

# Maria Loizidou

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Desalination brine disposal methods and treatment technologies - A review. <i>Science of the Total Environment</i> , 2019, 693, 133545.	3.9	383
2	A study on the landfill leachate and its impact on the groundwater quality of the greater area. <i>Environmental Geochemistry and Health</i> , 1999, 21, 175-190.	1.8	195
3	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
4	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
5	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
6	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
7	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
8	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
9	Added-value molecules recovery and biofuels production from spent coffee grounds. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110007.	8.2	62
10	REMOVAL OF HEAVY METALS FROM SEWAGE SLUDGE BY ACID TREATMENT. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001, 36, 873-881.	0.9	61
11	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
12	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
13	Stainless Steel in Thermal Desalination and Brine Treatment: Current Status and Prospects. <i>Metals and Materials International</i> , 2020, 26, 1463-1482.	1.8	36
14	Sustainable valorisation pathways mitigating environmental pollution from brewers' spent grains. <i>Environmental Pollution</i> , 2021, 270, 116069.	3.7	35
15	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
16	Dewatered anaerobically stabilized primary sewage sludge composting: Metal leachability and uptake by natural Clinoptilolite. <i>Communications in Soil Science and Plant Analysis</i> , 1999, 30, 1603-1613.	0.6	31
17	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
18	Towards upscaling the valorization of wheat straw residues: alkaline pretreatment using sodium hydroxide, enzymatic hydrolysis and biogas production. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24486-24498.	2.7	25

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19	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
20	Valorisation of restaurant food waste under the concept of a biorefinery. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 661-671.	2.9	24
21	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
22	Effect of pretreatment techniques on enzymatic hydrolysis of food waste. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 219-226.	2.9	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	Climate change impacts and adaptation options in the Mediterranean basin. <i>Regional Environmental Change</i> , 2016, 16, 1859-1861.	1.4	18
25	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
26	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
27	Study of Valorisation Routes of Spent Coffee Grounds. <i>Waste and Biomass Valorization</i> , 2020, 11, 5295-5306.	1.8	17
28	Design of an Inventory System for the Volatile Organic Compounds Emitted by Various Activities. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1982-1988.	4.6	14
29	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
30	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
31	Assessing straw digestate as feedstock for bioethanol production. <i>Renewable Energy</i> , 2020, 153, 261-269.	4.3	14
32	CEMENT-BASED STABILIZATION/SOLIDIFICATION OF METAL PLATING INDUSTRY SLUDGE. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001, 36, 1129-1134.	0.9	12
33	Future heat-related climate change impacts on tourism industry in Cyprus. <i>Regional Environmental Change</i> , 2016, 16, 1915-1927.	1.4	12
34	New developments in sustainable waste-to-energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111581.	8.2	12
35	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
36	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

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37	Advances and prospects in the field of waste management. Environmental Science and Pollution Research, 2019, 26, 35283-35287.	2.7	9
38	Agricultural Water Vulnerability under Climate Change in Cyprus. Atmosphere, 2020, 11, 648.	1.0	9
39	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. Waste Management and Research, 2018, 36, 810-817.	2.2	8
40	Energy efficiency of waste-to-energy plants with a focus on the comparison and the constraints of the 3T method and the R1 formula. Renewable and Sustainable Energy Reviews, 2019, 108, 323-329.	8.2	8
41	Waste Valorization and Management. Waste and Biomass Valorization, 2016, 7, 645-648.	1.8	7
42	Assessment of Total Climate Change Impacts on the Agricultural Sector of Cyprus. Atmosphere, 2020, 11, 608.	1.0	7
43	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. Desalination and Water Treatment, 2009, 12, 229-237.	1.0	6
44	Challenges for water resources and their management in light of climate change: the case of Cyprus. Desalination and Water Treatment, 2015, 53, 3224-3233.	1.0	6
45	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
46	School Facilities and Sustainability-Related Concepts: A Study of Hellenic Secondary School Principalsâ€™, Teachersâ€™, Pupilsâ€™ and Parentsâ€™ Responses. Sustainability, 2016, 8, 311.	1.6	5
47	Development of a model for assessing Greenhouse Gas (GHG) emissions from terminal and drayage operations. Operational Research, 2017, 17, 807-819.	1.3	5
48	Waste Management and Symbiosis for Waste Valorization. Waste and Biomass Valorization, 2015, 6, 623-624.	1.8	4
49	Institutional Barriers and Opportunities for the Implementation of Industrial Symbiosis in Greece. Environmental Practice, 2016, 18, 253-259.	0.3	4
50	Online Brine Platform: a Tool for Enabling Industrial Symbiosis in Saline Wastewater Management Domain. , 2019, , .		3
51	Sustainable waste management. Environmental Science and Pollution Research, 2018, 25, 35761-35763.	2.7	2
52	NAXOS 2018: sustainable waste management. Journal of Chemical Technology and Biotechnology, 2020, 95, 313-316.	1.6	2
53	Waste and biomass management and valorization. Environmental Science and Pollution Research, 2021, 28, 24224-24229.	2.7	2
54	Review of the current EU framework on adaptation to climate change and assessment of the relative adaptation framework in Cyprus. Desalination and Water Treatment, 2016, 57, 2219-2231.	1.0	1

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55	Planetary Protection Issues of Private Endeavors in Research, Exploration, and Human Access to Space: An Environmental Economics Approach to Backward Contamination. Space Policy, 2019, 50, 101332.	0.8	1
56	Status and perspectives of agricultural residues in a circular and resource-efficient context. , 2021, , 49-102.		1
57	Advanced bioethanol production from biowaste streams. , 2022, , 77-154.		1
58	CYPRUS 2016: Sustainable Solid Waste Management. Waste and Biomass Valorization, 2017, 8, 1531-1532.	1.8	0
59	Editorial. Biomass Conversion and Biorefinery, 2021, 11, 205-205.	2.9	0