

Maria Bernadete Amancio Varesche

List of Publications by Year in descending order

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182
papers

5,127
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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 (United Kingdom)</i> , 2023, 44, 1996-2010.	1.2	2
2	Microbial and functional characterization of granulated sludge from full-scale UASB thermophilic reactor applied to sugarcane vinasse treatment. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 3141-3160.	1.2	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.	2.9	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.	1.8	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.	1.8	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.	3.8	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.	2.7	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.	2.7	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.	1.4	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.	2.7	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.	2.6	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.	1.8	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.	2.9	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.	3.8	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.	2.7	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.	2.5	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.	3.8	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.	1.1	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.	1.5	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.	2.9	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.	3.8	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.	3.7	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.	3.8	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.	3.8	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.	1.4	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.	1.2	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.	1.8	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.	1.4	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.	1.7	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.	3.8	34
31	Orange Bagasse Pellets as a Carbon Source for Biobutanol Production. <i>Current Microbiology</i> , 2020, 77, 4053-4062.	1.0	4
32	Biohydrogen production in an integrated biosystem using crude glycerol from waste cooking oils. <i>Renewable Energy</i> , 2020, 162, 701-711.	4.3	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.	2.7	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.	2.7	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.	3.8	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.	2.9	19

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37	4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor. <i>Journal of Environmental Management</i> , 2020, 267, 110575.	3.8	11
38	Methanogenic potential of diclofenac and ibuprofen in sanitary sewage using metabolic cosubstrates. <i>Science of the Total Environment</i> , 2020, 742, 140530.	3.9	25
39	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.	1.9	15
40	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.	3.9	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. <i>Biodegradation</i> , 2020, 31, 73-89.	1.5	12
42	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.	2.7	7
43	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.	2.9	24
44	Anaerobic digestion of aqueous phase from hydrothermal liquefaction of <i>Spirulina</i> using biostimulated sludge. <i>Bioresource Technology</i> , 2020, 312, 123552.	4.8	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. <i>Quimica Nova</i> , 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. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19719-19729.	3.8	32
47	Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk,) Tj ETQq1 1 0.784314 rgBT /Over Hydrogen Energy, 2019, 44, 21434-21450.	3.8	50
48	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.	3.8	31
49	<i>Bacillus</i> 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.	3.8	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. <i>Acta Scientiarum - Technology</i> , 2019, 41, 39128.	0.4	5
51	Laundry wastewater and domestic sewage pilot-scale anaerobic treatment: Microbial community resilience regarding sulfide production. <i>Journal of Environmental Management</i> , 2019, 251, 109495.	3.8	27
52	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.	1.7	4
53	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.	3.9	95
54	Experimental design and syntrophic microbial pathways for biofuel production from sugarcane bagasse under thermophilic condition. <i>Renewable Energy</i> , 2019, 140, 852-861.	4.3	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. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	9
56	Comparative metatranscriptomic analysis of anaerobic digesters treating anionic surfactant contaminated wastewater. <i>Science of the Total Environment</i> , 2019, 649, 482-494.	3.9	33
57	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.	1.9	27
58	Biohydrogen production from dairy industry wastewater in an anaerobic fluidized-bed reactor. <i>Biomass and Bioenergy</i> , 2019, 120, 257-264.	2.9	59
59	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.	1.8	11
60	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.	1.2	28
61	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.	3.8	41
62	Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 155-163.	3.8	50
63	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.	1.8	15
64	Obtaining and Characterization of Mesophilic Bacterial Consortia from Tropical Sludges Applied on Biohydrogen Production. <i>Waste and Biomass Valorization</i> , 2019, 10, 1493-1502.	1.8	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. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1109-1117.	0.7	8
66	Biotechnological products in batch reactors obtained from cellulose, glucose and xylose using thermophilic anaerobic consortium. <i>Renewable Energy</i> , 2018, 125, 537-545.	4.3	24
67	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. <i>Current Microbiology</i> , 2018, 75, 666-676.	1.0	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. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2644-2660.	2.5	24
69	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.	3.8	21
70	Hydrothermal processing of biomass for anaerobic digestion – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 98, 108-124.	8.2	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. <i>Science of the Total Environment</i> , 2018, 640-641, 1411-1423.	3.9	28
72	Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse. <i>Biomass and Bioenergy</i> , 2018, 117, 78-85.	2.9	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.	3.8	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.	1.9	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.	3.9	14
76	Hydrogen bioproduction with <i>Enterobacter</i> sp. isolated from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 152-160.	3.8	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.	1.2	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.	3.9	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.	3.8	20
80	Bioremoval of Surfactant from Laundry Wastewater in Optimized Condition by Anoxic Reactors. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	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.	1.1	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.	1.2	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.	3.8	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, .	0.7	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.	4.8	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	1.1	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.	1.3	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.	1.1	12
90	Diversity of anaerobic bacteria in sediments from a subtropical reservoir. <i>Lakes and Reservoirs: Research and Management</i> , 2016, 21, 351-361.	0.6	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.	3.8	12
92	Bioconversion of waste office paper to hydrogen using pretreated rumen fluid inoculum. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1887-1897.	1.7	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.	0.9	15
94	Evaluation of anionic surfactant removal in anaerobic reactor with Fe(III) supplementation. <i>Journal of Environmental Management</i> , 2016, 183, 687-693.	3.8	12
95	Anaerobic Toxicity Assay of Polychlorinated Biphenyl: Focus on Fermentative-Methanogenic Community. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	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.	6.6	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.	4.8	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.	3.8	61
100	Bacterial diversity from environmental sample applied to bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3180-3190.	3.8	27
101	The Biological Hydrogen Production Potential of Agroindustrial Residues. <i>Waste and Biomass Valorization</i> , 2015, 6, 273-280.	1.8	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.	1.7	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.	3.8	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.	3.8	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.	3.8	50
106	Bacterial communities in thermophilic H ₂ -producing reactors investigated using 16S rRNA 454 pyrosequencing. <i>Microbiological Research</i> , 2015, 173, 10-17.	2.5	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.	1.6	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.	4.3	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.	0.9	7
110	Analysis of a microbial community associated with polychlorinated biphenyl degradation in anaerobic batch reactors. <i>Biodegradation</i> , 2014, 25, 797-810.	1.5	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.	1.9	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.	4.8	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.	1.1	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.	3.9	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.	3.8	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.	4.8	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.	1.9	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.	3.8	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.	4.8	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.	3.8	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.	4.8	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.	3.8	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.	0.1	5
124	Commercial Laundry Water Characterisation. <i>American Journal of Analytical Chemistry</i> , 2014, 05, 8-16.	0.3	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.	0.3	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.	0.3	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.	3.8	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.	4.8	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.	1.4	45
130	Anaerobic Degradation of Protein: Simplified Kinetic Modelling and Microbial Dynamics. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	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.	3.8	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.	1.2	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.	3.8	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.	0.7	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.	0.7	14
136	Evaluation of the microbial diversity of denitrifying bacteria in batch reactor. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 457-465.	0.7	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.	3.8	45
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