Georgia Antonopoulou

List of Publications by Year
in descending order

53	2,850	257450 24	214800 47
papers	citations	h-index	g-index

55	55	55	2979
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of feedstock pretreatment strategies for improved anaerobic digestion: From lab-scale research to full-scale application. Bioresource Technology, 2016, 199, 386-397.	9.6	441
2	Biofuels generation from sweet sorghum: Fermentative hydrogen production and anaerobic digestion of the remaining biomass. Bioresource Technology, 2008, 99, 110-119.	9.6	407
3	Biohydrogen Production from Biomass and Wastes via Dark Fermentation: A Review. Waste and Biomass Valorization, 2010, 1, 21-39.	3.4	286
4	Using cheese whey for hydrogen and methane generation in a two-stage continuous process with alternative pH controlling approaches. Bioresource Technology, 2009, 100, 3713-3717.	9.6	228
5	Biohydrogen and Methane Production from Cheese Whey in a Two-Stage Anaerobic Process. Industrial & Engineering Chemistry Research, 2008, 47, 5227-5233.	3.7	158
6	Electricity generation from synthetic substrates and cheese whey using a two chamber microbial fuel cell. Biochemical Engineering Journal, 2010, 50, 10-15.	3.6	110
7	Fungal pretreatment of willow sawdust and its combination with alkaline treatment for enhancing biogas production. Journal of Environmental Management, 2017, 203, 704-713.	7.8	91
8	Influence of pH on fermentative hydrogen production from sweet sorghum extract. International Journal of Hydrogen Energy, 2010, 35, 1921-1928.	7.1	79
9	Valorization of kitchen biowaste for ethanol production via simultaneous saccharification and fermentation using co-cultures of the yeasts Saccharomyces cerevisiae and Pichia stipitis. Bioresource Technology, 2018, 263, 75-83.	9.6	66
10	Continuous biohydrogen production from a food industry waste: Influence of operational parameters and microbial community analysis. Journal of Cleaner Production, 2018, 174, 1054-1063.	9.3	56
11	Ethanol and hydrogen production from sunflower straw: The effect of pretreatment on the whole slurry fermentation. Biochemical Engineering Journal, 2016, 116, 65-74.	3.6	55
12	Effect of substrate concentration on fermentative hydrogen production from sweet sorghum extract. International Journal of Hydrogen Energy, 2011, 36, 4843-4851.	7.1	54
13	Operation and characterization of a microbial fuel cell fed with pretreated cheese whey at different organic loads. Bioresource Technology, 2013, 131, 380-389.	9.6	52
14	Production of Gaseous Biofuels and Electricity from Cheese Whey. Industrial & Engineering Chemistry Research, 2011, 50, 639-644.	3.7	51
15	A Leptolyngbya-based microbial consortium for agro-industrial wastewaters treatment and biodiesel production. Environmental Science and Pollution Research, 2018, 25, 17957-17966.	5.3	44
16	On the evaluation of different saccharification schemes for enhanced bioethanol production from potato peels waste via a newly isolated yeast strain of Wickerhamomyces anomalus. Bioresource Technology, 2019, 289, 121614.	9.6	42
17	Continuous anaerobic digestion of swine manure: ADM1-based modelling and effect of addition of swine manure fibers pretreated with aqueous ammonia soaking. Applied Energy, 2016, 172, 190-198.	10.1	40
18	Lewis-BrÃ¸nsted acid catalysed ethanolysis of the organic fraction of municipal solid waste for efficient production of biofuels. Bioresource Technology, 2018, 266, 297-305.	9.6	40

#	Article	IF	Citations
19	Modeling of fermentative hydrogen production from sweet sorghum extract based on modified ADM1. International Journal of Hydrogen Energy, 2012, 37, 191-208.	7.1	39
20	ADM1-based modeling of methane production from acidified sweet sorghum extract in a two stage process. Bioresource Technology, 2012, 106, 10-19.	9.6	38
21	Chemical Pretreatment of Sunflower Straw Biomass: The Effect on Chemical Composition and Structural Changes. Waste and Biomass Valorization, 2015, 6, 733-746.	3.4	38
22	Effect of Pretreatment of Sweet Sorghum Biomass on Methane Generation. Waste and Biomass Valorization, 2013, 4, 583-591.	3.4	32
23	Current Treatment Technologies of Cheese Whey and Wastewater by Greek Cheese Manufacturing Units and Potential Valorisation Opportunities. Waste and Biomass Valorization, 2017, 8, 1649-1663.	3.4	30
24	An overall perspective for the energetic valorization of household food waste using microbial fuel cell technology of its extract, coupled with anaerobic digestion of the solid residue. Applied Energy, 2019, 242, 1064-1073.	10.1	30
25	The Effect of Aqueous Ammonia Soaking Pretreatment on Methane Generation Using Different Lignocellulosic Biomasses. Waste and Biomass Valorization, 2015, 6, 281-291.	3.4	27
26	Biogas Production from Physicochemically Pretreated Grass Lawn Waste: Comparison of Different Process Schemes. Molecules, 2020, 25, 296.	3.8	23
27	From waste to fuel: Energy recovery from household food waste via its bioconversion to energy carriers based on microbiological processes. Science of the Total Environment, 2020, 732, 139230.	8.0	18
28	Evaluation of the non-conventional yeast strain Wickerhamomyces anomalus (Pichia anomala) X19 for enhanced bioethanol production using date palm sap as renewable feedstock. Renewable Energy, 2020, 154, 71-81.	8.9	18
29	Modeling of Anaerobic Digestion of Food Industry Wastes in Different Bioreactor Types. Waste and Biomass Valorization, 2015, 6, 335-341.	3.4	16
30	Anaerobic Degradation of Pure Glycerol for Electricity Generation using a MFC: The Effect of Substrate Concentration. Waste and Biomass Valorization, 2016, 7, 1339-1347.	3.4	16
31	A novel approach of modeling continuous dark hydrogen fermentation. Bioresource Technology, 2018, 250, 784-792.	9.6	16
32	Production of biogas via anaerobic digestion. , 2016, , 259-301.		15
33	Does Acid Addition Improve Liquid Hot Water Pretreatment of Lignocellulosic Biomass towards Biohydrogen and Biogas Production?. Sustainability, 2020, 12, 8935.	3.2	15
34	Sustainable Second-Generation Bioethanol Production from Enzymatically Hydrolyzed Domestic Food Waste Using Pichia anomala as Biocatalyst. Sustainability, 2021, 13, 259.	3.2	15
35	Food Industry Wasteâ€™s Exploitation via Anaerobic Digestion and Fermentative Hydrogen Production in an Up-Flow Column Reactor. Waste and Biomass Valorization, 2016, 7, 711-723.	3.4	14
36	Fungal Pretreatment of Willow Sawdust with Abortiporus biennis for Anaerobic Digestion: Impact of an External Nitrogen Source. Sustainability, 2017, 9, 130.	3.2	14

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37	Designing Efficient Processes for Sustainable Bioethanol and Bio-Hydrogen Production from Grass Lawn Waste. Molecules, 2020, 25, 2889.	3.8	13
38	Assessment of electrocoagulation as a pretreatment method of olive mill wastewater towards alternative processes for biofuels production. Renewable Energy, 2020, 154, 1252-1262.	8.9	13
39	Biological and fermentative production of hydrogen. , 2011, , 305-346.		12
40	On the evaluation of filtered and pretreated cheese whey as an electron donor in a single chamber microbial fuel cell. Biomass Conversion and Biorefinery, 2021, 11, 633-643.	4.6	12
41	Enhancement of Liquid and Gaseous Biofuels Production From Agro-Industrial Residues After Thermochemical and Enzymatic Pretreatment. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	11
42	Methane production via anaerobic digestion of glycerol: a comparison of conventional (<scp>CSTR</scp>) and highâ€rate (<scp>PABR</scp>) digesters. Journal of Chemical Technology and Biotechnology, 2013, 88, 2000-2006.	3.2	10
43	Biomethane and biohydrogen production via anaerobic digestion/fermentation. , 2014, , 476-524.		10
44	Assessment of the effect of drying temperature and composition on the biochemical methane potential of in-house dried household food waste. Waste Management and Research, 2019, 37, 461-468.	3.9	8
45	A Comparative Study of Various Pretreatment Approaches for Bio-Ethanol Production from Willow Sawdust, Using Co-Cultures and Mono-Cultures of Different Yeast Strains. Molecules, 2022, 27, 1344.	3.8	8
46	Production of biogas via anaerobic digestion. , 2011, , 266-304.		7
47	In situ biogas upgrading via cathodic biohydrogen using mitigated ammonia nitrogen during the anaerobic digestion of Taihu blue algae in an integrated bioelectrochemical system (BES). Bioresource Technology, 2021, 341, 125902.	9.6	6
48	Modeling of continuous dark fermentative hydrogen production in an anaerobic up-flow column bioreactor. Chemosphere, 2022, 293, 133527.	8.2	5
49	The Effect of Anode Material on the Performance of a Hydrogen Producing Microbial Electrolysis Cell, Operating with Synthetic and Real Wastewaters. Energies, 2021, 14, 8375.	3.1	5
50	Effect of alkaline/hydrogen peroxide pretreatment on date palm fibers: induced chemical and structural changes and assessment of ethanol production capacity via Pichia anomala and Pichia stipitis. Biomass Conversion and Biorefinery, 2022, 12, 4473-4489.	4.6	3
51	Clean Strategies for the Management of Residues in Dairy Industries. , 2012, , 381-411.		0
52	Farming and Harvesting. RSC Green Chemistry, 2011, , 48-101.	0.1	0
53	Methods to Assess Biological Transformation of Biomass. , 2020, , 641-730.		0