

Maria Bernadete Amancio Varesche

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L-index

#	Paper	IF	Citations
173	Hydrogen production in an upflow anaerobic packed bed reactor used to treat cheese whey. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 54-62	6.7	132
172	Sulphate removal from industrial wastewater using a packed-bed anaerobic reactor. <i>Process Biochemistry</i> , 2002 , 37, 927-935	4.8	130
171	Development and Validation of Two Methods to Quantify Volatile Acids (C2-C6) by GC/FID: Headspace (Automatic and Manual) and Liquid-Liquid Extraction (LLE). <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 406-414	0.7	124
170	Hydrothermal processing of biomass for anaerobic digestion [A review]. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 98, 108-124	16.2	91
169	Formaldehyde degradation in an anaerobic packed-bed bioreactor. <i>Water Research</i> , 2004 , 38, 1685-94	12.5	84
168	Hydrogen production from soft-drink wastewater in an upflow anaerobic packed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8953-8966	6.7	76
167	Evaluation of support materials for the immobilization of sulfate-reducing bacteria and methanogenic archaea. <i>Anaerobe</i> , 2006 , 12, 93-8	2.8	75
166	Fermentative hydrogen production by microbial consortium. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4309-4317	6.7	70
165	Commercial Laundry Water Characterisation. <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 8-16	0.7	69
164	Hydrogen production from cheese whey with ethanol-type fermentation: effect of hydraulic retention time on the microbial community composition. <i>Bioresource Technology</i> , 2014 , 161, 10-19	11	67
163	Effect of biomass adaptation to the degradation of anionic surfactants in laundry wastewater using EGSB reactors. <i>Bioresource Technology</i> , 2014 , 154, 114-21	11	59
162	Influence of multiple substrates on anaerobic protein degradation in a packed-bed bioreactor. <i>Water Science and Technology</i> , 2003 , 48, 23-31	2.2	58
161	Sugarcane vinasse as substrate for fermentative hydrogen production: The effects of temperature and substrate concentration. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 6407-6418	6.7	56
160	Anaerobic degradation of linear alkylbenzene sulfonate (LAS) in fluidized bed reactor by microbial consortia in different support materials. <i>Bioresource Technology</i> , 2010 , 101, 5112-22	11	54
159	Potentially toxic metal contamination and microbial community analysis in an abandoned Pb and Zn mining waste deposit. <i>Science of the Total Environment</i> , 2019 , 675, 367-379	10.2	53
158	Organic loading rate impact on biohydrogen production and microbial communities at anaerobic fluidized thermophilic bed reactors treating sugarcane stillage. <i>Bioresource Technology</i> , 2014 , 159, 55-63 ¹¹		52
157	Microbial colonization of polyurethane foam matrices in horizontal-flow anaerobic immobilized-sludge reactor. <i>Applied Microbiology and Biotechnology</i> , 1997 , 48, 534-538	5.7	51

156	Evaluation of the microbial diversity in an UASB reactor treating wastewater from an unbleached pulp plant. <i>Process Biochemistry</i> , 2006 , 41, 168-176	4.8	50
155	Hydrogen production from diluted and raw sugarcane vinasse under thermophilic anaerobic conditions. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 9599-9610	6.7	49
154	Microbial characterization and degradation of linear alkylbenzene sulfonate in an anaerobic reactor treating wastewater containing soap powder. <i>Bioresource Technology</i> , 2014 , 167, 316-23	11	48
153	Continuous thermophilic hydrogen production and microbial community analysis from anaerobic digestion of diluted sugar cane stillage. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 9000-9011	6.7	45
152	Evaluation of hydrogen and methane production from sugarcane vinasse in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8498-8509	6.7	45
151	Microbial diversity and the implications of sulfide levels in an anaerobic reactor used to remove an anionic surfactant from laundry wastewater. <i>Bioresource Technology</i> , 2015 , 192, 37-45	11	44
150	Microbial characterization and removal of anionic surfactant in an expanded granular sludge bed reactor. <i>Bioresource Technology</i> , 2012 , 107, 103-9	11	43
149	Comparison of Methanol, Ethanol, and Methane as Electron Donors for Denitrification. <i>Environmental Engineering Science</i> , 2004 , 21, 313-320	2	42
148	Effect of inoculum concentration, pH, light intensity and lighting regime on hydrogen production by phototrophic microbial consortium. <i>Renewable Energy</i> , 2015 , 75, 1-7	8.1	41
147	Performance evaluation and phylogenetic characterization of anaerobic fluidized bed reactors using ground tire and pet as support materials for biohydrogen production. <i>Bioresource Technology</i> , 2011 , 102, 3840-7	11	41
146	Fermentative hydrogen production with xylose by Clostridium and Klebsiella species in anaerobic batch reactors. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 13508-13517	6.7	40
145	Performance and molecular evaluation of an anaerobic system with suspended biomass for treating wastewater with high fat content after enzymatic hydrolysis. <i>Bioresource Technology</i> , 2009 , 100, 6170-6	11	40
144	Anaerobic co-digestion of commercial laundry wastewater and domestic sewage in a pilot-scale EGSB reactor: The influence of surfactant concentration on microbial diversity. <i>International Biodeterioration and Biodegradation</i> , 2018 , 127, 77-86	4.8	39
143	Metagenomic analysis of the microbiome in three different bioreactor configurations applied to commercial laundry wastewater treatment. <i>Science of the Total Environment</i> , 2017 , 587-588, 389-398	10.2	38
142	Thermophilic hydrogen production from sugarcane bagasse pretreated by steam explosion and alkaline delignification. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6296-6306	6.7	38
141	Development of a method by HPLC to determine LAS and its application in anaerobic reactors. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1360-1367	1.5	37
140	Biohydrogen production from dairy industry wastewater in an anaerobic fluidized-bed reactor. <i>Biomass and Bioenergy</i> , 2019 , 120, 257-264	5.3	37
139	Hydrogen production and consumption of organic acids by a phototrophic microbial consortium. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11691-11700	6.7	36

138	Continuous thermophilic hydrogen production from cheese whey powder solution in an anaerobic fluidized bed reactor: Effect of hydraulic retention time and initial substrate concentration. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4848-4860	6.7	35
137	Optimization of linear alkylbenzene sulfonate (LAS) degradation in UASB reactors by varying bioavailability of LAS, hydraulic retention time and specific organic load rate. <i>Bioresource Technology</i> , 2013 , 128, 125-33	11	35
136	The effect of biomass immobilization support material and bed porosity on hydrogen production in an upflow anaerobic packed-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1348-66	3.2	35
135	Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 155-163	6.7	35
134	Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk, and processing wastewater) by applying autochthonous microorganisms. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 21434-21450	6.7	34
133	Analysis of a microbial community associated with polychlorinated biphenyl degradation in anaerobic batch reactors. <i>Biodegradation</i> , 2014 , 25, 797-810	4.1	34
132	Performance and composition of bacterial communities in anaerobic fluidized bed reactors for hydrogen production: Effects of organic loading rate and alkalinity. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16925-16934	6.7	34
131	Evaluation of the microbial diversity in a horizontal-flow anaerobic immobilized biomass reactor treating linear alkylbenzene sulfonate. <i>Biodegradation</i> , 2008 , 19, 375-85	4.1	34
130	Evaluation of the microbial community of upflow anaerobic sludge blanket reactors used for the removal and degradation of linear alkylbenzene sulfonate by pyrosequencing. <i>International Biodeterioration and Biodegradation</i> , 2014 , 96, 63-70	4.8	33
129	Microbial diversity of hydrogen-producing bacteria in batch reactors fed with cellulose using leachate as inoculum. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 9707-9717	6.7	33
128	Effects of hydraulic retention time, co-substrate and nitrogen source on laundry wastewater anionic surfactant degradation in fluidized bed reactors. <i>Bioresource Technology</i> , 2017 , 224, 246-254	11	32
127	Application of molecular techniques to evaluate the methanogenic archaea and anaerobic bacteria in the presence of oxygen with different COD:sulfate ratios in a UASB reactor. <i>Anaerobe</i> , 2008 , 14, 209-13	2.8	32
126	Degradation of high concentrations of nonionic surfactant (linear alcohol ethoxylate) in an anaerobic fluidized bed reactor. <i>Science of the Total Environment</i> , 2014 , 481, 121-8	10.2	31
125	Phenol degradation in horizontal-flow anaerobic immobilized biomass (HAIB) reactor under mesophilic conditions. <i>Water Science and Technology</i> , 2001 , 44, 167-174	2.2	31
124	Characterization and antimicrobial activity of lactic acid bacteria from fermentative bioreactors during hydrogen production using cassava processing wastewater. <i>Chemical Engineering Journal</i> , 2016 , 284, 1-9	14.7	30
123	Optimization of hydrogen and organic acids productions with autochthonous and allochthonous bacteria from sugarcane bagasse in batch reactors. <i>Journal of Environmental Management</i> , 2018 , 223, 952-963	7.9	30
122	Hydrogen bioproduction with <i>Enterobacter</i> sp. isolated from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 152-160	6.7	28
121	Microbial diversity of a full-scale UASB reactor applied to poultry slaughterhouse wastewater treatment: integration of 16S rRNA gene amplicon and shotgun metagenomic sequencing. <i>MicrobiologyOpen</i> , 2017 , 6, e00443	3.4	28

120	Treatment of linear alkylbenzene sulfonate in a horizontal anaerobic immobilized biomass reactor. <i>Bioresource Technology</i> , 2010 , 101, 606-12	11	28
119	Sequential fermentative and phototrophic system for hydrogen production: An approach for Brazilian alcohol distillery wastewater. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 9642-9655	6.7	27
118	The comparative advantages of ethanol and sucrose as co-substrates in the degradation of an anionic surfactant: microbial community selection. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1835-1844	3.7	26
117	Role of homo-and heterofermentative lactic acid bacteria on hydrogen-producing reactors operated with cheese whey wastewater. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8650-8660	6.7	25
116	Effect of a probiotic beverage consumption (Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707) in rats with chemically induced colitis. <i>PLoS ONE</i> , 2017 , 12, e0175935	3.7	25
115	Bacterial diversity from environmental sample applied to bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3180-3190	6.7	25
114	Influence of support material on the immobilization of biomass for the degradation of linear alkylbenzene sulfonate in anaerobic reactors. <i>Journal of Environmental Management</i> , 2009 , 90, 1261-8	7.9	25
113	Evaluation of bacterial community from anaerobic fluidized bed reactor for the removal of linear alkylbenzene sulfonate from laundry wastewater by 454-pyrosequence. <i>Ecological Engineering</i> , 2015 , 82, 231-240	3.9	24
112	Ethanol and toluene removal in a horizontal-flow anaerobic immobilized biomass reactor in the presence of sulfate. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 244-53	4.9	24
111	Comparative metatranscriptomic analysis of anaerobic digesters treating anionic surfactant contaminated wastewater. <i>Science of the Total Environment</i> , 2019 , 649, 482-494	10.2	24
110	Bacillus sp. isolated from banana waste and analysis of metabolic pathways in acidogenic systems in hydrogen production. <i>Journal of Environmental Management</i> , 2019 , 247, 178-186	7.9	23
109	BTEX and ethanol removal in horizontal-flow anaerobic immobilized biomass reactor, under denitrifying condition. <i>Process Biochemistry</i> , 2006 , 41, 1391-1400	4.8	23
108	Bioconversion of crude glycerol from waste cooking oils into hydrogen by sub-tropical mixed and pure cultures. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 144-154	6.7	23
107	Metabolic routes involved in the removal of linear alkylbenzene sulfonate (LAS) employing linear alcohol ethoxylated and ethanol as co-substrates in enlarged scale fluidized bed reactor. <i>Science of the Total Environment</i> , 2018 , 640-641, 1411-1423	10.2	22
106	Degradation of detergent (linear alkylbenzene sulfonate) in an anaerobic stirred sequencing-batch reactor containing granular biomass. <i>International Biodeterioration and Biodegradation</i> , 2010 , 64, 129-134	4.8	22
105	Production of H ₂ from cellulose by rumen microorganisms: effects of inocula pre-treatment and enzymatic hydrolysis. <i>Biotechnology Letters</i> , 2014 , 36, 537-46	3	21
104	Evaluation of thermophilic anaerobic microbial consortia using fluorescence in situ hybridization (FISH). <i>Water Science and Technology</i> , 2002 , 45, 27-33	2.2	21
103	Scale-up evaluation of anaerobic degradation of linear alkylbenzene sulfonate from sanitary sewage in expanded granular sludge bed reactor. <i>International Biodeterioration and Biodegradation</i> , 2019 , 138, 23-32	4.8	21

102	Performance of a reactor containing denitrifying immobilized biomass in removing ethanol and aromatic hydrocarbons (BTEX) in a short operating period. <i>Journal of Hazardous Materials</i> , 2007 , 139, 301-9	12.8	20
101	Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse. <i>Biomass and Bioenergy</i> , 2018 , 117, 78-85	5.3	19
100	Influence of alkaline peroxide assisted and hydrothermal pretreatment on biodegradability and bio-hydrogen formation from citrus peel waste. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 22888-22903	6.7	19
99	Methanogenic potential of an anaerobic sludge in the presence of anionic and nonionic surfactants. <i>International Biodeterioration and Biodegradation</i> , 2014 , 96, 198-204	4.8	19
98	Influence of the carbon source on the anaerobic biomass adhesion on polyurethane foam matrices. <i>Journal of Environmental Management</i> , 2005 , 74, 187-94	7.9	19
97	Evaluation of anionic surfactant removal by anaerobic degradation of commercial laundry wastewater and domestic sewage. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 988-996	2.6	19
96	Bacterial communities in thermophilic H ₂ -producing reactors investigated using 16S rRNA 454 pyrosequencing. <i>Microbiological Research</i> , 2015 , 173, 10-7	5.3	18
95	HRT control as a strategy to enhance continuous hydrogen production from sugarcane juice under mesophilic and thermophilic conditions in AFBRs. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 19719-19729	6.7	18
94	The effects of seed sludge and hydraulic retention time on the production of hydrogen from a cassava processing wastewater and glucose mixture in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13118-13127	6.7	18
93	Anaerobic degradation of BTEX in a packed-bed reactor. <i>Water Science and Technology</i> , 2002 , 45, 175-180	2	18
92	Selection of metabolic pathways for continuous hydrogen production under thermophilic and mesophilic temperature conditions in anaerobic fluidized bed reactors. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18908-18917	6.7	18
91	Optimization of key factors affecting hydrogen production from coffee waste using factorial design and metagenomic analysis of the microbial community. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 4205-4222	6.7	17
90	Bacterial and archaeal community structure involved in biofuels production using hydrothermal- and enzymatic-pretreated sugarcane bagasse for an improvement in hydrogen and methane production. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2644-2660	5.8	17
89	Evaluation of the microbial diversity of denitrifying bacteria in batch reactor. <i>Brazilian Journal of Chemical Engineering</i> , 2013 , 30, 457-465	1.7	16
88	Laundry wastewater and domestic sewage pilot-scale anaerobic treatment: Microbial community resilience regarding sulfide production. <i>Journal of Environmental Management</i> , 2019 , 251, 109495	7.9	15
87	Methanogenic potential of diclofenac and ibuprofen in sanitary sewage using metabolic cosubstrates. <i>Science of the Total Environment</i> , 2020 , 742, 140530	10.2	15
86	Soil contamination assessment for Pb, Zn and Cd in a slag disposal area using the integration of geochemical and microbiological data. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 698	3.1	15
85	Influence of C/P and C/N ratios and microbial characterization in hydrogen and ethanol production in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9600-9610	6.7	14

84	Design and optimization of hydrogen production from hydrothermally pretreated sugarcane bagasse using response surface methodology. <i>Water Science and Technology</i> , 2017 , 76, 95-105	2.2	14
83	Biotechnological products in batch reactors obtained from cellulose, glucose and xylose using thermophilic anaerobic consortium. <i>Renewable Energy</i> , 2018 , 125, 537-545	8.1	14
82	Experimental design and syntrophic microbial pathways for biofuel production from sugarcane bagasse under thermophilic condition. <i>Renewable Energy</i> , 2019 , 140, 852-861	8.1	13
81	Kinetic modeling and microbial assessment by fluorescent in situ hybridization in anaerobic sequencing batch biofilm reactors treating sulfate-rich wastewater. <i>Brazilian Journal of Chemical Engineering</i> , 2011 , 28, 209-219	1.7	13
80	Metagenomic analysis of autochthonous microbial biomass from banana waste: Screening design of factors that affect hydrogen production. <i>Biomass and Bioenergy</i> , 2020 , 138, 105573	5.3	13
79	Bioconversion of Sugarcane Bagasse into Value-Added Products by Bioaugmentation of Endogenous Cellulolytic and Fermentative Communities. <i>Waste and Biomass Valorization</i> , 2019 , 10, 1899-1912	3.2	13
78	Simultaneous determination of anionic and nonionic surfactants in commercial laundry wastewater and anaerobic fluidized bed reactor effluent by online column-switching liquid chromatography/tandem mass spectrometry. <i>Science of the Total Environment</i> , 2017 , 580, 1120-1128	10.2	12
77	Evaluation of anionic surfactant removal in anaerobic reactor with Fe(III) supplementation. <i>Journal of Environmental Management</i> , 2016 , 183, 687-693	7.9	12
76	Phenol degradation in an anaerobic fluidized bed reactor packed with low density support materials. <i>Brazilian Journal of Chemical Engineering</i> , 2012 , 29, 87-98	1.7	12
75	The Biological Hydrogen Production Potential of Agroindustrial Residues. <i>Waste and Biomass Valorization</i> , 2015 , 6, 273-280	3.2	11
74	Bioconversion of waste office paper to hydrogen using pretreated rumen fluid inoculum. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 1887-1897	3.7	11
73	Kinetics of methane production and biodegradation of linear alkylbenzene sulfonate from laundry wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 1288-1302	2.3	11
72	Las degradation in a fluidized bed reactor and phylogenetic characterization of the biofilm. <i>Brazilian Journal of Chemical Engineering</i> , 2013 , 30, 521-529	1.7	11
71	Influence of co-substrates in the anaerobic degradation of an anionic surfactant. <i>Brazilian Journal of Chemical Engineering</i> , 2013 , 30, 499-506	1.7	11
70	Application of horizontal-flow anaerobic immobilized biomass reactor for bioremediation of acid mine drainage. <i>Journal of Water and Health</i> , 2016 , 14, 399-410	2.2	11
69	Anaerobic degradation of linear alkylbenzene sulfonate in fluidized bed reactor. <i>Brazilian Journal of Chemical Engineering</i> , 2010 , 27, 539-543	1.7	10
68	Controlling methane and hydrogen production from cheese whey in an EGSB reactor by changing the HRT. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 673-684	3.7	10
67	Methane Production from Hydrogen Peroxide Assisted Hydrothermal Pretreatment of Solid Fraction Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2020 , 11, 31-50	3.2	10

66	Improving the hydrogen production from coffee waste through hydrothermal pretreatment, co-digestion and microbial consortium bioaugmentation. <i>Biomass and Bioenergy</i> , 2020 , 137, 105551	5.3	9
65	Influence of volatile fatty acid concentration stability on anaerobic degradation of linear alkylbenzene sulfonate. <i>Journal of Environmental Management</i> , 2013 , 128, 169-72	7.9	9
64	Denitrification coupled with methane anoxic oxidation and microbial community involved identification. <i>Brazilian Archives of Biology and Technology</i> , 2011 , 54, 173-182	1.8	9
63	Biohydrogen production in an integrated biosystem using crude glycerol from waste cooking oils. <i>Renewable Energy</i> , 2020 , 162, 701-711	8.1	9
62	4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor. <i>Journal of Environmental Management</i> , 2020 , 267, 110575	7.9	8
61	Anaerobic reactor applied to laundry wastewater treatment: Unveiling the microbial community by gene and genome-centric approaches. <i>International Biodeterioration and Biodegradation</i> , 2020 , 149, 104916	4.8	8
60	The influence of upflow velocity and hydraulic retention time changes on taxonomic and functional characterization in Fluidized Bed Reactor treating commercial laundry wastewater in co-digestion with domestic sewage. <i>Biodegradation</i> , 2020 , 31, 73-89	4.1	8
59	Robustness and Microbial Diversity of a Fluidized Bed Reactor Employed for the Removal and Degradation of an Anionic Surfactant from Laundry Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04017062	2	8
58	Microbial community analyses by high-throughput sequencing of rumen microorganisms fermenting office paper in mesophilic and thermophilic lysimeters. <i>Chemical Engineering Research and Design</i> , 2020 , 136, 182-193	5.5	8
57	Effect of 2-bromoethanesulfonate on anaerobic consortium to enhance hydrogen production utilizing sugarcane bagasse. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22812-22823	6.7	8
56	Hydrogen Production by <i>Clostridium cellulolyticum</i> a Cellulolytic and Hydrogen-Producing Bacteria Using Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2019 , 10, 827-837	3.2	8
55	Influence of Sucrose on the Diversity of Bacteria Involved in Nonionic Surfactant Degradation in Fluidized Bed Reactor. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	7
54	The effect of enzymatic pre-hydrolysis of dairy wastewater on the granular and immobilized microbial community in anaerobic bioreactors. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 417-28	2.6	7
53	Influence of Extracellular Polymeric Substances on Anaerobic Biofilms Supported by Polyurethane Foam Matrices. <i>Environmental Engineering Science</i> , 2003 , 20, 249-255	2	7
52	Enzymatic routes to hydrogen and organic acids production from banana waste fermentation by autochthonous bacteria: Optimization of pH and temperature. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 8454-8468	6.7	7
51	Isolation of <i>Paraclostridium</i> CR4 from sugarcane bagasse and its evaluation in the bioconversion of lignocellulosic feedstock into hydrogen by monitoring cellulase gene expression. <i>Science of the Total Environment</i> , 2020 , 715, 136868	10.2	6
50	Morphological observation and microbial population dynamics in anaerobic polyurethane foam biofilm degrading gelatin. <i>Brazilian Journal of Chemical Engineering</i> , 2002 , 19, 287-292	1.7	6
49	Anaerobic digestion of aqueous phase from hydrothermal liquefaction of <i>Spirulina</i> using biostimulated sludge. <i>Bioresource Technology</i> , 2020 , 312, 123552	11	6

48	Identification of Anionic and Nonionic Surfactant and Recalcitrants Compounds in Commercial Laundry Wastewater by GC-MS Analysis After Anaerobic Fluidized Bed Reactor Treatment. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	6
47	Screening design of nutritional and physicochemical parameters on bio-hydrogen and volatile fatty acids production from Citrus Peel Waste in batch reactors. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7794-7809	6.7	6
46	Dynamics and response of microbial diversity to nutritional conditions in denitrifying bioreactor for linear alkylbenzene sulfonate removal. <i>Journal of Environmental Management</i> , 2020 , 263, 110387	7.9	5
45	Influence of cosubstrates for linear anionic sulfonated alkylbenzene degradation and methane production in anaerobic batch reactors. <i>Chemical Engineering Research and Design</i> , 2020 , 139, 60-68	5.5	5
44	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. <i>Current Microbiology</i> , 2018 , 75, 666-676	2.4	5
43	Anaerobic Degradation of Protein: Simplified Kinetic Modelling and Microbial Dynamics. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	5
42	Methanogenic potential and microbial community of anaerobic batch reactors at different ethylamine/sulfate ratios. <i>Brazilian Journal of Chemical Engineering</i> , 2011 , 28, 1-8	1.7	5
41	INFLUENCE OF HYDRAULIC RETENTION TIME ON HYDROGEN PRODUCTION BY TREATING CHEESE WHEY WASTEWATER IN ANAEROBIC FLUIDIZED BED BIOREACTOR - AN APPROACH FOR DEVELOPING COUNTRIES. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 1109-1117	1.7	5
40	Biodegradation of linear alkylbenzene sulfonate in commercial laundry wastewater by an anaerobic fluidized bed reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 946-57	2.3	5
39	Bioconversion of pretreated sugarcane vinasse into hydrogen: new perspectives to solve one of the greatest issues of the sugarcane biorefinery. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	5
38	Screening and Bioprospecting of Anaerobic Consortia for Biofuel Production Enhancement from Sugarcane Bagasse. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 232-251	3.2	5
37	Homoacetogenesis: New insights into controlling this unsolved challenge by selecting the optimal C/N ratio, C/P ratio and hydraulic retention time. <i>Chemical Engineering Research and Design</i> , 2021 , 145, 273-284	5.5	5
36	Bioremoval of Surfactant from Laundry Wastewater in Optimized Condition by Anoxic Reactors. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	4
35	Influence of linear alkylbenzene sulfonate and ethanol on the degradation kinetics of domestic sewage in co-digestion with commercial laundry wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 1547-1558	3.7	4
34	Anaerobic Toxicity Assay of Polychlorinated Biphenyl: Focus on Fermentative-Methanogenic Community. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	4
33	Anaerobic degradation of anionic surfactants by indigenous microorganisms from sediments of a tropical polluted river in Brazil. <i>Revista De Biologia Tropical</i> , 2015 , 63, 295-302	1.3	4
32	Statistical optimization of methane production from brewery spent grain: Interaction effects of temperature and substrate concentration. <i>Journal of Environmental Management</i> , 2021 , 288, 112363	7.9	4
31	Diversity of anaerobic bacteria in sediments from a subtropical reservoir. <i>Lakes and Reservoirs: Research and Management</i> , 2016 , 21, 351-361	1.2	4

30	Influence of metabolic cosubstrates on methanogenic potential and degradation of triclosan and propranolol in sanitary sewage. <i>Environmental Research</i> , 2021 , 199, 111220	7.9	4
29	Phylogenetic characterization and quantification by Most Probable Number of the microbial communities of biomass from the Upflow Anaerobic Sludge Blanket Reactor under sulfidogenic conditions. <i>Acta Scientiarum - Technology</i> , 2019 , 41, 39128	0.5	3
28	Evaluation of the microbial diversity in sequencing batch reactor treating linear alkylbenzene sulfonate under denitrifying and mesophilic conditions using swine sludge as inoculum. <i>Brazilian Archives of Biology and Technology</i> , 2015 , 58, 326-332	1.8	3
27	Obtaining and Characterization of Mesophilic Bacterial Consortia from Tropical Sludges Applied on Biohydrogen Production. <i>Waste and Biomass Valorization</i> , 2019 , 10, 1493-1502	3.2	3
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22	Evaluation of microorganisms with sulfidogenic metabolic potential under anaerobic conditions. <i>Brazilian Archives of Biology and Technology</i> , 2012 , 55, 779-784	1.8	2
21	Orange Bagasse Pellets as a Carbon Source for Biobutanol Production. <i>Current Microbiology</i> , 2020 , 77, 4053-4062	2.4	2
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19	Bioaugmentation with <i>Enterococcus casseliflavus</i> : A Hydrogen-Producing Strain Isolated from Citrus Peel Waste. <i>Waste and Biomass Valorization</i> , 2021 , 12, 895-911	3.2	2
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1	The Deconstruction of the Lignocellulolytic Structure of Sugarcane Bagasse by Laccases Improves the Production of H and Organic Acids.. <i>Applied Biochemistry and Biotechnology</i> , 2022 , 1	3.2	0