metabolic Manipulations. Applied and Environmental Microbiology, 2016, 82, 244-254.	1.4	17
27	Quantifying NAD(P)H production in the upper Entnerâ€“Doudoroff pathway from Pseudomonas putida KT2440. FEBS Open Bio, 2015, 5, 908-915.	1.0	15
28	Draft Genome Sequence of the Polyhydroxyalkanoate-Producing Bacterium Burkholderia sacchari LMG 19450 Isolated from Brazilian Sugarcane Plantation Soil. Genome Announcements, 2015, 3, .	0.8	10
29	Draft Genome Sequence of Pseudomonas sp. Strain LFM046, a Producer of Medium-Chain-Length Polyhydroxyalkanoate. Genome Announcements, 2015, 3, .	0.8	9
30	Exploring the potential of Burkholderia sacchari to produce polyhydroxyalkanoates. Journal of Applied Microbiology, 2014, 116, 815-829.	1.4	43
31	Perspectives on the production of polyhydroxyalkanoates in biorefineries associated with the production of sugar and ethanol. International Journal of Biological Macromolecules, 2014, 71, 2-7.	3.6	53
32	Polyhydroxyalkanoate biosynthesis and simultaneous remotion of organic inhibitors from sugarcane bagasse hydrolysate by Burkholderia sp.. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 1353-1363.	1.4	65
33	Influence of pH on the Molecular Weight of Poly-3-hydroxybutyric Acid (P3HB) Produced by Recombinant Escherichia coli. Applied Biochemistry and Biotechnology, 2013, 170, 1336-1347.	1.4	5
34	Metabolic pathways analysis in PHAs production by Pseudomonas with 13C-labeling experiments. Computer Aided Chemical Engineering, 2013, 32, 121-126.	0.3	8
35	Role of <i>CcpA</i> in Polyhydroxybutyrate Biosynthesis in a Newly Isolated <i>Bacillus</i> sp. MA3.3. Journal of Molecular Microbiology and Biotechnology, 2011, 20, 63-69.	1.0	5
36	Biodegradation of Coir and Sisal Applied in the Automotive Industry. Journal of Polymers and the Environment, 2011, 19, 677-688.	2.4	26

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37	PHB Biosynthesis in Catabolite Repression Mutant of Burkholderia sacchari. Current Microbiology, 2011, 63, 319-326.	1.0	32
38	Screening of bacteria to produce polyhydroxyalkanoates from xylose. World Journal of Microbiology and Biotechnology, 2009, 25, 1751-1756.	1.7	53
39	PHAMCL biosynthesis systems in Pseudomonas aeruginosa and Pseudomonas putida strains show differences on monomer specificities. Journal of Biotechnology, 2009, 143, 111-118.	1.9	43
40	Cloning and overexpression of the xylose isomerase gene from Burkholderia sacchari and production of polyhydroxybutyrate from xylose. Canadian Journal of Microbiology, 2009, 55, 1012-1015.	0.8	17
41	Disruption of the 2-methylcitric acid cycle and evaluation of poly-3-hydroxybutyrate-co-3-hydroxyvalerate biosynthesis suggest alternate catabolic pathways of propionate inBurkholderia sacchari. Canadian Journal of Microbiology, 2009, 55, 688-697.	0.8	6
42	Synthesis of biodegradable polyhydroxyalcanoate copolymer from a renewable source by alternate feeding. Polymer Engineering and Science, 2008, 48, 2051-2059.	1.5	14
43	Biosynthesis and characterization of biodegradable Poly(3-hydroxybutyrate) from renewable sources. Revista Materia, 2008, 13, 1-11.	0.1	2
44	ProduÃ§Ã£o biotecnolÃ³gica de poli-hidroxialcanoatos para a geraÃ§Ã£o de polÃmeros biodegradÃ¡veis no Brasil. Quimica Nova, 2007, 30, 1732-1743.	0.3	29
45	High-Cell-Density Cultivation of <I>Pseudomonas putida</I> IPT 046 and Medium-Chain-Length Polyhydroxyalkanoate Production From Sugarcane Carbohydrates. Applied Biochemistry and Biotechnology, 2004, 119, 51-70.	1.4	61
46	Poly-3-hydroxybutyrate (P3HB) production by bacteria from xylose, glucose and sugarcane bagasse hydrolysate. Journal of Industrial Microbiology and Biotechnology, 2004, 31, 245-254.	1.4	181
47	Medium-chain-length polyhydroxyalkanoic acids (PHAmcl) produced by Pseudomonas putida IPT 046 from renewable sources. European Polymer Journal, 2003, 39, 1385-1394.	2.6	75
48	Polycaprolactone based biodegradable polyurethanes. Macromolecular Symposia, 2003, 197, 255-264.	0.4	29
49	Identification of the 2-Methylcitrate Pathway Involved in the Catabolism of Propionate in the Polyhydroxyalkanoate-Producing Strain Burkholderia sacchari IPT101 T and Analysis of a Mutant Accumulating a Copolyester with Higher 3-Hydroxyvalerate Content. Applied and Environmental Microbiology, 2002, 68, 271-279.	1.4	48
50	Polyhydroxyalkanoate-accumulating bacterium isolated from soil of a sugar-cane plantation in Brazil.. International Journal of Systematic and Evolutionary Microbiology, 2001, 51, 1709-1713.	0.8	100
51	Propionic acid metabolism and poly-3-hydroxybutyrate-co-3-hydroxyvalerate (P3HB-co-3HV) production by Burkholderia sp.. Journal of Biotechnology, 2000, 76, 165-174.	1.9	48
52	A suitable procedure to choose antimicrobials as controlling agents in fermentations performed by bacteria. Brazilian Journal of Microbiology, 2000, 31, .	0.8	8
53	Analysis of bioreactor experimental data by the application of metabolic pathway stoichiometry to polyhydroxyalkanoate production by Alcaligenes Eutrophus. Brazilian Journal of Chemical Engineering, 1999, 16, 199-204.	0.7	1
54	Evaluation of soil gram-negative bacteria yielding polyhydroxyalkanoic acids from carbohydrates and propionic acid. Applied Microbiology and Biotechnology, 1996, 45, 785-791.	1.7	93