

Georgia Antonopoulou

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,850
citations

257450

24
h-index

214800

47
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55
all docs

55
docs citations

55
times ranked

2979
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of continuous dark fermentative hydrogen production in an anaerobic up-flow column bioreactor. <i>Chemosphere</i> , 2022, 293, 133527.	8.2	5
2	Effect of alkaline/hydrogen peroxide pretreatment on date palm fibers: induced chemical and structural changes and assessment of ethanol production capacity via <i>Pichia anomala</i> and <i>Pichia stipitis</i> . <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4473-4489.	4.6	3
3	A Comparative Study of Various Pretreatment Approaches for Bio-Ethanol Production from Willow Sawdust, Using Co-Cultures and Mono-Cultures of Different Yeast Strains. <i>Molecules</i> , 2022, 27, 1344.	3.8	8
4	On the evaluation of filtered and pretreated cheese whey as an electron donor in a single chamber microbial fuel cell. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 633-643.	4.6	12
5	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). <i>Bioresource Technology</i> , 2021, 341, 125902.	9.6	6
6	Sustainable Second-Generation Bioethanol Production from Enzymatically Hydrolyzed Domestic Food Waste Using <i>Pichia anomala</i> as Biocatalyst. <i>Sustainability</i> , 2021, 13, 259.	3.2	15
7	The Effect of Anode Material on the Performance of a Hydrogen Producing Microbial Electrolysis Cell, Operating with Synthetic and Real Wastewaters. <i>Energies</i> , 2021, 14, 8375.	3.1	5
8	Does Acid Addition Improve Liquid Hot Water Pretreatment of Lignocellulosic Biomass towards Biohydrogen and Biogas Production?. <i>Sustainability</i> , 2020, 12, 8935.	3.2	15
9	From waste to fuel: Energy recovery from household food waste via its bioconversion to energy carriers based on microbiological processes. <i>Science of the Total Environment</i> , 2020, 732, 139230.	8.0	18
10	Evaluation of the non-conventional yeast strain <i>Wickerhamomyces anomalus</i> (<i>Pichia anomala</i>) X19 for enhanced bioethanol production using date palm sap as renewable feedstock. <i>Renewable Energy</i> , 2020, 154, 71-81.	8.9	18
11	Designing Efficient Processes for Sustainable Bioethanol and Bio-Hydrogen Production from Grass Lawn Waste. <i>Molecules</i> , 2020, 25, 2889.	3.8	13
12	Biogas Production from Physicochemically Pretreated Grass Lawn Waste: Comparison of Different Process Schemes. <i>Molecules</i> , 2020, 25, 296.	3.8	23
13	Assessment of electrocoagulation as a pretreatment method of olive mill wastewater towards alternative processes for biofuels production. <i>Renewable Energy</i> , 2020, 154, 1252-1262.	8.9	13
14	Methods to Assess Biological Transformation of Biomass. , 2020, , 641-730.		0
15	Enhancement of Liquid and Gaseous Biofuels Production From Agro-Industrial Residues After Thermochemical and Enzymatic Pretreatment. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	3.9	11
16	On the evaluation of different saccharification schemes for enhanced bioethanol production from potato peels waste via a newly isolated yeast strain of <i>Wickerhamomyces anomalus</i> . <i>Bioresource Technology</i> , 2019, 289, 121614.	9.6	42
17	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. <i>Applied Energy</i> , 2019, 242, 1064-1073.	10.1	30
18	Assessment of the effect of drying temperature and composition on the biochemical methane potential of in-house dried household food waste. <i>Waste Management and Research</i> , 2019, 37, 461-468.	3.9	8

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19	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
20	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
21	A novel approach of modeling continuous dark hydrogen fermentation. Bioresource Technology, 2018, 250, 784-792.	9.6	16
22	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
23	Lewis-Brønsted 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
24	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
25	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
26	Fungal Pretreatment of Willow Sawdust with Abortiporus biennis for Anaerobic Digestion: Impact of an External Nitrogen Source. Sustainability, 2017, 9, 130.	3.2	14
27	Production of biogas via anaerobic digestion. , 2016, , 259-301.		15
28	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
29	Food Industry Waste'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
30	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
31	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
32	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
33	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
34	Modeling of Anaerobic Digestion of Food Industry Wastes in Different Bioreactor Types. Waste and Biomass Valorization, 2015, 6, 335-341.	3.4	16
35	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
36	Biomethane and biohydrogen production via anaerobic digestion/fermentation. , 2014, , 476-524.		10

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37	Effect of Pretreatment of Sweet Sorghum Biomass on Methane Generation. Waste and Biomass Valorization, 2013, 4, 583-591.	3.4	32
38	Methane production via anaerobic digestion of glycerol: a comparison of conventional (<sc>CSTR</sc>) and high‑rate (<sc>PABR</sc>) digesters. Journal of Chemical Technology and Biotechnology, 2013, 88, 2000-2006.	3.2	10
39	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
40	Clean Strategies for the Management of Residues in Dairy Industries. , 2012, , 381-411.		0
41	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
42	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
43	Production of biogas via anaerobic digestion. , 2011, , 266-304.		7
44	Production of Gaseous Biofuels and Electricity from Cheese Whey. Industrial & Engineering Chemistry Research, 2011, 50, 639-644.	3.7	51
45	Effect of substrate concentration on fermentative hydrogen production from sweet sorghum extract. International Journal of Hydrogen Energy, 2011, 36, 4843-4851.	7.1	54
46	Biological and fermentative production of hydrogen. , 2011, , 305-346.		12
47	Farming and Harvesting. RSC Green Chemistry, 2011, , 48-101.	0.1	0
48	Biohydrogen Production from Biomass and Wastes via Dark Fermentation: A Review. Waste and Biomass Valorization, 2010, 1, 21-39.	3.4	286
49	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
50	Influence of pH on fermentative hydrogen production from sweet sorghum extract. International Journal of Hydrogen Energy, 2010, 35, 1921-1928.	7.1	79
51	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
52	Biofuels generation from sweet sorghum: Fermentative hydrogen production and anaerobic digestion of the remaining biomass. Bioresource Technology, 2008, 99, 110-119.	9.6	407
53	Biohydrogen and Methane Production from Cheese Whey in a Two-Stage Anaerobic Process. Industrial & Engineering Chemistry Research, 2008, 47, 5227-5233.	3.7	158