

# Alberto Pivato

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,574  
citations

279487

23  
h-index

315357

38  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maize plant ( <i>Zea mays</i> ) uptake of organophosphorus and novel brominated flame retardants from hydroponic cultures. <i>Chemosphere</i> , 2022, 287, 132456.	4.2	12
2	Mitigating long-term emissions of landfill aftercare: Preliminary results from experiments combining microbial electrochemical technologies and <i>in situ</i> aeration. <i>Waste Management and Research</i> , 2022, 40, 596-606.	2.2	2
3	Chemically Enhanced Solid-Liquid Separation of Digestate: Suspended Solids Removal and Effects on Environmental Quality of Separated Fractions. <i>Waste and Biomass Valorization</i> , 2022, 13, 1029-1041.	1.8	2
4	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.	8.2	13
5	Compost Heat Recovery Systems: Global Warming Potential impact estimation and comparison through a Life Cycle Assessment approach. <i>Detritus</i> , 2022, , 37-48.	0.4	0
6	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.	3.7	56
7	Compost Heat Recovery Systems: An alternative to produce renewable heat and promoting ecosystem services. <i>Environmental Challenges</i> , 2021, 4, 100131.	2.0	11
8	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.	3.9	34
9	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.	3.9	7
10	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.	0.9	0
11	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.	1.8	7
12	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.	2.7	6
13	Organic waste biorefineries: Looking towards implementation. <i>Waste Management</i> , 2020, 114, 274-286.	3.7	91
14	Denitrification of low C/N landfill leachate in lab-scale landfill simulation bioreactors. <i>Waste Management</i> , 2020, 113, 236-243.	3.7	14
15	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.	3.8	25
16	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.	0.4	1
17	Composting of starch-based bioplastic bags: small scale test of degradation and size reduction trend. <i>Detritus</i> , 2020, , 57-65.	0.4	8
18	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.	1.3	4

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19	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.	1.5	6
20	Optimization of hydrogen production from food waste using anaerobic mixed cultures pretreated with waste frying oil. <i>Renewable Energy</i> , 2019, 139, 1077-1085.	4.3	14
21	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.	3.7	38
22	Environmental and economic assessment of leachate concentrate treatment technologies using analytic hierarchy process. <i>Resources, Conservation and Recycling</i> , 2019, 141, 474-480.	5.3	61
23	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.	3.8	12
24	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.	3.8	9
25	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.	1.8	129
26	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.	3.3	20
27	Energy crops on landfills: functional, environmental, and costs analysis of different landfill configurations. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35936-35948.	2.7	6
28	Digestate application in landfill bioreactors to remove nitrogen of old landfill leachate. <i>Waste Management</i> , 2018, 74, 335-346.	3.7	32
29	Special Section: Biological Waste to Energy. <i>Waste Management</i> , 2018, 71, 603-604.	3.7	1
30	The broad spectrum of possibilities for spent coffee grounds valorisation. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 695-701.	1.6	48
31	Pre-treatment technologies for dark fermentative hydrogen production: Current advances and future directions. <i>Waste Management</i> , 2018, 71, 734-748.	3.7	77
32	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.	3.2	12
33	Pre-treating anaerobic mixed microflora with waste frying oil: A novel method to inhibit hydrogen consumption. <i>Waste Management</i> , 2018, 71, 129-136.	3.7	10
34	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.	1.8	36
35	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.	1.6	5
36	Environmental Impacts Assessment. , 2018, , 939-954.		0

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37	Estimation of global warming emissions in waste incineration and landfilling: An environmental forensic case study. <i>Environmental Forensics</i> , 2018, 19, 253-264.	1.3	5
38	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.	3.8	35
39	Dark fermentation metabolic models to study strategies for hydrogen consumers inhibition. <i>Bioresource Technology</i> , 2018, 267, 445-457.	4.8	22
40	SANITARY LANDFILL COSTS FROM DESIGN TO AFTERCARE: CRITERIA FOR DEFINING UNIT COST. <i>Detritus</i> , 2018, Volume 04 - December 2018, 140.	0.4	6
41	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.	1.4	12
42	The S.An.A.® concept: Semi-aerobic, Anaerobic, Aerated bioreactor landfill. <i>Waste Management</i> , 2017, 67, 193-202.	3.7	32
43	Risk assessment: A hindrance or a help to landfill management?. <i>Waste Management</i> , 2017, 63, 1-2.	3.7	4
44	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.	3.7	39
45	PLASMIX management: LCA of six possible scenarios. <i>Waste Management</i> , 2017, 69, 567-576.	3.7	28
46	Further steps in the standardization of BOD 5 /COD ratio as a biological stability index for MSW. <i>Waste Management</i> , 2017, 68, 16-23.	3.7	19
47	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.	3.7	106
48	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.	3.2	8
49	An ecosystem model of the lower Po river for use in ecological risk assessment of xenobiotics. <i>Ecological Modelling</i> , 2016, 332, 42-58.	1.2	25
50	Recirculation of reverse osmosis concentrate in lab-scale anaerobic and aerobic landfill simulation reactors. <i>Waste Management</i> , 2016, 56, 262-270.	3.7	28
51	Lab-scale phytotreatment of old landfill leachate using different energy crops. <i>Waste Management</i> , 2016, 55, 265-275.	3.7	19
52	Assessment of compost dosage in farmland through ecotoxicological tests. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 303-317.	1.6	12
53	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.	3.7	98
54	Landfill aeration for emission control before and during landfill mining. <i>Waste Management</i> , 2015, 46, 420-429.	3.7	36

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55	An integrated model-based approach to the risk assessment of pesticide drift from vineyards. Atmospheric Environment, 2015, 111, 136-150.	1.9	27
56	Food web modeling of a river ecosystem for risk assessment of down-the-drain chemicals: A case study with AQUATOX. Science of the Total Environment, 2015, 508, 214-227.	3.9	37
57	Assessment of compost quality for its environmentally safe use by means of an ecotoxicological test on a soil organism. Journal of Material Cycles and Waste Management, 2014, 16, 763-774.	1.6	16
58	Biopotentiality as an index of environmental compensation for composting plants. Waste Management, 2013, 33, 1607-1615.	3.7	6
59	Landfill Liner Failure: an Open Question for Landfill Risk Analysis. Journal of Environmental Protection, 2011, 02, 287-297.	0.3	15
60	Acute toxicity test of leachates from traditional and sustainable landfills using luminescent bacteria. Waste Management, 2006, 26, 1148-1155.	3.7	85
61	Tests for the evaluation of ammonium attenuation in MSW landfill leachate by adsorption into bentonite in a landfill liner. Waste Management, 2006, 26, 123-132.	3.7	44
62	Preliminary risk assessment of old landfills in Italy. WIT Transactions on Biomedicine and Health, 2003, , .	0.0	1