

Mauro Majone

List of Publications by Year in descending order

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65
papers

2,759
citations

136885

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182361

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docs citations

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times ranked

2571
citing authors

#	ARTICLE	IF	CITATIONS
1	Autotrophic Acetate Production under Hydrogenophilic and Bioelectrochemical Conditions with a Thermally Treated Mixed Culture. <i>Membranes</i> , 2022, 12, 126.	1.4	1
2	Modelling Mixed Microbial Culture Polyhydroxyalkanoate Accumulation Bioprocess towards Novel Methods for Polymer Production Using Dilute Volatile Fatty Acid Rich Feedstocks. <i>Bioengineering</i> , 2022, 9, 125.	1.6	4
3	Downstream processing and characterization of polyhydroxyalkanoates (PHAs) produced by mixed microbial culture (MMC) and organic urban waste as substrate. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 693-703.	2.9	34
4	Chromate fate and effect in bioelectrochemical systems for remediation of chlorinated solvents. <i>New Biotechnology</i> , 2021, 60, 27-35.	2.4	10
5	Simplified Reactor Design for Mixed Culture-Based Electrofermentation toward Butyric Acid Production. <i>Processes</i> , 2021, 9, 417.	1.3	6
6	Characterization of Polyhydroxyalkanoates Produced at Pilot Scale From Different Organic Wastes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 628719.	2.0	31
7	Effects of the Feeding Solution Composition on a Reductive/Oxidative Sequential Bioelectrochemical Process for Perchloroethylene Removal. <i>Processes</i> , 2021, 9, 405.	1.3	9
8	Special issue in memory of Valter Tandoi (IRSA-CNR) "A life-long commitment to environmental biotechnology. <i>New Biotechnology</i> , 2021, 62, 57-59.	2.4	0
9	Ethyl Esters as Green Solvents for the Extraction of Intracellular Polyhydroxyalkanoates Produced by Mixed Microbial Culture. <i>Polymers</i> , 2021, 13, 2789.	2.0	10
10	Control of Sulfate and Nitrate Reduction by Setting Hydraulic Retention Time and Applied Potential on a Membraneless Microbial Electrolysis Cell for Perchloroethylene Removal. <i>ACS Omega</i> , 2021, 6, 25211-25218.	1.6	7
11	Metagenomic Analysis Reveals Microbial Interactions at the Biocathode of a Bioelectrochemical System Capable of Simultaneous Trichloroethylene and Cr(VI) Reduction. <i>Frontiers in Microbiology</i> , 2021, 12, 747670.	1.5	5
12	Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale. <i>Molecules</i> , 2021, 26, 539.	1.7	5
13	An urban biorefinery for food waste and biological sludge conversion into polyhydroxyalkanoates and biogas. <i>Water Research</i> , 2020, 170, 115371.	5.3	112
14	Effect of the temperature in a mixed culture pilot scale aerobic process for food waste and sewage sludge conversion into polyhydroxyalkanoates. <i>Journal of Biotechnology</i> , 2020, 323, 54-61.	1.9	22
15	Biopolymers from Urban Organic Waste: Influence of the Solid Retention Time to Cycle Length Ratio in the Enrichment of a Mixed Microbial Culture (MMC). <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14531-14539.	3.2	39
16	Polychlorinated Biphenyl Profile in Polyhydroxy-alkanoates Synthetized from Urban Organic Wastes. <i>Polymers</i> , 2020, 12, 659.	2.0	8
17	Ammonium Recovery and Biogas Upgrading in a Tubular Micro-Pilot Microbial Electrolysis Cell (MEC). <i>Molecules</i> , 2020, 25, 2723.	1.7	13
18	Elemental concentration and migratability in bioplastics derived from organic waste. <i>Chemosphere</i> , 2020, 259, 127472.	4.2	20

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19	High rate selection of PHA accumulating mixed cultures in sequencing batch reactors with uncoupled carbon and nitrogen feeding. <i>New Biotechnology</i> , 2020, 56, 140-148.	2.4	44
20	Microbiome dynamics and phaC synthase genes selected in a pilot plant producing polyhydroxyalkanoate from the organic fraction of urban waste. <i>Science of the Total Environment</i> , 2019, 689, 765-773.	3.9	27
21	Electro-fermentation and redox mediators enhance glucose conversion into butyric acid with mixed microbial cultures. <i>Bioelectrochemistry</i> , 2019, 130, 107333.	2.4	34
22	Pilot-Scale Polyhydroxyalkanoate Production from Combined Treatment of Organic Fraction of Municipal Solid Waste and Sewage Sludge. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12149-12158.	1.8	100
23	Optimization of urban waste fermentation for volatile fatty acids production. <i>Waste Management</i> , 2019, 92, 21-29.	3.7	71
24	Reductive/Oxidative Sequential Bioelectrochemical Process for Perchloroethylene Removal. <i>Water (Switzerland)</i> , 2019, 11, 2579.	1.2	27
25	Acclimation Process for Enhancing Polyhydroxyalkanoate Accumulation in Activated-Sludge Biomass. <i>Waste and Biomass Valorization</i> , 2019, 10, 1065-1082.	1.8	9
26	Organic Fraction of Municipal Solid Waste Recovery by Conversion into Added-Value Polyhydroxyalkanoates and Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16375-16385.	3.2	73
27	A research challenge vision regarding management of agricultural waste in a circular bio-based economy. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 614-654.	6.6	189
28	Carbon recovery from wastewater through bioconversion into biodegradable polymers. <i>New Biotechnology</i> , 2017, 37, 9-23.	2.4	182
29	Electrochemically Driven Fermentation of Organic Substrates with Undefined Mixed Microbial Cultures. <i>ChemSusChem</i> , 2017, 10, 3091-3097.	3.6	40
30	Special Issue of <i>New Biotechnology</i> : "Biopolymers Eu Symposium". <i>New Biotechnology</i> , 2017, 37, 1.	2.4	0
31	Effect of culture residence time on substrate uptake and storage by a pure culture of <i>Thiothrix</i> (CT3). <i>Journal of Applied Polymer Science</i> , 2017, 133, 10743-10750.	2.4	10
32	Bioelectrochemical approach for reductive and oxidative dechlorination of chlorinated aliphatic hydrocarbons (CAHs). <i>Chemosphere</i> , 2017, 169, 351-360.	4.2	62
33	Impact of nitrogen feeding regulation on polyhydroxyalkanoates production by mixed microbial cultures. <i>New Biotechnology</i> , 2017, 37, 90-98.	2.4	66
34	Anion vs cation exchange membrane strongly affect mechanisms and yield of CO ₂ fixation in a microbial electrolysis cell. <i>Chemical Engineering Journal</i> , 2016, 304, 10-19.	6.6	54
35	Production of bacterial nanobiocomposites of polyhydroxyalkanoates derived from waste and bacterial nanocellulose by the electrospinning enabling melt compounding method. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	36
36	Impact of fermentation residues on the thermal, structural, and rheological properties of polyhydroxy(butyrate-co-valerate) produced from cheese whey and olive oil mill wastewater. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	22

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37	Influence of the set anode potential on the performance and internal energy losses of a methane-producing microbial electrolysis cell. <i>Bioelectrochemistry</i> , 2016, 107, 1-6.	2.4	50
38	Influence of nitrate and sulfate reduction in the bioelectrochemically assisted dechlorination of cis-DCE. <i>Chemosphere</i> , 2015, 125, 147-154.	4.2	30
39	Bioelectrochemically-assisted reductive dechlorination of 1,2-dichloroethane by a Dehalococcoides-enriched microbial culture. <i>Bioresource Technology</i> , 2015, 195, 78-82.	4.8	41
40	Relative contribution of set cathode potential and external mass transport on TCE dechlorination in a continuous-flow bioelectrochemical reactor. <i>Chemosphere</i> , 2015, 136, 72-78.	4.2	34
41	Polyhydroxyalkanoate (PHA) storage within a mixed-culture biomass with simultaneous growth as a function of accumulation substrate nitrogen and phosphorus levels. <i>Water Research</i> , 2015, 77, 49-63.	5.3	100
42	Fate of 1,2-hexachlorocyclohexane in the mixed microbial cultures (MMCs) three-stage polyhydroxyalkanoates (PHA) production process from cheese whey. <i>Bioresource Technology</i> , 2015, 192, 304-311.	4.8	35
43	In situ groundwater and sediment bioremediation: barriers and perspectives at European contaminated sites. <i>New Biotechnology</i> , 2015, 32, 133-146.	2.4	95
44	Editorial. <i>New Biotechnology</i> , 2014, 31, 255-256.	2.4	0
45	Characterization of polyhydroxyalkanoates synthesized from microbial mixed cultures and of their nanobiocomposites with bacterial cellulose nanowhiskers. <i>New Biotechnology</i> , 2014, 31, 364-376.	2.4	97
46	Polyhydroxyalkanoates production with mixed microbial cultures: from culture selection to polymer recovery in a high-rate continuous process. <i>New Biotechnology</i> , 2014, 31, 289-296.	2.4	74
47	Effect of the organic loading rate on the production of polyhydroxyalkanoates in a multi-stage process aimed at the valorization of olive oil mill wastewater. <i>International Journal of Biological Macromolecules</i> , 2014, 71, 34-41.	3.6	56
48	Feed frequency in a Sequencing Batch Reactor strongly affects the production of polyhydroxyalkanoates (PHAs) from volatile fatty acids. <i>New Biotechnology</i> , 2014, 31, 264-275.	2.4	66
49	Start up of biological sequencing batch reactor (SBR) and short-term biomass acclimation for polyhydroxyalkanoates production. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 261-270.	1.6	21
50	Carbon and nitrogen removal and enhanced methane production in a microbial electrolysis cell. <i>Bioresource Technology</i> , 2013, 130, 366-371.	4.8	132
51	Perspectives of biofuels production from renewable resources with bioelectrochemical systems. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S263.	0.8	19
52	High-rate anaerobic treatment of Fischer-Tropsch wastewater in a packed-bed biofilm reactor. <i>Water Research</i> , 2010, 44, 2745-2752.	5.3	53
53	Influence of mediator immobilization on the electrochemically assisted microbial dechlorination of trichloroethene (TCE) and cis-1,2-dichloroethene (cis-DCE). <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 864-870.	1.6	31
54	Theoretical and Experimental Analysis of the Role of Sludge Age on the Removal of Adsorbed Micropollutants in Activated Sludge Processes. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6775-6782.	1.8	10

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55	Effect of periodic feeding on substrate uptake and storage rates by a pure culture of <i>Thiothrix</i> (CT3) Tj ETQq1 1 0.784314 rgBT /Overl	5.3	22
56	Influence of hydrogen on the reductive dechlorination of tetrachloroethene (PCE) to ethene in a methanogenic biofilm reactor: role of mass transport phenomena. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1520-1529.	1.6	23
57	Enhanced anaerobic bioremediation of chlorinated solvents: environmental factors influencing microbial activity and their relevance under field conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1463-1474.	1.6	87
58	Storage of biodegradable polymers by an enriched microbial community in a sequencing batch reactor operated at high organic load rate. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1306-1318.	1.6	91
59	Modeling the Competitive Adsorption of Pb, Cu, Cd, and Ni onto a Natural Heterogeneous Sorbent Material (Italian "Red Soil"). <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 5032-5041.	1.8	42
60	Kinetic and phylogenetic characterization of an anaerobic dechlorinating microbial community. <i>Microbiology (United Kingdom)</i> , 2003, 149, 459-469.	0.7	40
61	Equilibrium Modeling of Lead Adsorption onto a "Red Soil" as a Function of the Liquid-Phase Composition. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 1946-1954.	1.8	13
62	Sequencing Batch Reactor: Influence of Periodic Operation on Performance of Activated Sludges in Biological Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 5110-5119.	1.8	67
63	Adsorption of Lead at Variable pH onto a Natural Porous Medium: Modeling of Batch and Column Experiments. <i>Environmental Science & Technology</i> , 1999, 33, 4457-4464.	4.6	37
64	Some physiological properties of an Italian isolate of "microthrix parvicella". <i>Water Science and Technology</i> , 1998, 37, 1-8.	1.2	20
65	EXPERIMENTAL INVESTIGATION OF TRANSPORT OF STRONGLY RETAINED SPECIES BY SOIL COLUMNS. <i>Water, Air, and Soil Pollution</i> , 1997, 95, 337-351.	1.1	0