

# Isabel Kimiko Sakamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,664  
citations

279798

23  
h-index

302126

39  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of seed sludge and pretreatment method on hydrogen production in packed-bed anaerobic reactors. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6137-6145.	7.1	177
2	Effect of Daily Consumption of Orange Juice on the Levels of Blood Glucose, Lipids, and Gut Microbiota Metabolites: Controlled Clinical Trials. <i>Journal of Medicinal Food</i> , 2019, 22, 202-210.	1.5	111
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk,) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21434-21450.	7.1	50
12	Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 155-163.	7.1	50
13	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
14	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
15	Impact of multi-functional fermented goat milk beverage on gut microbiota in a dynamic colon model. <i>Food Research International</i> , 2017, 99, 315-327.	6.2	41
16	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.	7.1	41
17	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
18	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

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19	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.	7.1	32
20	<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.	7.8	32
21	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.	7.1	31
22	Methanogenic potential of diclofenac and ibuprofen in sanitary sewage using metabolic cosubstrates. <i>Science of the Total Environment</i> , 2020, 742, 140530.	8.0	25
23	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
24	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.	4.9	24
25	Production of H <sub>2</sub> from cellulose by rumen microorganisms: effects of inocula pre-treatment and enzymatic hydrolysis. <i>Biotechnology Letters</i> , 2014, 36, 537-546.	2.2	23
26	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
27	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.	7.1	21
28	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
29	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
30	Establishing simultaneous nitrification and denitrification under continuous aeration for the treatment of multi-electrolytes saline wastewater. <i>Bioresource Technology</i> , 2019, 288, 121529.	9.6	17
31	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
32	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
33	Bioconversion of Sugarcane Bagasse into Value-Added Products by Bioaugmentation of Endogenous Cellulolytic and Fermentative Communities. <i>Waste and Biomass Valorization</i> , 2019, 10, 1899-1912.	3.4	15
34	Impact of combining acerola by-product with a probiotic strain on a gut microbiome model. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 182-194.	2.8	14
35	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
36	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

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37	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
38	Anaerobic digestion of aqueous phase from hydrothermal liquefaction of <i>Spirulina</i> using biostimulated sludge. <i>Bioresource Technology</i> , 2020, 312, 123552.	9.6	12
39	4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor. <i>Journal of Environmental Management</i> , 2020, 267, 110575.	7.8	11
40	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
41	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
42	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
43	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
44	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
45	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.	8.0	9
46	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
47	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. <i>Current Microbiology</i> , 2018, 75, 666-676.	2.2	8
48	Obtaining and Characterization of Mesophilic Bacterial Consortia from Tropical Sludges Applied on Biohydrogen Production. <i>Waste and Biomass Valorization</i> , 2019, 10, 1493-1502.	3.4	8
49	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
50	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
51	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
52	Can different inoculum sources influence the biodegradation of sulfamethoxazole antibiotic during anaerobic digestion?. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 35-46.	1.3	5
53	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
54	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.	3.4	4

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55	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
56	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
57	Bioenergy Recovery from Anaerobic Co-Digestion of Crude Glycerol and Domestic Sewage In-Series Reactor: Microbial Characterization and System Performance. <i>Bioenergy Research</i> , 2022, 15, 2145-2158.	3.9	3
58	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.	2.2	3
59	Bioprospecting Sulfuric Acid Assisted Hydrothermal Pretreatment of Sugarcane Bagasse and Microbial Community Structure for Methane Production. <i>Bioenergy Research</i> , 0, , 1.	3.9	2
60	Long-Term Operation of an ASBBR Used to Treat Dairy Effluent: Effect of the Recirculation Rate on System Monitoring, Kinetics, and Key Microorganisms. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	1