Maria AscensÃ£o Reis

List of Publications by Year
in descending order

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264	15,898	14655 66	21540 114
papers	citations	h-index	g-index

270	270	270	11999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a layered bacterial <scp>nanocelluloseâ€PHBV</scp> composite for food packaging. Journal of the Science of Food and Agriculture, 2023, 103, 1077-1087.	3.5	13
2	An integrated process for mixed culture production of 3-hydroxyhexanoate-rich polyhydroxyalkanoates from fruit waste. Chemical Engineering Journal, 2022, 427, 131908.	12.7	30
3	The impact of biomass withdrawal strategy on the biomass selection and polyhydroxyalkanoates accumulation of mixed microbial cultures. New Biotechnology, 2022, 66, 8-15.	4.4	16
4	Diclofenac biotransformation in the enhanced biological phosphorus removal process. Science of the Total Environment, 2022, 806, 151232.	8.0	7
5	Sustainable use of agro-industrial wastes as potential feedstocks for exopolysaccharide production by selected Halomonas strains. Environmental Science and Pollution Research, 2022, 29, 22043-22055.	5.3	12
6	Valorization of wastewater from food industry: moving to a circular bioeconomy. Reviews in Environmental Science and Biotechnology, 2022, 21, 269-295.	8.1	12
7	Polyhydroxyalkanoates Production by Mixed Microbial Culture under High Salinity. Sustainability, 2022, 14, 1346.	3.2	3
8	Extraction of the Bacterial Extracellular Polysaccharide FucoPol by Membrane-Based Methods: Efficiency and Impact on Biopolymer Properties. Polymers, 2022, 14, 390.	4.5	11
9	Influence of Dissolved Oxygen Level on Chitinâ€“Glucan Complex and Mannans Production by the Yeast Pichia pastoris. Life, 2022, 12, 161.	2.4	2
10	Dynamics of Microbial Communities in Phototrophic Polyhydroxyalkanoate Accumulating Cultures. Microorganisms, 2022, 10, 351.	3.6	6
11	Polyhydroxyalkanoates from industrial cheese whey: Production and characterization of polymers with differing hydroxyvalerate content. Current Research in Biotechnology, 2022, 4, 211-220.	3.7	9
12	MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants. Nature Communications, 2022, 13, 1908.	12.8	114
13	Characterization of the Thermostable Biosurfactant Produced by Burkholderia thailandensis DSM 13276. Polymers, 2022, 14, 2088.	4.5	8
14	Polyhydroxyalkanoates from a Mixed Microbial Culture: Extraction Optimization and Polymer Characterization. Polymers, 2022, 14, 2155.	4.5	14
15	Development of Olive Oil and Î±-Tocopherol Containing Emulsions Stabilized by FucoPol: Rheological and Textural Analyses. Polymers, 2022, 14, 2349.	4.5	6
16	Subcritical Water as a Pre-Treatment of Mixed Microbial Biomass for the Extraction of Polyhydroxyalkanoates. Bioengineering, 2022, 9, 302.	3.5	2
17	A review of the biotransformations of priority pharmaceuticals in biological wastewater treatment processes. Water Research, 2021, 188, 116446.	11.3	131
18	Cation-mediated gelation of the fucose-rich polysaccharide FucoPol: preparation and characterization of hydrogel beads and their cytotoxicity assessment. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 90-99.	3.4	10

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19	Production of medium-chain-length polyhydroxyalkanoates by Pseudomonas chlororaphis subsp. aurantiaca: Cultivation on fruit pulp waste and polymer characterization. International Journal of Biological Macromolecules, 2021, 167, 85-92.	7.5	31
20	Feeding strategies to optimize vanillin production by Amycolatopsis sp. ATCC 39116. Bioprocess and Biosystems Engineering, 2021, 44, 737-747.	3.4	14
21	Oxygen Plasma Treated-Electrospun Polyhydroxyalkanoate Scaffolds for Hydrophilicity Improvement and Cell Adhesion. Polymers, 2021, 13, 1056.	4.5	17
22	Microbial production of medium-chain length polyhydroxyalkanoates. Process Biochemistry, 2021, 102, 393-407.	3.7	32
23	A Two-Stage Process for Conversion of Brewerâ€™s Spent Grain into Volatile Fatty Acids through Acidogenic Fermentation. Applied Sciences (Switzerland), 2021, 11, 3222.	2.5	14
24	Blends of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) with Fruit Pulp Biowaste Derived Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate-co-3-Hydroxyhexanoate) for Organic Recycling Food Packaging. Polymers, 2021, 13, 1155.	4.5	20
25	Photoprotective effect of the fucose-containing polysaccharide FucoPol. Carbohydrate Polymers, 2021, 259, 117761.	10.2	13
26	Development of a Cryoprotective Formula Based on the Fucose-Containing Polysaccharide FucoPol. ACS Applied Bio Materials, 2021, 4, 4800-4808.	4.6	6
27	Development and Characterization of Electrospun Biopapers of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Derived from Cheese Whey with Varying 3-Hydroxyvalerate Contents. Biomacromolecules, 2021, 22, 2935-2953.	5.4	18
28	Combined Strategies to Boost Polyhydroxyalkanoate Production from Fruit Waste in a Three-Stage Pilot Plant. ACS Sustainable Chemistry and Engineering, 2021, 9, 8270-8279.	6.7	38
29	Accumulibacter diversity at the sub-clade level impacts enhanced biological phosphorus removal performance. Water Research, 2021, 199, 117210.	11.3	27
30	Raman Spectrometry as a Tool for an Online Control of a Phototrophic Biological Nutrient Removal Process. Applied Sciences (Switzerland), 2021, 11, 6600.	2.5	3
31	Post-Transcriptional Control in the Regulation of Polyhydroxyalkanoates Synthesis. Life, 2021, 11, 853.	2.4	1
32	Supercritical CO2 Assisted Impregnation of Ibuprofen on Medium-Chain-Length Polyhydroxyalkanoates (mcl-PHA). Molecules, 2021, 26, 4772.	3.8	7
33	Characterization and Biotechnological Potential of Extracellular Polysaccharides Synthesized by Alteromonas Strains Isolated from French Polynesia Marine Environments. Marine Drugs, 2021, 19, 522.	4.6	23
34	Antioxidant Potential of the Bio-Based Fucose-Rich Polysaccharide FucoPol Supports Its Use in Oxidative Stress-Inducing Systems. Polymers, 2021, 13, 3020.	4.5	11
35	The storage compounds associated with TetrasphaeraÂPAO metabolism and the relationship between diversity and P removal. Water Research, 2021, 204, 117621.	11.3	32
36	Phosphorus and carbon solubilization strategies for wastewater sludge valorisation. Journal of Environmental Chemical Engineering, 2021, 9, 106261.	6.7	2

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37	Sludge retention time impacts on polyhydroxyalkanoate productivity in uncoupled storage/growth processes. Science of the Total Environment, 2021, 799, 149363.	8.0	19
38	Monitoring pilot-scale polyhydroxyalkanoate production from fruit pulp waste using near-infrared spectroscopy. Biochemical Engineering Journal, 2021, 176, 108210.	3.6	8
39	New Phototrophic Factories for Resource Recovery. , 2021, , 413-438.		0
40	Phosphorus and ammonium removal characteristics from aqueous solutions by a newly isolated plant growth-promoting bacterium. Environmental Technology (United Kingdom), 2020, 41, 2603-2617.	2.2	4
41	Demonstration of the ability of the bacterial polysaccharide FucoPol to flocculate kaolin suspensions. Environmental Technology (United Kingdom), 2020, 41, 287-295.	2.2	10
42	Pseudomonas chlororaphis as a multiproduct platform: Conversion of glycerol into high-value biopolymers and phenazines. New Biotechnology, 2020, 55, 84-90.	4.4	25
43	A novel metabolic-ASM model for full-scale biological nutrient removal systems. Water Research, 2020, 171, 115373.	11.3	28
44	Novel hydrogels based on yeast chitin-glucan complex: Characterization and safety assessment. International Journal of Biological Macromolecules, 2020, 156, 1104-1111.	7.5	16
45	Biosorption of Heavy Metals by the Bacterial Exopolysaccharide FucoPol. Applied Sciences (Switzerland), 2020, 10, 6708.	2.5	31
46	Valorization of raw brewersâ€™ spent grain through the production of volatile fatty acids. New Biotechnology, 2020, 57, 4-10.	4.4	40
47	Two-stage anaerobic digestion system treating different seasonal fruit pulp wastes: Impact on biogas and hydrogen production and total energy recovery potential. Biomass and Bioenergy, 2020, 141, 105694.	5.7	22
48	Microneedle Arrays of Polyhydroxyalkanoate by Laser-Based Micromolding Technique. ACS Applied Bio Materials, 2020, 3, 5856-5864.	4.6	9
49	Demonstration of the cryoprotective properties of the fucose-containing polysaccharide FucoPol. Carbohydrate Polymers, 2020, 245, 116500.	10.2	34
50	Community profile governs substrate competition in polyhydroxyalkanoate (PHA)-producing mixed cultures. New Biotechnology, 2020, 58, 32-37.	4.4	17
51	Low Temperature Dissolution of Yeast Chitin-Glucan Complex and Characterization of the Regenerated Polymer. Bioengineering, 2020, 7, 28.	3.5	4
52	Silver nanocomposites based on the bacterial fucose-rich polysaccharide secreted by Enterobacter A47 for wound dressing applications: Synthesis, characterization and in vitro bioactivity. International Journal of Biological Macromolecules, 2020, 163, 959-969.	7.5	32
53	Preparation and Characterization of Films Based on a Natural P(3HB)/mcl-PHA Blend Obtained through the Co-culture of Cupriavidus Necator and Pseudomonas Citronellolis in Apple Pulp Waste. Bioengineering, 2020, 7, 34.	3.5	44
54	Bioaugmentation of membrane bioreactor with Achromobacter denitrificans strain PR1 for enhanced sulfamethoxazole removal in wastewater. Science of the Total Environment, 2019, 648, 44-55.	8.0	36

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55	Antimicrobial and Antioxidant Performance of Various Essential Oils and Natural Extracts and Their Incorporation into Biowaste Derived Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Layers Made from Electrospun Ultrathin Fibers. Nanomaterials, 2019, 9, 144.	4.1	62
56	Biofilms in RBC with Constant Ages and Thicknesses. Journal of Environmental Engineering, ASCE, 2019, 145, 04019022.	1.4	0
57	A Process Engineering Approach to Improve Production of P(3HB) byCupriavidus necatorfrom Used Cooking Oil. International Journal of Polymer Science, 2019, 2019, 1-7.	2.7	9
58	Occurrence of non-toxic bioemulsifiers during polyhydroxyalkanoate production by Pseudomonas strains valorizing crude glycerol by-product. Bioresource Technology, 2019, 281, 31-40.	9.6	20
59	Demonstration of the adhesive properties of the medium-chain-length polyhydroxyalkanoate produced by Pseudomonas chlororaphis subsp. aurantiaca from glycerol. International Journal of Biological Macromolecules, 2019, 122, 1144-1151.	7.5	50
60	Application of dissolved oxygen (DO) level control for polyhydroxyalkanoate (PHA) accumulation with concurrent nitrification in surplus municipal activated sludge. New Biotechnology, 2019, 50, 37-43.	4.4	21
61	Denitrifying capabilities of Tetrasphaera and their contribution towards nitrous oxide production in enhanced biological phosphorus removal processes. Water Research, 2018, 137, 262-272.	11.3	67
62	Functional redundancy ensures performance robustness in 3-stage PHA-producing mixed cultures under variable feed operation. New Biotechnology, 2018, 40, 207-217.	4.4	28
63	Cheese whey integrated valorisation: Production, concentration and exploitation of carboxylic acids for the production of polyhydroxyalkanoates by a fed-batch culture. Chemical Engineering Journal, 2018, 336, 47-53.	12.7	78
64	Denitrification activity of polyphosphate accumulating organisms (PAOs) in full-scale wastewater treatment plants. Water Science and Technology, 2018, 78, 2449-2458.	2.5	17
65	Assessment of Protein-Rich Cheese Whey Waste Stream as a Nutrients Source for Low-Cost Mixed Microbial PHA Production. Applied Sciences (Switzerland), 2018, 8, 1817.	2.5	23
66	Polymer accumulation in mixed cyanobacterial cultures selected under the feast and famine strategy. Algal Research, 2018, 33, 99-108.	4.6	27
67	Performance of a two-stage anaerobic digestion system treating fruit pulp waste: The impact of substrate shift and operational conditions. Waste Management, 2018, 78, 434-445.	7.4	23
68	Preparation and Characterization of Electrospun Food Biopackaging Films of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Derived From Fruit Pulp Biowaste. Frontiers in Sustainable Food Systems, 2018, 2, .	3.9	57
69	Metabolic modeling of the substrate competition among multiple VFAs for PHA production by mixed microbial cultures. Journal of Biotechnology, 2018, 280, 62-69.	3.8	34
70	Hybrid modeling of microbial exopolysaccharide (EPS) production: The case of Enterobacter A47. Journal of Biotechnology, 2017, 246, 61-70.	3.8	3
71	Co-production of chitin-glucan complex and xylitol by Komagataella pastoris using glucose and xylose mixtures as carbon source. Carbohydrate Polymers, 2017, 166, 24-30.	10.2	18
72	The link of feast-phase dissolved oxygen (DO) with substrate competition and microbial selection in PHA production. Water Research, 2017, 112, 269-278.	11.3	88

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73	Metabolism and ecological niche of Tetrasphaera and Ca. Accumulibacter in enhanced biological phosphorus removal. Water Research, 2017, 122, 159-171.	11.3	124
74	Engineering aspects of microbial exopolysaccharide production. Bioresource Technology, 2017, 245, 1674-1683.	9.6	129
75	Microbial Conversion of Waste and Surplus Materials into High-Value Added Products: The Case of Biosurfactants. , 2017, , 29-77.		8
76	Effect of Operational Parameters in the Continuous Anaerobic Fermentation of Cheese Whey on Titers, Yields, Productivities, and Microbial Community Structures. ACS Sustainable Chemistry and Engineering, 2017, 5, 1400-1407.	6.7	55
77	Production of FucoPol by Enterobacter A47 using waste tomato paste by-product as sole carbon source. Bioresource Technology, 2017, 227, 66-73.	9.6	26
78	Impact of sludge retention time on MBR fouling: role of extracellular polymeric substances determined through membrane autopsy. Biofouling, 2017, 33, 556-566.	2.2	13
79	Using a bacterial fucose-rich polysaccharide as encapsulation material of bioactive compounds. International Journal of Biological Macromolecules, 2017, 104, 1099-1106.	7.5	25
80	Strategies for efficiently selecting PHA producing mixed microbial cultures using complex feedstocks: Feast and famine regime and uncoupled carbon and nitrogen availabilities. New Biotechnology, 2017, 37, 69-79.	4.4	125
81	Dynamic change of pH in acidogenic fermentation of cheese whey towards polyhydroxyalkanoates production: Impact on performance and microbial population. New Biotechnology, 2017, 37, 108-116.	4.4	41
82	Implementation of a repeated fed-batch process for the production of chitin-glucan complex by Komagataella pastoris. New Biotechnology, 2017, 37, 123-128.	4.4	8
83	Statistical evaluation and discrimination of competing kinetic models and hypothesis for the mathematical description of poly-3(hydroxybutyrate) synthesis by Cupriavidus necator DSM 545. Chemical Engineering Science, 2017, 160, 20-33.	3.8	5
84	Recent Advances and Challenges towards Sustainable Polyhydroxyalkanoate (PHA) Production. Bioengineering, 2017, 4, 55.	3.5	478
85	Multipurpose, Integrated 2nd Generation Biorefineries. BioMed Research International, 2016, 2016, 1-2.	1.9	2
86	Characterization of polyhydroxyalkanoate blends incorporating unpurified biosustainably produced poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate). Journal of Applied Polymer Science, 2016, 133, .	2.6	17
87	Development and characterization of bilayer films of FucoPol and chitosan. Carbohydrate Polymers, 2016, 147, 8-15.	10.2	101
88	Effects of fermentation residues on the melt processability and thermomechanical degradation of PHBV produced from cheese whey using mixed microbial cultures. Polymer Degradation and Stability, 2016, 128, 269-277.	5.8	18
89	Assessment of the adhesive properties of the bacterial polysaccharide FucoPol. International Journal of Biological Macromolecules, 2016, 92, 383-389.	7.5	20
90	Improving succinic acid production by Actinobacillus succinogenes from raw industrial carob pods. Bioresource Technology, 2016, 218, 491-497.	9.6	51

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91	Production of bacterial nanobiocomposites of polyhydroxyalkanoates derived from waste and bacterial nanocellulose by the electrospinning enabling melt compounding method. Journal of Applied Polymer Science, 2016, 133, .	2.6	36
92	Impact of fermentation residues on the thermal, structural, and rheological properties of polyhydroxy(butyrateâ€coâ€valerate) produced from cheese whey and olive oil mill wastewater. Journal of Applied Polymer Science, 2016, 133, .	2.6	22
93	Valorization of fatty acids-containing wastes and byproducts into short- and medium-chain length polyhydroxyalkanoates. New Biotechnology, 2016, 33, 206-215.	4.4	75
94	Exopolysaccharide production by a marine Pseudoalteromonas sp. strain isolated from Madeira Archipelago ocean sediments. New Biotechnology, 2016, 33, 460-466.	4.4	51
95	Characterization of medium chain length polyhydroxyalkanoate produced from olive oil deodorizer distillate. International Journal of Biological Macromolecules, 2016, 82, 243-248.	7.5	33
96	Conversion of cheese whey into poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by Haloferax mediterranei. New Biotechnology, 2016, 33, 224-230.	4.4	109
97	Exopolysaccharides enriched in rare sugars: bacterial sources, production, and applications. Frontiers in Microbiology, 2015, 6, 288.	3.5	107
98	Polyhydroxyalkanoate granules quantification in mixed microbial cultures using image analysis: Sudan Black B versus Nile Blue A staining. Analytica Chimica Acta, 2015, 865, 8-15.	5.4	16
99	Modelling the biodegradation kinetics of the herbicide propanil and its metabolite 3,4-dichloroaniline. Environmental Science and Pollution Research, 2015, 22, 6687-6695.	5.3	16
100	Chitinâ€“glucan complex production by Komagataella pastoris : Downstream optimization and product characterization. Carbohydrate Polymers, 2015, 130, 455-464.	10.2	55
101	Conversion of cheese whey into a fucose- and glucuronic acid-rich extracellular polysaccharide by Enterobacter A47. Journal of Biotechnology, 2015, 210, 1-7.	3.8	22
102	Rheological studies of the fucose-rich exopolysaccharide FucoPol. International Journal of Biological Macromolecules, 2015, 79, 611-617.	7.5	35
103	Bacterial Polysaccharides: Production and Applications in Cosmetic Industry. , 2015, , 2017-2043.		13
104	Online monitoring of P(3HB) produced from used cooking oil with near-infrared spectroscopy. Journal of Biotechnology, 2015, 194, 1-9.	3.8	43
105	Biowaste biorefinery in Europe: opportunities and research & development needs. New Biotechnology, 2015, 32, 100-108.	4.4	162
106	Ecotoxicity of ketoprofen, diclofenac, atenolol and their photolysis byproducts in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.0	103
107	The impact of aeration on the competition between polyphosphate accumulating organisms and glycogen accumulating organisms. Water Research, 2014, 66, 296-307.	11.3	107
108	The relationship between mixed microbial culture composition and PHA production performance from fermented molasses. New Biotechnology, 2014, 31, 257-263.	4.4	90

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109	Improvement on the yield of polyhydroxyalkanotes production from cheese whey by a recombinant Escherichia coli strain using the proton suicide methodology. Enzyme and Microbial Technology, 2014, 55, 151-158.	3.2	32
110	Impact of glycerol and nitrogen concentration on Enterobacter A47 growth and exopolysaccharide production. International Journal of Biological Macromolecules, 2014, 71, 81-86.	7.5	25
111	Recovery of amorphous polyhydroxybutyrate granules from Cupriavidus necator cells grown on used cooking oil. International Journal of Biological Macromolecules, 2014, 71, 117-123.	7.5	62
112	Editorial. New Biotechnology, 2014, 31, 255-256.	4.4	0
113	Conversion of fat-containing waste from the margarine manufacturing process into bacterial polyhydroxyalkanoates. International Journal of Biological Macromolecules, 2014, 71, 68-73.	7.5	32
114	Characterization of polyhydroxyalkanoates synthesized from microbial mixed cultures and of their nanobiocomposites with bacterial cellulose nanowhiskers. New Biotechnology, 2014, 31, 364-376.	4.4	97
115	Succinic acid production from glycerol by Actinobacillus succinogenes using dimethylsulfoxide as electron acceptor. New Biotechnology, 2014, 31, 133-139.	4.4	53
116	Production of polyhydroxyalkanoates from spent coffee grounds oil obtained by supercritical fluid extraction technology. Bioresource Technology, 2014, 157, 360-363.	9.6	110
117	The impact of pH control on the volumetric productivity of mixed culture PHA production from fermented molasses. Engineering in Life Sciences, 2014, 14, 143-152.	3.6	38
118	Design, synthesis and biological evaluation of novel isoniazid derivatives with potent antitubercular activity. European Journal of Medicinal Chemistry, 2014, 81, 119-138.	5.5	97
119	Dynamic metabolic modelling of volatile fatty acids conversion to polyhydroxyalkanoates by a mixed microbial culture. New Biotechnology, 2014, 31, 335-344.	4.4	17
120	Microbial polysaccharideâ€based membranes: Current and future applications. Journal of Applied Polymer Science, 2014, 131, .	2.6	63
121	Mercury removal from water streams through the ion exchange membrane bioreactor concept. Journal of Hazardous Materials, 2014, 264, 65-70.	12.4	115
122	Chitinâ€“glucan complex production by Komagataella (Pichia) pastoris: impact of cultivation pH and temperature on polymer content and composition. New Biotechnology, 2014, 31, 468-474.	4.4	16
123	Stabilization of antimicrobial silver nanoparticles by a polyhydroxyalkanoate obtained from mixed bacterial culture. International Journal of Biological Macromolecules, 2014, 71, 103-110.	7.5	46
124	Monitoring intracellular polyphosphate accumulation in enhanced biological phosphorus removal systems by quantitative image analysis. Water Science and Technology, 2014, 69, 2315-2323.	2.5	1
125	An extracellular polymer at the interface of magnetic bioseparations. Journal of the Royal Society Interface, 2014, 11, 20140743.	3.4	22
126	The effect of substrate competition on the metabolism of polyphosphate accumulating organisms (PAOs). Water Research, 2014, 64, 149-159.	11.3	71

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127	Metabolic modelling of full-scale enhanced biological phosphorus removal sludge. Water Research, 2014, 66, 283-295.	11.3	41
128	Survival strategies of polyphosphate accumulating organisms and glycogen accumulating organisms under conditions of low organic loading. Bioresource Technology, 2014, 172, 290-296.	9.6	43
129	Controlled Production of Exopolysaccharides from Enterobacter A47 as a Function of Carbon Source with Demonstration of Their Film and Emulsifying Abilities. Applied Biochemistry and Biotechnology, 2014, 172, 641-657.	2.9	49
130	Carob pod water extracts as feedstock for succinic acid production by Actinobacillus succinogenes 130Z. Bioresource Technology, 2014, 170, 491-498.	9.6	25
131	Response of a three-stage process for PHA production by mixed microbial cultures to feedstock shift: impact on polymer composition. New Biotechnology, 2014, 31, 276-288.	4.4	120
132	Biodegradable films produced from the bacterial polysaccharide FucoPol. International Journal of Biological Macromolecules, 2014, 71, 111-116.	7.5	46
133	Photosynthetic mixed culture polyhydroxyalkanoate (PHA) production from individual and mixed volatile fatty acids (VFAs): Substrate preferences and co-substrate uptake. Journal of Biotechnology, 2014, 185, 19-27.	3.8	119
134	Bacterial Polysaccharides: Production and Applications in Cosmetic Industry. , 2014, , 1-24.		7
135	Prediction of intracellular storage polymers using quantitative image analysis in enhanced biological phosphorus removal systems. Analytica Chimica Acta, 2013, 770, 36-44.	5.4	15
136	Development of a hybrid model strategy for monitoring membrane bioreactors. Journal of Biotechnology, 2013, 164, 386-395.	3.8	11
137	Metabolic versatility in full-scale wastewater treatment plants performing enhanced biological phosphorus removal. Water Research, 2013, 47, 7032-7041.	11.3	84
138	Production of drinking water using a multi-barrier approach integrating nanofiltration: A pilot scale study. Separation and Purification Technology, 2013, 119, 112-122.	7.9	25
139	Effect of dark/light periods on the polyhydroxyalkanoate production of a photosynthetic mixed culture. Bioresource Technology, 2013, 148, 474-479.	9.6	32
140	Determination of the extraction kinetics for the quantification of polyhydroxyalkanoate monomers in mixed microbial systems. Process Biochemistry, 2013, 48, 1626-1634.	3.7	61
141	Polyhydroxyalkanoates production by a mixed photosynthetic consortium of bacteria and algae. Bioresource Technology, 2013, 132, 146-153.	9.6	83
142	Photodegradation kinetics and transformation products of ketoprofen, diclofenac and atenolol in pure water and treated wastewater. Journal of Hazardous Materials, 2013, 244-245, 516-527.	12.4	157
143	Propionate addition enhances the biodegradation of the xenobiotic herbicide propanil and its metabolite. Bioresource Technology, 2013, 127, 195-201.	9.6	11
144	Link between microbial composition and carbon substrate-uptake preferences in a PHA-storing community. ISME Journal, 2013, 7, 1-12.	9.8	138

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145	Segregated flux balance analysis constrained by population structure/function data: The case of PHA production by mixed microbial cultures. Biotechnology and Bioengineering, 2013, 110, 2267-2276.	3.3	10
146	Flux balance analysis of mixed microbial cultures: Application to the production of polyhydroxyalkanoates from complex mixtures of volatile fatty acids. Journal of Biotechnology, 2012, 162, 336-345.	3.8	51
147	Multivariate statistically-based modelling of a membrane bioreactor for wastewater treatment using 2D fluorescence monitoring data. Water Research, 2012, 46, 3623-3636.	11.3	42
148	Kinetics of nitrate and perchlorate removal and biofilm stratification in an ion exchange membrane bioreactor. Water Research, 2012, 46, 4556-4568.	11.3	75
149	Optimisation of glycogen quantification in mixed microbial cultures. Bioresource Technology, 2012, 118, 518-525.	9.6	61
150	Study of the interactive effect of temperature and pH on exopolysaccharide production by Enterobacter A47 using multivariate statistical analysis. Bioresource Technology, 2012, 119, 148-156.	9.6	40
151	Production of yeast chitinâ€“glucan complex from biodiesel industry byproduct. Process Biochemistry, 2012, 47, 1670-1675.	3.7	39
152	Validation of the ion-exchange membrane bioreactor concept in a plate-and-frame module configuration. Process Biochemistry, 2012, 47, 1832-1838.	3.7	5
153	Biodegradation of clofibric acid and identification of its metabolites. Journal of Hazardous Materials, 2012, 241-242, 182-189.	12.4	42
154	Assessing the removal of pharmaceuticals and personal care products in a full-scale activated sludge plant. Environmental Science and Pollution Research, 2012, 19, 1818-1827.	5.3	132
155	Hybrid modeling of counterion mass transfer in a membrane-supported biofilm reactor. Biochemical Engineering Journal, 2012, 62, 22-33.	3.6	9
156	Microbial population analysis of nutrient removal-related organisms in membrane bioreactors. Applied Microbiology and Biotechnology, 2012, 93, 2171-2180.	3.6	49
157	Biodegradable Membrane. , 2012, , 1-2.		0
158	Biodegradable Organic Matter. , 2012, , 1-2.		1
159	Ethylenediamine-N,Nâ€™-diglutaric acid (EDDG) as a promising biodegradable chelator: Quantification, complexation and biodegradation. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 553-559.	1.7	3
160	Influence of temperature on the rheological behavior of a new fucose-containing bacterial exopolysaccharide. International Journal of Biological Macromolecules, 2011, 48, 695-699.	7.5	25
161	Kinetics of production and characterization of the fucose-containing exopolysaccharide from Enterobacter A47. Journal of Biotechnology, 2011, 156, 261-267.	3.8	44
162	Microbial Characterization of Mercury-Reducing Mixed Cultures Enriched with Different Carbon Sources. Microbes and Environments, 2011, 26, 293-300.	1.6	3

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163	Advances in bacterial exopolysaccharides: from production to biotechnological applications. Trends in Biotechnology, 2011, 29, 388-398.	9.3	607
164	Arsenic removal from drinking water through a hybrid ion exchange membrane â€“ Coagulation process. Separation and Purification Technology, 2011, 83, 137-143.	7.9	66
165	Multivariate statistical modelling of mass transfer in a membrane-supported biofilm reactor. Process Biochemistry, 2011, 46, 1981-1992.	3.7	5
166	Assessing the diurnal variability of pharmaceutical and personal care products in a full-scale activated sludge plant. Environmental Pollution, 2011, 159, 2359-2367.	7.5	79
167	Twoâ€dimensional fluorescence as a fingerprinting tool for monitoring wastewater treatment systems. Journal of Chemical Technology and Biotechnology, 2011, 86, 985-992.	3.2	33
168	Fucose-containing exopolysaccharide produced by the newly isolated Enterobacter strain A47 DSM 23139. Carbohydrate Polymers, 2011, 83, 159-165.	10.2	126
169	Characterization of biodegradable films from the extracellular polysaccharide produced by Pseudomonas oleovorans grown on glycerol byproduct. Carbohydrate Polymers, 2011, 83, 1582-1590.	10.2	44
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