

Maria Bernadete Amancio Varesche

List of Publications by Year in descending order

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182
papers

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#	ARTICLE	IF	CITATIONS
1	Potential methanogenic and degradation of nonylphenol ethoxylate from domestic sewage: unravelling the essential roles of nutritional conditions and microbial community. <i>Environmental Technology</i> (United Kingdom), 2023, 44, 1996-2010.	2.2	2
2	Microbial and functional characterization of granulated sludge from full-scale UASB thermophilic reactor applied to sugarcane vinasse treatment. <i>Environmental Technology</i> (United Kingdom), 2023, 44, 3141-3160.	2.2	3
3	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> , 2022, 12, 5527-5541.	4.6	10
4	Methane Production Using Brewery Spent Grain: Optimal Hydrothermolysis, Fermentation of Waste and Role of Microbial Populations. <i>Waste and Biomass Valorization</i> , 2022, 13, 1179-1194.	3.4	6
5	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> , 2022, 13, 1897-1912.	3.4	4
6	Producing hydrogen from the fermentation of cheese whey and glycerol as cosubstrates in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14243-14256.	7.1	8
7	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.	5.6	5
8	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.	5.6	2
9	The Deconstruction of the Lignocellulolytic Structure of Sugarcane Bagasse by Laccases Improves the Production of H ₂ and Organic Acids. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 3145-3166.	2.9	7
10	Assessment of the aerobic and anaerobic biodegradation of contaminants of emerging concern in sludge using batch reactors. <i>Environmental Science and Pollution Research</i> , 2022, 29, 84946-84961.	5.3	3
11	Biodegradation of diclofenac and ibuprofen in Fluidized Bed Reactor applied to sanitary sewage treatment in acidogenic and denitrifying conditions. <i>Journal of Water Process Engineering</i> , 2022, 49, 102964.	5.6	5
12	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.	3.4	7
13	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.	5.7	6
14	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.	7.1	12
15	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.	5.6	12
16	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.	5.2	9
17	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.	7.1	21
18	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.	2.4	3

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19	Editorial: Meta-omic Approaches to the Complex Anaerobic Communities in Wastewater Treatment Plants and Digesters. <i>Frontiers in Microbiology</i> , 2021, 12, 664716.	3.5	0
20	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.	5.7	13
21	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.	7.8	17
22	Influence of metabolic cosubstrates on methanogenic potential and degradation of triclosan and propranolol in sanitary sewage. <i>Environmental Research</i> , 2021, 199, 111220.	7.5	9
23	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.	7.8	12
24	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.	7.8	10
25	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.	2.9	2
26	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.	2.2	3
27	Methane Production from Hydrogen Peroxide Assisted Hydrothermal Pretreatment of Solid Fraction Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2020, 11, 31-50.	3.4	20
28	Screening and Bioprospecting of Anaerobic Consortia for Biofuel Production Enhancement from Sugarcane Bagasse. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 232-251.	2.9	9
29	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.	3.4	22
30	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.	7.1	34
31	Orange Bagasse Pellets as a Carbon Source for Biobutanol Production. <i>Current Microbiology</i> , 2020, 77, 4053-4062.	2.2	4
32	Biohydrogen production in an integrated biosystem using crude glycerol from waste cooking oils. <i>Renewable Energy</i> , 2020, 162, 701-711.	8.9	22
33	Microbial structure and diversity in non-sanitary landfills and association with physicochemical parameters. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40690-40705.	5.3	9
34	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.	5.6	17
35	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.	7.8	9
36	Improving the hydrogen production from coffee waste through hydrothermal pretreatment, co-digestion and microbial consortium bioaugmentation. <i>Biomass and Bioenergy</i> , 2020, 137, 105551.	5.7	19

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37	4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor. Journal of Environmental Management, 2020, 267, 110575.	7.8	11
38	Methanogenic potential of diclofenac and ibuprofen in sanitary sewage using metabolic cosubstrates. Science of the Total Environment, 2020, 742, 140530.	8.0	25
39	Anaerobic reactor applied to laundry wastewater treatment: Unveiling the microbial community by gene and genome-centric approaches. International Biodeterioration and Biodegradation, 2020, 149, 104916.	3.9	15
40	Isolation of Paraclostridium CR4 from sugarcane bagasse and its evaluation in the bioconversion of lignocellulosic feedstock into hydrogen by monitoring cellulase gene expression. Science of the Total Environment, 2020, 715, 136868.	8.0	9
41	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. Biodegradation, 2020, 31, 73-89.	3.0	12
42	Influence of cosubstrates for linear anionic sulfonated alkylbenzene degradation and methane production in anaerobic batch reactors. Chemical Engineering Research and Design, 2020, 139, 60-68.	5.6	7
43	Metagenomic analysis of autochthonous microbial biomass from banana waste: Screening design of factors that affect hydrogen production. Biomass and Bioenergy, 2020, 138, 105573.	5.7	24
44	Anaerobic digestion of aqueous phase from hydrothermal liquefaction of Spirulina using biostimulated sludge. Bioresource Technology, 2020, 312, 123552.	9.6	12
45	LIMONENE QUANTIFICATION BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY (GC-MS) AND ITS EFFECTS ON HYDROGEN AND VOLATILE FATTY ACIDS PRODUCTION IN ANAEROBIC REACTORS. Quimica Nova, 2020, , .	0.3	4
46	HRT control as a strategy to enhance continuous hydrogen production from sugarcane juice under mesophilic and thermophilic conditions in AFBRs. International Journal of Hydrogen Energy, 2019, 44, 19719-19729.	7.1	32
47	Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk,) Tj ETQq1 1 0.784314 rgBT /Overl Hydrogen Energy, 2019, 44, 21434-21450.	7.1	50
48	Influence of alkaline peroxide assisted and hydrothermal pretreatment on biodegradability and bio-hydrogen formation from citrus peel waste. International Journal of Hydrogen Energy, 2019, 44, 22888-22903.	7.1	31
49	Bacillus sp. isolated from banana waste and analysis of metabolic pathways in acidogenic systems in hydrogen production. Journal of Environmental Management, 2019, 247, 178-186.	7.8	32
50	Phylogenetic characterization and quantification by Most Probable Number of the microbial communities of biomass from the Upflow Anaerobic Sludge Blanket Reactor under sulfidogenic conditions. Acta Scientiarum - Technology, 2019, 41, 39128.	0.4	5
51	Laundry wastewater and domestic sewage pilot-scale anaerobic treatment: Microbial community resilience regarding sulfide production. Journal of Environmental Management, 2019, 251, 109495.	7.8	27
52	Influence of linear alkylbenzene sulfonate and ethanol on the degradation kinetics of domestic sewage in co-digestion with commercial laundry wastewater. Bioprocess and Biosystems Engineering, 2019, 42, 1547-1558.	3.4	4
53	Potentially toxic metal contamination and microbial community analysis in an abandoned Pb and Zn mining waste deposit. Science of the Total Environment, 2019, 675, 367-379.	8.0	95
54	Experimental design and syntrophic microbial pathways for biofuel production from sugarcane bagasse under thermophilic condition. Renewable Energy, 2019, 140, 852-861.	8.9	21

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55	Identification of Anionic and Nonionic Surfactant and Recalcitrants Compounds in Commercial Laundry Wastewater by GC-MS Analysis After Anaerobic Fluidized Bed Reactor Treatment. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	9
56	Comparative metatranscriptomic analysis of anaerobic digesters treating anionic surfactant contaminated wastewater. Science of the Total Environment, 2019, 649, 482-494.	8.0	33
57	Scale-up evaluation of anaerobic degradation of linear alkylbenzene sulfonate from sanitary sewage in expanded granular sludge bed reactor. International Biodeterioration and Biodegradation, 2019, 138, 23-32.	3.9	27
58	Biohydrogen production from dairy industry wastewater in an anaerobic fluidized-bed reactor. Biomass and Bioenergy, 2019, 120, 257-264.	5.7	59
59	Hydrogen Production by Clostridium cellulolyticum a Cellulolytic and Hydrogen-Producing Bacteria Using Sugarcane Bagasse. Waste and Biomass Valorization, 2019, 10, 827-837.	3.4	11
60	Evaluation of anionic surfactant removal by anaerobic degradation of commercial laundry wastewater and domestic sewage. Environmental Technology (United Kingdom), 2019, 40, 988-996.	2.2	28
61	Bioconversion of crude glycerol from waste cooking oils into hydrogen by sub-tropical mixed and pure cultures. International Journal of Hydrogen Energy, 2019, 44, 144-154.	7.1	41
62	Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater. International Journal of Hydrogen Energy, 2019, 44, 155-163.	7.1	50
63	Bioconversion of Sugarcane Bagasse into Value-Added Products by Bioaugmentation of Endogenous Cellulolytic and Fermentative Communities. Waste and Biomass Valorization, 2019, 10, 1899-1912.	3.4	15
64	Obtaining and Characterization of Mesophilic Bacterial Consortia from Tropical Sludges Applied on Biohydrogen Production. Waste and Biomass Valorization, 2019, 10, 1493-1502.	3.4	8
65	INFLUENCE OF HYDRAULIC RETENTION TIME ON HYDROGEN PRODUCTION BY TREATING CHEESE WHEY WASTEWATER IN ANAEROBIC FLUIDIZED BED BIOREACTOR - AN APPROACH FOR DEVELOPING COUNTRIES. Brazilian Journal of Chemical Engineering, 2019, 36, 1109-1117.	1.3	8
66	Biotechnological products in batch reactors obtained from cellulose, glucose and xylose using thermophilic anaerobic consortium. Renewable Energy, 2018, 125, 537-545.	8.9	24
67	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. Current Microbiology, 2018, 75, 666-676.	2.2	8
68	Bacterial and archaeal community structure involved in biofuels production using hydrothermal- and enzymatic-pretreated sugarcane bagasse for an improvement in hydrogen and methane production. Sustainable Energy and Fuels, 2018, 2, 2644-2660.	4.9	24
69	Selection of metabolic pathways for continuous hydrogen production under thermophilic and mesophilic temperature conditions in anaerobic fluidized bed reactors. International Journal of Hydrogen Energy, 2018, 43, 18908-18917.	7.1	21
70	Hydrothermal processing of biomass for anaerobic digestion – A review. Renewable and Sustainable Energy Reviews, 2018, 98, 108-124.	16.4	133
71	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. Science of the Total Environment, 2018, 640-641, 1411-1423.	8.0	28
72	Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse. Biomass and Bioenergy, 2018, 117, 78-85.	5.7	32

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73	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.	7.8	59
74	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.	3.9	46
75	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.	8.0	14
76	Hydrogen bioproduction with <i>Enterobacter</i> sp. isolated from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 152-160.	7.1	41
77	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.	3.0	43
78	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.	8.0	45
79	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.	7.1	20
80	Bioremoval of Surfactant from Laundry Wastewater in Optimized Condition by Anoxic Reactors. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	4
81	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.	2.4	8
82	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.	2.5	19
83	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.	7.1	48
84	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, .	1.4	10
85	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.	9.6	42
86	Effect of a probiotic beverage consumption (<i>Enterococcus faecium</i> CRL 183 and <i>Bifidobacterium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	37
87	The Influence of Stirring Speed, Temperature and Initial Nitrogen Concentration on Specific Anammox Activity. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	3
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.	2.7	24
89	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.	2.6	12
90	Diversity of anaerobic bacteria in sediments from a subtropical reservoir. <i>Lakes and Reservoirs: Research and Management</i> , 2016, 21, 351-361.	0.9	4

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91	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.	7.1	12
92	Bioconversion of waste office paper to hydrogen using pretreated rumen fluid inoculum. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1887-1897.	3.4	16
93	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.	1.7	15
94	Evaluation of anionic surfactant removal in anaerobic reactor with Fe(III) supplementation. <i>Journal of Environmental Management</i> , 2016, 183, 687-693.	7.8	12
95	Anaerobic Toxicity Assay of Polychlorinated Biphenyl: Focus on Fermentative-Methanogenic Community. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	6
96	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.	12.7	37
97	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.	0.5	3
98	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.	9.6	46
99	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.	7.1	61
100	Bacterial diversity from environmental sample applied to bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3180-3190.	7.1	27
101	The Biological Hydrogen Production Potential of Agroindustrial Residues. <i>Waste and Biomass Valorization</i> , 2015, 6, 273-280.	3.4	11
102	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.	3.4	32
103	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.	7.1	37
104	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.	7.1	32
105	Thermophilic hydrogen production from sugarcane bagasse pretreated by steam explosion and alkaline delignification. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6296-6306.	7.1	50
106	Bacterial communities in thermophilic H ₂ -producing reactors investigated using 16S rRNA 454 pyrosequencing. <i>Microbiological Research</i> , 2015, 173, 10-17.	5.3	21
107	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.	3.6	27
108	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.	8.9	49

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109	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.	1.7	7
110	Analysis of a microbial community associated with polychlorinated biphenyl degradation in anaerobic batch reactors. <i>Biodegradation</i> , 2014, 25, 797-810.	3.0	41
111	Methanogenic potential of an anaerobic sludge in the presence of anionic and nonionic surfactants. <i>International Biodeterioration and Biodegradation</i> , 2014, 96, 198-204.	3.9	21
112	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.	9.6	84
113	Production of H ₂ from cellulose by rumen microorganisms: effects of inocula pre-treatment and enzymatic hydrolysis. <i>Biotechnology Letters</i> , 2014, 36, 537-546.	2.2	23
114	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, 121-128.	8.0	37
115	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.	7.1	53
116	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.	9.6	61
117	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.	3.9	40
118	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.	7.1	23
119	Microbial characterization and degradation of linear alkylbenzene sulfonate in an anaerobic reactor treating wastewater containing soap powder. <i>Bioresource Technology</i> , 2014, 167, 316-323.	9.6	58
120	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.	7.1	76
121	Effect of biomass adaptation to the degradation of anionic surfactants in laundry wastewater using EGSB reactors. <i>Bioresource Technology</i> , 2014, 154, 114-121.	9.6	63
122	Hydrogen production from diluted and raw sugarcane vinasse under thermophilic anaerobic conditions. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9599-9610.	7.1	65
123	Anaerobic degradation of anionic surfactants by indigenous microorganisms from sediments of a tropical polluted river in Brazil. <i>Revista De Biologia Tropical</i> , 2014, 63, 295.	0.4	5
124	Commercial Laundry Water Characterisation. <i>American Journal of Analytical Chemistry</i> , 2014, 05, 8-16.	0.9	86
125	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.	0.9	2
126	Development and Validation of Two Methods to Quantify Volatile Acids (C ₂ -C ₆) by GC/FID: Headspace (Automatic and Manual) and Liquid-Liquid Extraction (LLE). <i>American Journal of Analytical Chemistry</i> , 2014, 05, 406-414.	0.9	170

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127	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.	7.1	38
128	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, 125-133.	9.6	38
129	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, 1348-1366.	2.9	45
130	Anaerobic Degradation of Protein: Simplified Kinetic Modelling and Microbial Dynamics. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	6
131	Influence of volatile fatty acid concentration stability on anaerobic degradation of linear alkylbenzene sulfonate. <i>Journal of Environmental Management</i> , 2013, 128, 169-172.	7.8	12
132	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, 417-428.	2.2	8
133	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.	7.1	163
134	Las degradation in a fluidized bed reactor and phylogenetic characterization of the biofilm. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 521-529.	1.3	12
135	Influence of co-substrates in the anaerobic degradation of an anionic surfactant. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 499-506.	1.3	14
136	Evaluation of the microbial diversity of denitrifying bacteria in batch reactor. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 457-465.	1.3	22
137	Hydrogen production and consumption of organic acids by a phototrophic microbial consortium. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11691-11700.	7.1	45
138	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.	7.1	46
139	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.	1.3	16
140	Microbial characterization and removal of anionic surfactant in an expanded granular sludge bed reactor. <i>Bioresource Technology</i> , 2012, 107, 103-109.	9.6	48
141	Evaluation of microorganisms with sulfidogenic metabolic potential under anaerobic conditions. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 779-784.	0.5	5
142	Denitrification coupled with methane anoxic oxidation and microbial community involved identification. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 173-182.	0.5	11
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146	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, 3840-3847.	9.6	48
147	Hydrogen production from soft-drink wastewater in an upflow anaerobic packed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8953-8966.	7.1	91
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