

# Maria Loizidou

## List of Publications by Year in descending order

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59  
papers

1,941  
citations

331259

21  
h-index

253896

43  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced bioethanol production from biowaste streams. , 2022, , 77-154.		1
2	Effect of pretreatment techniques on enzymatic hydrolysis of food waste. Biomass Conversion and Biorefinery, 2021, 11, 219-226.	2.9	23
3	Towards upscaling the valorization of wheat straw residues: alkaline pretreatment using sodium hydroxide, enzymatic hydrolysis and biogas production. Environmental Science and Pollution Research, 2021, 28, 24486-24498.	2.7	25
4	Valorisation of restaurant food waste under the concept of a biorefinery. Biomass Conversion and Biorefinery, 2021, 11, 661-671.	2.9	24
5	Sustainable valorisation pathways mitigating environmental pollution from brewersâ€™ spent grains. Environmental Pollution, 2021, 270, 116069.	3.7	35
6	Status and perspectives of agricultural residues in a circular and resource-efficient context. , 2021, , 49-102.		1
7	Editorial. Biomass Conversion and Biorefinery, 2021, 11, 205-205.	2.9	0
8	Waste and biomass management and valorization. Environmental Science and Pollution Research, 2021, 28, 24224-24229.	2.7	2
9	New developments in sustainable waste-to-energy systems. Renewable and Sustainable Energy Reviews, 2021, 151, 111581.	8.2	12
10	Stainless Steel in Thermal Desalination and Brine Treatment: Current Status and Prospects. Metals and Materials International, 2020, 26, 1463-1482.	1.8	36
11	Study of Valorisation Routes of Spent Coffee Grounds. Waste and Biomass Valorization, 2020, 11, 5295-5306.	1.8	17
12	Assessment of Total Climate Change Impacts on the Agricultural Sector of Cyprus. Atmosphere, 2020, 11, 608.	1.0	7
13	Agricultural Water Vulnerability under Climate Change in Cyprus. Atmosphere, 2020, 11, 648.	1.0	9
14	Added-value molecules recovery and biofuels production from spent coffee grounds. Renewable and Sustainable Energy Reviews, 2020, 131, 110007.	8.2	62
15	Assessing straw digestate as feedstock for bioethanol production. Renewable Energy, 2020, 153, 261-269.	4.3	14
16	NAXOS 2018: sustainable waste management. Journal of Chemical Technology and Biotechnology, 2020, 95, 313-316.	1.6	2
17	Environmental profile of an innovative household biowaste dryer system based on Life Cycle Assessment. Waste Management and Research, 2019, 37, 48-58.	2.2	6
18	Desalination brine disposal methods and treatment technologies - A review. Science of the Total Environment, 2019, 693, 133545.	3.9	383

#	ARTICLE	IF	CITATIONS
19	Planetary Protection Issues of Private Endeavors in Research, Exploration, and Human Access to Space: An Environmental Economics Approach to Backward Contamination. <i>Space Policy</i> , 2019, 50, 101332.	0.8	1
20	Advances and prospects in the field of waste management. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35283-35287.	2.7	9
21	Online Brine Platform: a Tool for Enabling Industrial Symbiosis in Saline Wastewater Management Domain. , 2019, , .		3
22	The Role of Enzyme Loading on Starch and Cellulose Hydrolysis of Food Waste. <i>Waste and Biomass Valorization</i> , 2019, 10, 3753-3762.	1.8	23
23	The "COFFEE BIN" concept: centralized collection and torrefaction of spent coffee grounds. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35473-35481.	2.7	20
24	Assessing the alteration of physicochemical characteristics in composted organic waste in a prototype decentralized composting facility. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20232-20247.	2.7	14
25	Energy efficiency of waste-to-energy plants with a focus on the comparison and the constraints of the 3T method and the R1 formula. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 108, 323-329.	8.2	8
26	Effect of alkaline pretreatments on the enzymatic hydrolysis of wheat straw. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35648-35656.	2.7	24
27	Planetary protection issues of private endeavours in research, exploration, and human access to space: An environmental economics approach to forward contamination. <i>Advances in Space Research</i> , 2019, 63, 598-605.	1.2	10
28	Sustainable waste management. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35761-35763.	2.7	2
29	Introduction of the trapezoidal thermodynamic technique method for measuring and mapping the efficiency of waste-to-energy plants: A potential replacement to the R1 formula. <i>Waste Management and Research</i> , 2018, 36, 810-817.	2.2	8
30	Development of a model for assessing Greenhouse Gas (GHG) emissions from terminal and drayage operations. <i>Operational Research</i> , 2017, 17, 807-819.	1.3	5
31	Pilot Scale System of Two Horizontal Rotating Bioreactors for Bioethanol Production from Household Food Waste at High Solid Concentrations. <i>Waste and Biomass Valorization</i> , 2017, 8, 1709-1719.	1.8	28
32	CYPRUS 2016: Sustainable Solid Waste Management. <i>Waste and Biomass Valorization</i> , 2017, 8, 1531-1532.	1.8	0
33	School Facilities and Sustainability-Related Concepts: A Study of Hellenic Secondary School Principals <sup>TM</sup> , Teachers <sup>TM</sup> , Pupils <sup>TM</sup> and Parents <sup>TM</sup> Responses. <i>Sustainability</i> , 2016, 8, 311.	1.6	5
34	Waste Valorization and Management. <i>Waste and Biomass Valorization</i> , 2016, 7, 645-648.	1.8	7
35	Climate change impacts and adaptation options in the Mediterranean basin. <i>Regional Environmental Change</i> , 2016, 16, 1859-1861.	1.4	18
36	Future heat-related climate change impacts on tourism industry in Cyprus. <i>Regional Environmental Change</i> , 2016, 16, 1915-1927.	1.4	12

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37	Institutional Barriers and Opportunities for the Implementation of Industrial Symbiosis in Greece. <i>Environmental Practice</i> , 2016, 18, 253-259.	0.3	4
38	Climate change impacts, vulnerability and adaptive capacity of the electrical energy sector in Cyprus. <i>Regional Environmental Change</i> , 2016, 16, 1891-1904.	1.4	17
39	Review of the current EU framework on adaptation to climate change and assessment of the relative adaptation framework in Cyprus. <i>Desalination and Water Treatment</i> , 2016, 57, 2219-2231.	1.0	1
40	Challenges for water resources and their management in light of climate change: the case of Cyprus. <i>Desalination and Water Treatment</i> , 2015, 53, 3224-3233.	1.0	6
41	Waste Management and Symbiosis for Waste Valorization. <i>Waste and Biomass Valorization</i> , 2015, 6, 623-624.	1.8	4
42	Overview of water usage and wastewater management in the food and beverage industry. <i>Desalination and Water Treatment</i> , 2015, 53, 3335-3347.	1.0	92
43	Utilization of household food waste for the production of ethanol at high dry material content. <i>Biotechnology for Biofuels</i> , 2014, 7, 4.	6.2	130
44	Multi-criteria decision analysis for the selection of the most suitable landfill site: Case of Azemmour, Morocco. <i>International Journal of Management Science and Engineering Management</i> , 2012, 7, 96-109.	2.6	17
45	Assessment of metal removal, biomass activity and RO concentrate treatment in an MBR+RO system. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 1-8.	6.5	54
46	Performance of a membrane bioreactor used for the treatment of wastewater contaminated with heavy metals. <i>Bioresource Technology</i> , 2011, 102, 4325-4332.	4.8	60
47	Regeneration of natural zeolite polluted by lead and zinc in wastewater treatment systems. <i>Journal of Hazardous Materials</i> , 2011, 189, 773-786.	6.5	79
48	Solid waste management: case of collection and Vehicle Routing Problem in the city of Azemmour, Morocco. <i>International Journal of Management Science and Engineering Management</i> , 2011, 6, 247-255.	2.6	10
49	Use of ultrafiltration membranes and aluminosilicate minerals for nickel removal from industrial wastewater. <i>Journal of Membrane Science</i> , 2010, 360, 234-249.	4.1	78
50	Investigation of Cr(III) removal from wastewater with the use of MBR combined with low-cost additives. <i>Journal of Membrane Science</i> , 2009, 333, 12-19.	4.1	34
51	The applications of inorganic and organic acids for the treatment of heavy polluted sewage sludge and the evaluation of the remaining metal with sequential chemical extraction. <i>Desalination and Water Treatment</i> , 2009, 12, 229-237.	1.0	6
52	Heavy metals fractionation before, during and after composting of sewage sludge with natural zeolite. <i>Waste Management</i> , 2008, 28, 2054-2060.	3.7	66
53	Sawdust and natural zeolite as a bulking agent for improving quality of a composting product from anaerobically stabilized sewage sludge. <i>Bioresource Technology</i> , 2008, 99, 7545-7552.	4.8	100
54	An Alternative Method for the Treatment of Waste Produced at a Dye and a Metal-Plating Industry Using Natural and/or Waste Materials. <i>Waste Management and Research</i> , 2004, 22, 234-239.	2.2	14

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55	CEMENT-BASED STABILIZATION/SOLIDIFICATION OF METAL PLATING INDUSTRY SLUDGE. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2001, 36, 1129-1134.	0.9	12
56	Design of an Inventory System for the Volatile Organic Compounds Emitted by Various Activities. Environmental Science & Technology, 2001, 35, 1982-1988.	4.6	14
57	REMOVAL OF HEAVY METALS FROM SEWAGE SLUDGE BY ACID TREATMENT. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2001, 36, 873-881.	0.9	61
58	A study on the landfill leachate and its impact on the groundwater quality of the greater area. Environmental Geochemistry and Health, 1999, 21, 175-190.	1.8	195
59	Dewatered anaerobicallyâ€stabilized primary sewage sludge composting: Metal leachability and uptake by natural Clinoptilolite. Communications in Soil Science and Plant Analysis, 1999, 30, 1603-1613.	0.6	31