Ioanna Ntaikou

List of Publications by Year
in descending order

45	1,648	430754 18	289141 40
papers	citations	h-index	g-index

48	48	48	1997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biohydrogen Production from Biomass and Wastes via Dark Fermentation: A Review. Waste and Biomass Valorization, 2010, 1, 21-39.	1.8	286
2	Exploitation of olive oil mill wastewater for combined biohydrogen and biopolymers production. Bioresource Technology, 2009, 100, 3724-3730.	4.8	157
3	Hydrogen production from sugars and sweet sorghum biomass using Ruminococcus albus. International Journal of Hydrogen Energy, 2008, 33, 1153-1163.	3.8	154
4	Carbamazepine-mediated pro-oxidant effects on the unicellular marine algal species Dunaliella tertiolecta and the hemocytes of mussel Mytilus galloprovincialis. Ecotoxicology, 2013, 22, 1208-1220.	1.1	116
5	Olive oil mill wastewater toxicity in the marine environment: Alterations of stress indices in tissues of mussel Mytilus galloprovincialis. Aquatic Toxicology, 2011, 101, 358-366.	1.9	98
6	Fungal pretreatment of willow sawdust and its combination with alkaline treatment for enhancing biogas production. Journal of Environmental Management, 2017, 203, 704-713.	3.8	91
7	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.	4.8	66
8	Polyhydroxyalkanoates from Pseudomonas sp. using synthetic and olive mill wastewater under limiting conditions. International Journal of Biological Macromolecules, 2015, 74, 202-210.	3.6	60
9	Microbial bio-based plastics from olive-mill wastewater: Generation and properties of polyhydroxyalkanoates from mixed cultures in a two-stage pilot scale system. Journal of Biotechnology, 2014, 188, 138-147.	1.9	50
10	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.	4.8	42
11	Production of biohydrogen from crude glycerol in an upflow column bioreactor. Bioresource Technology, 2015, 198, 701-708.	4.8	41
12	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.	4.8	40
13	Application of a modified Anaerobic Digestion Model 1 version for fermentative hydrogen production from sweet sorghum extract by Ruminococcus albus. International Journal of Hydrogen Energy, 2010, 35, 3423-3432.	3.8	35
14	Modeling of fermentative hydrogen production from the bacterium Ruminococcus albus: Definition of metabolism and kinetics during growth on glucose. International Journal of Hydrogen Energy, 2009, 34, 3697-3709.	3.8	33
15	Valorisation of wastepaper using the fibrolytic/hydrogen producing bacterium Ruminococcus albus. Bioresource Technology, 2009, 100, 5928-5933.	4.8	30
16	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.	5.1	30
17	Production of PHAs from mixed and pure cultures of Pseudomonas sp. using short-chain fatty acids as carbon source under nitrogen limitation. Desalination, 2009, 248, 723-732.	4.0	25
18	Comparison of yields and properties of microbial polyhydroxyalkanoates generated from waste glycerol based substrates. International Journal of Biological Macromolecules, 2018, 112, 273-283.	3.6	20

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19	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.	3.9	18
20	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.	4.3	18
21	From Milk Kefir to Water Kefir: Assessment of Fermentation Processes, Microbial Changes and Evaluation of the Produced Beverages. Fermentation, 2022, 8, 135.	1.4	18
22	On the Optimization of Fermentation Conditions for Enhanced Bioethanol Yields from Starchy Biowaste via Yeast Co-Cultures. Sustainability, 2021, 13, 1890.	1.6	17
23	Sustainable Second-Generation Bioethanol Production from Enzymatically Hydrolyzed Domestic Food Waste Using Pichia anomala as Biocatalyst. Sustainability, 2021, 13, 259.	1.6	15
24	Fungal Pretreatment of Willow Sawdust with Abortiporus biennis for Anaerobic Digestion: Impact of an External Nitrogen Source. Sustainability, 2017, 9, 130.	1.6	14
25	Effect of nitrogen limitation on polyhydroxyalkanoates production efficiency, properties and microbial dynamics using a soil-derived mixed continuous culture. International Journal of Biobased Plastics, 2019, 1, 31-47.	5.6	13
26	Assessment of electrocoagulation as a pretreatment method of olive mill wastewater towards alternative processes for biofuels production. Renewable Energy, 2020, 154, 1252-1262.	4.3	13
27	Biological and fermentative production of hydrogen. , 2011, , 305-346.		12
28	Production of Bio-Based Hydrogen Enriched Methane from Waste Glycerol in a Two Stage Continuous System. Waste and Biomass Valorization, 2016, 7, 677-689.	1.8	12
29	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.	2.9	12
30	Sugary Kefir: Microbial Identification and Biotechnological Properties. Beverages, 2019, 5, 61.	1.3	11
31	Enhancement of Liquid and Gaseous Biofuels Production From Agro-Industrial Residues After Thermochemical and Enzymatic Pretreatment. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	11
32	Evaluation of a battery of marine species-based bioassays against raw and treated municipal wastewaters. Journal of Hazardous Materials, 2017, 321, 537-546.	6.5	10
33	Valorizing food wastes: assessment of novel yeast strains for enhanced production of single-cell protein from wasted date molasses. Biomass Conversion and Biorefinery, 2022, 12, 4491-4502.	2.9	10
34	Effect of thermo-chemical pretreatment on the saccharification and enzymatic digestibility of olive mill stones and their bioconversion towards alcohols. Environmental Science and Pollution Research, 2021, 28, 24570-24579.	2.7	9
35	The Potential Risk of Electronic Waste Disposal into Aquatic Media: The Case of Personal Computer Motherboards. Toxics, 2021, 9, 166.	1.6	8
36	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.	1.7	8

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37	Chemical and biological tracking in decentralized sanitation systems: The case of artificial constructed wetlands. Journal of Environmental Management, 2021, 300, 113799.	3.8	6
38	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.	4.8	6
39	Biohydrogen production from sweet sorghum biomass using mixed acidogenic cultures and pure cultures of Ruminococcus Albus. Global Nest Journal, 2013, 9, 144-151.	0.3	5
40	Microbial production of hydrogen. , 2021, , 315-337.		3
41	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.	2.9	3
42	Towards a novel two-phase liquidâ€“liquid bioreactor for microbial Cr(VI) removal from wastewaters. Desalination and Water Treatment, 2015, 53, 3319-3327.	1.0	2
43	Integrated Management Methods for the Treatment and/or Valorization of Olive Mill Wastes. , 2012, , 65-118.		1
44	Recovery of organic added value products from wastewater. , 2017, , 399-420.		1
45	Methods to Assess Biological Transformation of Biomass. , 2020, , 641-730.		0