

Maria Bernadete Amancio Varesche

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173
papers

3,866
citations

35
h-index

50
g-index

183
ext. papers

4,518
ext. citations

5.3
avg, IF

5.82
L-index

#	Paper	IF	Citations
173	Influence of ethanol and nitrate on ibuprofen removal in batch reactors under denitrifying conditions. <i>Chemical Engineering Research and Design</i> , 2022 , 160, 297-309	5.5	2
172	Microbial and functional characterization of granulated sludge from full-scale UASB thermophilic reactor applied to sugarcane vinasse treatment.. <i>Environmental Technology (United Kingdom)</i> , 2022 , 1-42 ^{2.6}	2.6	0
171	Expanded granular sludge bed reactor technology feasibility for removal of nonylphenol ethoxylate in co-digestion of domestic sewage and commercial laundry wastewater: Taxonomic characterization and biogas production. <i>Chemical Engineering Research and Design</i> , 2022 , 161, 556-570	5.5	0
170	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
169	Potential methanogenic and degradation of nonylphenol ethoxylate from domestic sewage: unraveling the essential roles of nutritional conditions and microbial community.. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-28	2.6	1
168	New Insights into Controlling Homoacetogenesis in the Co-digestion of Coffee Waste: Effect of Operational Conditions and Characterization of Microbial Communities. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 1	3.2	1
167	Metataxonomic characterization of bacterial and archaeal community involved in hydrogen and methane production from citrus peel waste (<i>Citrus sinensis</i> L. Osbeck) in batch reactors. <i>Biomass and Bioenergy</i> , 2021 , 149, 106091	5.3	1
166	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
165	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
164	Metals addition for enhanced hydrogen, acetic and butyric acids production from cellulosic substrates by <i>Clostridium butyricum</i> . <i>Biomass and Bioenergy</i> , 2021 , 150, 105679	5.3	2
163	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
162	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
161	Dissecting the role of heterogeneity and hydrothermal pretreatment of sugarcane bagasse in metabolic pathways for biofuels production. <i>Industrial Crops and Products</i> , 2021 , 160, 113120	5.9	1
160	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
159	Continuous Anaerobic Treatment of the Aqueous Phase of Hydrothermal Liquefaction from <i>Spirulina</i> Using a Horizontal-Flow Anaerobic Immobilized Biomass (HAIB) Reactor. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	1
158	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
157	Microbial and functional characterization of an allochthonous consortium applied to hydrogen production from Citrus Peel Waste in batch reactor in optimized conditions. <i>Journal of Environmental Management</i> , 2021 , 291, 112631	7.9	3

156	Influence of cosubstrate and hydraulic retention time on the removal of drugs and hygiene products in sanitary sewage in an anaerobic Expanded Granular Sludge Bed reactor. <i>Journal of Environmental Management</i> , 2021 , 299, 113532	7.9	1
155	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
154	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
153	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
152	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
151	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
150	Isolation of Paraclostridium 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
149	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
148	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
147	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
146	Anaerobic digestion of aqueous phase from hydrothermal liquefaction of Spirulina using biostimulated sludge. <i>Bioresource Technology</i> , 2020 , 312, 123552	11	6
145	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
144	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
143	Orange Bagasse Pellets as a Carbon Source for Biobutanol Production. <i>Current Microbiology</i> , 2020 , 77, 4053-4062	2.4	2
142	Biohydrogen production in an integrated biosystem using crude glycerol from waste cooking oils. <i>Renewable Energy</i> , 2020 , 162, 701-711	8.1	9
141	Microbial structure and diversity in non-sanitary landfills and association with physicochemical parameters. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 40690-40705	5.1	1
140	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
139	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

138	The use of non-adapted anaerobic consortium in batch reactors enable to couple polychlorinated biphenyl degradation and community adaptation. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 1766-1779	2.6	2
137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	Biohydrogen production from dairy industry wastewater in an anaerobic fluidized-bed reactor. <i>Biomass and Bioenergy</i> , 2019 , 120, 257-264	5.3	37
121	Hydrogen Production by Clostridium cellulolyticum a Cellulolytic and Hydrogen-Producing Bacteria Using Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2019 , 10, 827-837	3.2	8

120	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
119	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
118	Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 155-163	6.7	35
117	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	13	13
116	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
115	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
114	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. <i>Current Microbiology</i> , 2018 , 75, 666-676	2.4	5
113	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
112	Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse. <i>Biomass and Bioenergy</i> , 2018 , 117, 78-85	5.3	19
111	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
110	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
109	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
108	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
107	Hydrothermal processing of biomass for anaerobic digestion [A review]. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 98, 108-124	16.2	91
106	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
105	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
104	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
103	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

102	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
101	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
100	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
99	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
98	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
97	The Influence of Stirring Speed, Temperature and Initial Nitrogen Concentration on Specific Anammox Activity. <i>Brazilian Archives of Biology and Technology</i> , 2017 , 60,	1.8	1
96	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
95	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
94	Effect of a probiotic beverage consumption (<i>Enterococcus faecium</i> CRL 183 and <i>Bifidobacterium longum</i> ATCC 15707) in rats with chemically induced colitis. <i>PLoS ONE</i> , 2017 , 12, e0175935	3.7	25
93	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
92	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
91	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
90	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
89	Anaerobic Toxicity Assay of Polychlorinated Biphenyl: Focus on Fermentative-Methanogenic Community. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	4
88	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
87	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
86	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
85	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

84	The Biological Hydrogen Production Potential of Agroindustrial Residues. <i>Waste and Biomass Valorization</i> , 2015 , 6, 273-280	3.2	11
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	Bacterial diversity from environmental sample applied to bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3180-3190	6.7	25
72	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
71	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
70	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
69	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
68	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
67	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	11	52

66	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
65	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
64	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
63	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
62	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
61	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
60	Analysis of a microbial community associated with polychlorinated biphenyl degradation in anaerobic batch reactors. <i>Biodegradation</i> , 2014 , 25, 797-810	4.1	34
59	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
58	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
57	Commercial Laundry Water Characterisation. <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 8-16	0.7	69
56	Feeding Strategies for Enrichment and Characterization of Anammox Biomass in a Sequencing Batch Reactor. <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 891-900	0.7	1
55	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
54	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
53	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
52	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
51	Anaerobic Degradation of Protein: Simplified Kinetic Modelling and Microbial Dynamics. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	5
50	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
49	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

48	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
47	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
46	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
45	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
44	Microbial characterization and removal of anionic surfactant in an expanded granular sludge bed reactor. <i>Bioresource Technology</i> , 2012 , 107, 103-9	11	43
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	Fermentative hydrogen production with xylose by <i>Clostridium</i> and <i>Klebsiella</i> species in anaerobic batch reactors. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 13508-13517	6.7	40
35	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
34	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
33	Anaerobic degradation of linear alkylbenzene sulfonate in fluidized bed reactor. <i>Brazilian Journal of Chemical Engineering</i> , 2010 , 27, 539-543	1.7	10
32	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
31	Treatment of linear alkylbenzene sulfonate in a horizontal anaerobic immobilized biomass reactor. <i>Bioresource Technology</i> , 2010 , 101, 606-12	11	28

30	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
29	Evaluation of the anaerobic degradation of black liquor from a Kraft pulp plant with addition of organic co-substrates. <i>Water Science and Technology</i> , 2009 , 60, 267-72	2.2	2
28	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
27	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
26	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, 209-18	2.8	32
25	Fermentative hydrogen production by microbial consortium. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4309-4317	6.7	70
24	Development and validation of a HPLC method for the determination of aldicarb, aldicarb sulfoxide and aldicarb sulfone in liquid samples from anaerobic reactors. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1158-1164	1.5	2
23	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
22	Remoção de etanol e benzeno em reator anaeróbio horizontal de leito fixo na presença de sulfato. <i>Engenharia Sanitaria E Ambiental</i> , 2007 , 12, 181-191	0.4	2
21	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
20	Evaluation of support materials for the immobilization of sulfate-reducing bacteria and methanogenic archaea. <i>Anaerobe</i> , 2006 , 12, 93-8	2.8	75
19	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
18	Tratamento de esgoto sanitário utilizando reatores anaeróbios operados em bateladas sequenciais (escala piloto). <i>Engenharia Sanitaria E Ambiental</i> , 2006 , 11, 73-82	0.4	1
17	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
16	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
15	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
14	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
13	Comparison of Methanol, Ethanol, and Methane as Electron Donors for Denitrification. <i>Environmental Engineering Science</i> , 2004 , 21, 313-320	2	42

12	Formaldehyde degradation in an anaerobic packed-bed bioreactor. <i>Water Research</i> , 2004 , 38, 1685-94	12.5	84
11	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
10	Influence of Extracellular Polymeric Substances on Anaerobic Biofilms Supported by Polyurethane Foam Matrices. <i>Environmental Engineering Science</i> , 2003 , 20, 249-255	2	7
9	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
8	Anaerobic degradation of BTEX in a packed-bed reactor. <i>Water Science and Technology</i> , 2002 , 45, 175-180.	2	18
7	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
6	Sulphate removal from industrial wastewater using a packed-bed anaerobic reactor. <i>Process Biochemistry</i> , 2002 , 37, 927-935	4.8	130
5	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
4	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
3	Optimization of Key Factors Affecting Hydrogen and Ethanol Production from Xylose by <i>Thermoanaerobacterium calidifontis</i> VCS1 Isolated from Vinasse Treatment Sludge. <i>Waste and Biomass Valorization</i> , 1	3.2	0
2	Bioprospecting Sulfuric Acid Assisted Hydrothermal Pretreatment of Sugarcane Bagasse and Microbial Community Structure for Methane Production. <i>Bioenergy Research</i> , 1	3.1	0
1	Methane Production Using Brewery Spent Grain: Optimal Hydrothermolysis, Fermentation of Waste and Role of Microbial Populations. <i>Waste and Biomass Valorization</i> , 1	3.2	1