

# Alessandra Poletti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5175212/publications.pdf>

Version: 2024-02-01

71  
papers

4,043  
citations

94433

37  
h-index

118850

62  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Management of municipal solid waste incineration residues. <i>Waste Management</i> , 2003, 23, 61-88.	7.4	416
2	A review of dark fermentative hydrogen production from biodegradable municipal waste fractions. <i>Waste Management</i> , 2013, 33, 1345-1361.	7.4	227
3	Current status and perspectives of accelerated carbonation processes on municipal waste combustion residues. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 55-75.	2.7	142
4	Physical and mechanical properties of cement-based products containing incineration bottom ash. <i>Waste Management</i> , 2003, 23, 145-156.	7.4	130
5	Influence of particle size on the carbonation of stainless steel slag for CO <sub>2</sub> storage. <i>Energy Procedia</i> , 2009, 1, 4859-4866.	1.8	119
6	The leaching behavior of incinerator bottom ash as affected by accelerated ageing. <i>Journal of Hazardous Materials</i> , 2004, 113, 209-215.	12.4	117
7	Energy recovery from one- and two-stage anaerobic digestion of food waste. <i>Waste Management</i> , 2017, 68, 595-602.	7.4	117
8	Properties of Portland cement "stabilised MSWI fly ashes. <i>Journal of Hazardous Materials</i> , 2001, 88, 123-138.	12.4	111
9	Enhanced electrokinetic treatment of marine sediments contaminated by heavy metals and PAHs. <i>Chemosphere</i> , 2010, 81, 46-56.	8.2	111
10	Optimization of the solidification/stabilization process of MSW fly ash in cementitious matrices. <i>Journal of Hazardous Materials</i> , 1999, 70, 53-70.	12.4	108
11	The dairy biorefinery: Integrating treatment processes for cheese whey valorisation. <i>Journal of Environmental Management</i> , 2020, 276, 111240.	7.8	99
12	Carbonation of Stainless Steel Slag as a Process for CO <sub>2</sub> Storage and Slag Valorization. <i>Waste and Biomass Valorization</i> , 2010, 1, 467-477.	3.4	98
13	Accelerated carbonation of different size fractions of bottom ash from RDF incineration. <i>Waste Management</i> , 2010, 30, 1310-1317.	7.4	96
14	Gas-solid carbonation kinetics of Air Pollution Control residues for CO <sub>2</sub> storage. <i>Chemical Engineering Journal</i> , 2009, 148, 270-278.	12.7	93
15	Carbon sequestration through accelerated carbonation of BOF slag: Influence of particle size characteristics. <i>Chemical Engineering Journal</i> , 2016, 298, 26-35.	12.7	93
16	Control of fermentation duration and pH to orient biochemicals and biofuels production from cheese whey. <i>Bioresource Technology</i> , 2019, 289, 121722.	9.6	91
17	Organic waste biorefineries: Looking towards implementation. <i>Waste Management</i> , 2020, 114, 274-286.	7.4	91
18	The effect of operating variables on chelant-assisted remediation of contaminated dredged sediment. <i>Chemosphere</i> , 2007, 66, 866-877.	8.2	89

#	ARTICLE	IF	CITATIONS
19	Thin-film versus slurry-phase carbonation of steel slag: CO <sub>2</sub> uptake and effects on mineralogy. <i>Journal of Hazardous Materials</i> , 2015, 283, 302-313.	12.4	88
20	The effects of accelerated carbonation on CO <sub>2</sub> uptake and metal release from incineration APC residues. <i>Waste Management</i> , 2009, 29, 2994-3003.	7.4	84
21	Electrokinetic remediation of metal-polluted marine sediments: experimental investigation for plant design. <i>Electrochimica Acta</i> , 2015, 181, 146-159.	5.2	81
22	Biohydrogen production from dark fermentation of cheese whey: Influence of pH. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20930-20941.	7.1	77
23	Valorization of steel slag by a combined carbonation and granulation treatment. <i>Minerals Engineering</i> , 2014, 59, 82-90.	4.3	73
24	CO <sub>2</sub> sequestration through aqueous accelerated carbonation of BOF slag: A factorial study of parameters effects. <i>Journal of Environmental Management</i> , 2016, 167, 185-195.	7.8	71
25	CO <sub>2</sub> Sequestration by Direct Gas-Solid Carbonation of Air Pollution Control (APC) Residues. <i>Energy &amp; Fuels</i> , 2006, 20, 1933-1940.	5.1	68
26	Effects of thin-film accelerated carbonation on steel slag leaching. <i>Journal of Hazardous Materials</i> , 2015, 286, 369-378.	12.4	67
27	An experimental study on fermentative H <sub>2</sub> production from food waste as affected by pH. <i>Waste Management</i> , 2014, 34, 1510-1519.	7.4	66
28	Engineering and environmental properties of thermally treated mixtures containing MSWI fly ash and low-cost additives. <i>Chemosphere</i> , 2004, 56, 901-910.	8.2	61
29	A kinetic study of chelant-assisted remediation of contaminated dredged sediment. <i>Journal of Hazardous Materials</i> , 2006, 137, 1458-1465.	12.4	61
30	Combined application of Life Cycle Assessment and linear programming to evaluate food waste-to-food strategies: Seeking for answers in the nexus approach. <i>Waste Management</i> , 2018, 80, 186-197.	7.4	60
31	Acid neutralisation capacity and hydration behaviour of incineration bottom ash-Portland cement mixtures. <i>Cement and Concrete Research</i> , 2002, 32, 769-775.	11.0	47
32	Effect of alkaline pretreatment on anaerobic digestion of olive mill solid waste. <i>Waste Management</i> , 2016, 58, 160-168.	7.4	46
33	Effect of ultrasonication on anaerobic degradability of solid waste digestate. <i>Waste Management</i> , 2016, 48, 209-217.	7.4	44
34	Comparison of different reaction routes for carbonation of APC residues. <i>Energy Procedia</i> , 2009, 1, 4851-4858.	1.8	43
35	Genetic algorithms as a promising tool for optimisation of the MSW collection routes. <i>Waste Management and Research</i> , 2003, 21, 292-298.	3.9	39
36	The effect of Na and Ca salts on MSWI bottom ash activation for reuse as a pozzolanic admixture. <i>Resources, Conservation and Recycling</i> , 2005, 43, 403-418.	10.8	39

#	ARTICLE	IF	CITATIONS
37	Investigation of 4-year-old stabilised/solidified and accelerated carbonated contaminated soil. Journal of Hazardous Materials, 2010, 181, 543-555.	12.4	38
38	A parametric response surface study of fermentative hydrogen production from cheese whey. Bioresource Technology, 2017, 244, 473-483.	9.6	38
39	Assisted Washing for Heavy Metal and Metalloid Removal from Contaminated Dredged Materials. Water, Air, and Soil Pollution, 2009, 196, 183-198.	2.4	32
40	Land suitability for waste disposal in metropolitan areas. Waste Management and Research, 2014, 32, 707-716.	3.9	32
41	Wet versus slurry carbonation of EAF steel slag. , 2011, 1, 312-319.		31
42	Mechanical properties and leaching modeling of activated incinerator bottom ash in Portland cement blends. Waste Management, 2011, 31, 298-310.	7.4	31
43	Leaching modelling of slurry-phase carbonated steel slag. Journal of Hazardous Materials, 2016, 302, 415-425.	12.4	30
44	Chemical activation in view of MSWI bottom ash recycling in cement-based systems. Journal of Hazardous Materials, 2009, 162, 1292-1299.	12.4	27
45	Environmental life cycle assessment of polyhydroxyalkanoates production from cheese whey. Waste Management, 2021, 132, 31-43.	7.4	27
46	Lab-scale feasibility tests for sediment treatment using different physico-chemical techniques. Journal of Soils and Sediments, 2010, 10, 142-150.	3.0	26
47	Biofuels as opportunity for MCFC niche market application. International Journal of Hydrogen Energy, 2008, 33, 2999-3003.	7.1	25
48	Fractional Factorial Design To Investigate the Influence of Heavy Metals and Anions on Acid Neutralization Behavior of Cement-Based Products. Environmental Science & Technology, 2002, 36, 1584-1591.	10.0	24
49	Biohydrogen Production from Food Waste: Influence of the Inoculum-To-Substrate Ratio. Sustainability, 2018, 10, 4506.	3.2	23
50	Enhanced electrokinetic treatment of different marine sediments contaminated by heavy metals. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 852-865.	1.7	22
51	Accelerated Carbonation of Steel Slags Using CO2 Diluted Sources: CO2 Uptakes and Energy Requirements. Frontiers in Energy Research, 2016, 3, .	2.3	18
52	Influence of the pH control strategy and reactor volume on batch fermentative hydrogen production from the organic fraction of municipal solid waste. Waste Management and Research, 2019, 37, 478-485.	3.9	18
53	Chelant-assisted pulse flushing of a field Pb-contaminated soil. Chemistry and Ecology, 2011, 27, 251-262.	1.6	15
54	Hydrogen and waste: Illusions, challenges and perspectives. Waste Management, 2014, 34, 2425-2426.	7.4	15

#	ARTICLE	IF	CITATIONS
55	Fermentative H <sub>2</sub> production from food waste: Parametric analysis of factor effects. <i>Bioresource Technology</i> , 2019, 276, 349-360.	9.6	15
56	Treatment and Reuse of Incineration Bottom Ash. , 2016, , 607-645.		12
57	Carbon footprint of anaerobic digestion combined with ultrasonic post-treatment of agro-industrial organic residues. <i>Journal of Environmental Management</i> , 2021, 278, 111459.	7.8	10
58	Energetic assessment of CO <sub>2</sub> sequestration through slurry carbonation of steel slag: a factorial study. , 2017, 7, 530-541.		9
59	Waste and climate change: Can appropriate management strategies contribute to mitigation?. <i>Waste Management</i> , 2012, 32, 1501-1502.	7.4	7
60	Effect of ultrasonic post-treatment on anaerobic digestion of lignocellulosic waste. <i>Waste Management and Research</i> , 2021, 39, 221-232.	3.9	7
61	Continuous fermentative hydrogen production from cheese whey – new insights into process stability. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 21044-21059.	7.1	7
62	Physical properties and acid neutralisation capacity of incinerator bottom ash-portland cement mixtures. <i>Waste Management Series</i> , 2000, 1, 791-802.	0.0	6
63	Dark fermentative volatile fatty acids production from food waste: A review of the potential central role in waste biorefineries. <i>Waste Management and Research</i> , 2022, 40, 1571-1593.	3.9	5
64	Remediation of a Heavy Metal-Contaminated Soil by Means of Agglomeration. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 999-1010.	1.7	4
65	Modelling heavy metal and anion effects on physical and mechanical properties of Portland cement by means of factorial experiments. <i>Environmental Technology (United Kingdom)</i> , 2003, 24, 231-239.	2.2	3
66	Treatment and Disposal of Incineration Residues. , 2018, , 157-178.		2
67	Enhanced Separation of Incinerator Bottom Ash: Composition and Environmental Behaviour of Separated Mineral and Weakly Magnetic Fractions. <i>Waste and Biomass Valorization</i> , 2020, 11, 7079-7095.	3.4	2
68	Valorisation of residues from municipal wastewater sieving through anaerobic (co-)digestion with biological sludge. <i>Waste Management and Research</i> , 2022, 40, 814-821.	3.9	2
69	Bio-electrochemical production of hydrogen and electricity from organic waste: preliminary assessment. <i>Clean Technologies and Environmental Policy</i> , 0, , 1.	4.1	2
70	Simulation of Municipal Solid Waste Incinerator Ash/Cement Systems by Means of Factorial Experiments. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 1051-1060.	1.4	0
71	Remediation of Metal-Contaminated Sediments by Means of Chelant-Assisted Washing. , 2012, , 27-58.		0