

Alberto Pivato

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,040
citations

19
h-index

30
g-index

62
ext. papers

1,284
ext. citations

6.4
avg, IF

5.06
L-index

#	Paper	IF	Citations
58	Effect of aerobic pre-treatment on hydrogen and methane production in a two-stage anaerobic digestion process using food waste with different compositions. <i>Waste Management</i> , 2017 , 59, 194-199	8.6	85
57	Sustainable Management of Digestate from the Organic Fraction of Municipal Solid Waste and Food Waste Under the Concepts of Back to Earth Alternatives and Circular Economy. <i>Waste and Biomass Valorization</i> , 2019 , 10, 465-481	3.2	76
56	Use of digestate from a decentralized on-farm biogas plant as fertilizer in soils: An ecotoxicological study for future indicators in risk and life cycle assessment. <i>Waste Management</i> , 2016 , 49, 378-389	8.6	75
55	Acute toxicity test of leachates from traditional and sustainable landfills using luminescent bacteria. <i>Waste Management</i> , 2006 , 26, 1148-55	8.6	65
54	Pre-treatment technologies for dark fermentative hydrogen production: Current advances and future directions. <i>Waste Management</i> , 2018 , 71, 734-748	8.6	46
53	Organic waste biorefineries: Looking towards implementation. <i>Waste Management</i> , 2020 , 114, 274-286	8.6	39
52	The broad spectrum of possibilities for spent coffee grounds valorisation. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 695-701	3.4	38
51	Tests for the evaluation of ammonium attenuation in MSW landfill leachate by adsorption into bentonite in a landfill liner. <i>Waste Management</i> , 2006 , 26, 123-32	8.6	37
50	Acidogenic fermentation of the organic fraction of municipal solid waste and cheese whey for bio-plastic precursors recovery - Effects of process conditions during batch tests. <i>Waste Management</i> , 2017 , 70, 71-80	8.6	32
49	Environmental and economic assessment of leachate concentrate treatment technologies using analytic hierarchy process. <i>Resources, Conservation and Recycling</i> , 2019 , 141, 474-480	11.9	32
48	Digestate application in landfill bioreactors to remove nitrogen of old landfill leachate. <i>Waste Management</i> , 2018 , 74, 335-346	8.6	30
47	Food web modeling of a river ecosystem for risk assessment of down-the-drain chemicals: a case study with AQUATOX. <i>Science of the Total Environment</i> , 2015 , 508, 214-27	10.2	29
46	Landfill aeration for emission control before and during landfill mining. <i>Waste Management</i> , 2015 , 46, 420-9	8.6	28
45	Statistical analysis for the quality assessment of digestates from separately collected organic fraction of municipal solid waste (OFMSW) and agro-industrial feedstock. Should input feedstock to anaerobic digestion determine the legal status of digestate?. <i>Waste Management</i> , 2019 , 87, 546-558	8.6	27
44	Effect of inoculum pre-treatment on mesophilic hydrogen and methane production from food waste using two-stage anaerobic digestion. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12013-12022	6.7	27
43	The S.An.A.□ concept: Semi-aerobic, Anaerobic, Aerated bioreactor landfill. <i>Waste Management</i> , 2017 , 67, 193-202	8.6	25
42	A review of the presence of SARS-CoV-2 RNA in wastewater and airborne particulates and its use for virus spreading surveillance. <i>Environmental Research</i> , 2021 , 196, 110929	7.9	25

41	Spent Coffee Grounds Alkaline Pre-treatment as Biorefinery Option to Enhance their Anaerobic Digestion Yield. <i>Waste and Biomass Valorization</i> , 2018 , 9, 2565-2570	3.2	23
40	Evaluating the presence of SARS-CoV-2 RNA in the particulate matters during the peak of COVID-19 in Padua, northern Italy. <i>Science of the Total Environment</i> , 2021 , 784, 147129	10.2	20
39	An integrated model-based approach to the risk assessment of pesticide drift from vineyards. <i>Atmospheric Environment</i> , 2015 , 111, 136-150	5.3	19
38	Effectiveness of aerobic pretreatment of municipal solid waste for accelerating biogas generation during simulated landfilling. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	19
37	Recirculation of reverse osmosis concentrate in lab-scale anaerobic and aerobic landfill simulation reactors. <i>Waste Management</i> , 2016 , 56, 262-70	8.6	19
36	PLASMIX management: LCA of six possible scenarios. <i>Waste Management</i> , 2017 , 69, 567-576	8.6	17
35	An ecosystem model of the lower Po river for use in ecological risk assessment of xenobiotics. <i>Ecological Modelling</i> , 2016 , 332, 42-58	3	17
34	Lab-scale phytotreatment of old landfill leachate using different energy crops. <i>Waste Management</i> , 2016 , 55, 265-75	8.6	16
33	Dark fermentation metabolic models to study strategies for hydrogen consumers inhibition. <i>Bioresource Technology</i> , 2018 , 267, 445-457	11	16
32	Further steps in the standardization of BOD/COD ratio as a biological stability index for MSW. <i>Waste Management</i> , 2017 , 68, 16-23	8.6	14
31	Effects of woody biochar on dry thermophilic anaerobic digestion of organic fraction of municipal solid waste. <i>Journal of Environmental Management</i> , 2020 , 267, 110633	7.9	12
30	Assessment of compost quality for its environmentally safe use by means of an ecotoxicological test on a soil organism. <i>Journal of Material Cycles and Waste Management</i> , 2014 , 16, 763-774	3.4	12
29	Assessment of compost dosage in farmland through ecotoxicological tests. <i>Journal of Material Cycles and Waste Management</i> , 2016 , 18, 303-317	3.4	11
28	Landfill Liner Failure: an Open Question for Landfill Risk Analysis. <i>Journal of Environmental Protection</i> , 2011 , 02, 287-297	0.6	9
27	Pre-treating anaerobic mixed microflora with waste frying oil: A novel method to inhibit hydrogen consumption. <i>Waste Management</i> , 2018 , 71, 129-136	8.6	9
26	Optimization of hydrogen production from food waste using anaerobic mixed cultures pretreated with waste frying oil. <i>Renewable Energy</i> , 2019 , 139, 1077-1085	8.1	8
25	Methane oxidation and attenuation of sulphur compounds in landfill top cover systems: Lab-scale tests. <i>Journal of Environmental Sciences</i> , 2018 , 65, 317-326	6.4	8
24	Ecological risk assessment of agricultural soils for the definition of soil screening values: A comparison between substance-based and matrix-based approaches. <i>Heliyon</i> , 2017 , 3, e00284	3.6	7

23	Use of oleaginous plants in phytotreatment of grey water and yellow water from source separation of sewage. <i>Journal of Environmental Sciences</i> , 2017 , 55, 274-282	6.4	7
22	Stabilization of solid digestate and nitrogen removal from mature leachate in landfill simulation bioreactors packed with aged refuse. <i>Journal of Environmental Management</i> , 2019 , 232, 957-963	7.9	7
21	Denitrification of low C/N landfill leachate in lab-scale landfill simulation bioreactors. <i>Waste Management</i> , 2020 , 113, 236-243	8.6	6
20	Biopotentiality as an index of environmental compensation for composting plants. <i>Waste Management</i> , 2013 , 33, 1607-15	8.6	6
19	Denitrification of Mature Landfill Leachate with High Nitrite in Simulated Landfill Columns Packed with Solid Digestate from Organic Fraction of Municipal Solid Waste. <i>Waste and Biomass Valorization</i> , 2020 , 11, 411-421	3.2	6
18	Energy crops on landfills: functional, environmental, and costs analysis of different landfill configurations. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35936-35948	5.1	5
17	Assessment of the ecotoxicity of phytotreatment substrate soil as landfill cover material for in-situ leachate management. <i>Journal of Environmental Management</i> , 2019 , 231, 289-296	7.9	4
16	Acute toxicity tests using earthworms to estimate ecological quality of compost and digestate. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 552-560	3.4	4
15	Compost Heat Recovery Systems: An alternative to produce renewable heat and promoting ecosystem services. <i>Environmental Challenges</i> , 2021 , 4, 100131	2.6	4
14	Study of microbial dynamics during optimization of hydrogen production from food waste by using LCFA-rich agent. <i>Bioresource Technology Reports</i> , 2019 , 5, 157-163	4.1	3
13	Forensic assessment of HP14 classification of waste: evaluation of two standards for preparing water extracts from solid waste to be tested in aquatic bioassays. <i>Environmental Forensics</i> , 2019 , 20, 275-285	1.6	3
12	SANITARY LANDFILL COSTS FROM DESIGN TO AFTERCARE: CRITERIA FOR DEFINING UNIT COST. <i>Detritus</i> , 2018 , Volume 04 - December 2018, 140	0.9	3
11	An innovative approach for the non-invasive surveillance of communities and early detection of SARS-CoV-2 via solid waste analysis. <i>Science of the Total Environment</i> , 2021 , 801, 149743	10.2	3
10	Composting of starch-based bioplastic bags: small scale test of degradation and size reduction trend. <i>Detritus</i> , 2020 , 57-65	0.9	2
9	Effects of char from biomass gasification on carbon retention and nitrogen conversion in landfill simulation bioreactors. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 6401-6410	5.1	1
8	Estimation of global warming emissions in waste incineration and landfilling: An environmental forensic case study. <i>Environmental Forensics</i> , 2018 , 19, 253-264	1.6	1
7	PROPOSAL OF A TESTING PROGRAM FOR THE HP14 (ECOTOXIC) CLASSIFICATION OF AUTOMOTIVE SHREDDER RESIDUES (ASR) BY A BATTERY OF ECOTOXICOLOGICAL BIOASSAYS. <i>Detritus</i> , 2020 , 12-22	0.9	0
6	Chemically Enhanced Solid-Liquid Separation of Digestate: Suspended Solids Removal and Effects on Environmental Quality of Separated Fractions. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1-11	3.2	0

5	Maize plant (<i>Zea mays</i>) uptake of organophosphorus and novel brominated flame retardants from hydroponic cultures. <i>Chemosphere</i> , 2022 , 287, 132456	8.4	o
4	Mitigating long-term emissions of landfill aftercare: Preliminary results from experiments combining microbial electrochemical technologies and aeration. <i>Waste Management and Research</i> , 2021 , 734242X20983895	4	o
3	Applications of near infrared spectroscopy and hyperspectral imaging techniques in anaerobic digestion of bio-wastes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 165, 112608	16.2	o
2	Agricultural application of digestates derived from agricultural and municipal organic wastes: a health risk-assessment for heavy metals. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021 , 1-11	2.3	
1	Environmental Impacts Assessment 2018 , 939-954		