

Raffaella Pomi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9523387/publications.pdf>

Version: 2024-02-01

64
papers

3,687
citations

117453

34
h-index

138251

58
g-index

68
all docs

68
docs citations

68
times ranked

3036
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorisation of residues from municipal wastewater sieving through anaerobic (co-)digestion with biological sludge. <i>Waste Management and Research</i> , 2022, 40, 814-821.	2.2	2
2	Continuous fermentative hydrogen production from cheese whey – new insights into process stability. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 21044-21059.	3.8	7
3	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.	2.2	5
4	Effect of ultrasonic post-treatment on anaerobic digestion of lignocellulosic waste. <i>Waste Management and Research</i> , 2021, 39, 221-232.	2.2	7
5	Environmental life cycle assessment of polyhydroxyalkanoates production from cheese whey. <i>Waste Management</i> , 2021, 132, 31-43.	3.7	27
6	The dairy biorefinery: Integrating treatment processes for cheese whey valorisation. <i>Journal of Environmental Management</i> , 2020, 276, 111240.	3.8	99
7	Organic waste biorefineries: Looking towards implementation. <i>Waste Management</i> , 2020, 114, 274-286.	3.7	91
8	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.	1.8	2
9	Control of fermentation duration and pH to orient biochemicals and biofuels production from cheese whey. <i>Bioresource Technology</i> , 2019, 289, 121722.	4.8	91
10	Influence of the pH control strategy and reactor volume on batch fermentative hydrogen production from the organic fraction of municipal solid waste. <i>Waste Management and Research</i> , 2019, 37, 478-485.	2.2	18
11	Fermentative H ₂ production from food waste: Parametric analysis of factor effects. <i>Bioresource Technology</i> , 2019, 276, 349-360.	4.8	15
12	POSSIBILITIES FOR THE USE OF SLUDGE FROM A DRINKING WATER TREATMENT PLANT AT GGABA III IN KAMPALA, UGANDA. <i>Detritus</i> , 2019, Volume 06 - June 2019, 1.	0.4	0
13	Treatment and Disposal of Incineration Residues. , 2018, , 157-178.		2
14	Biohydrogen Production from Food Waste: Influence of the Inoculum-To-Substrate Ratio. <i>Sustainability</i> , 2018, 10, 4506.	1.6	23
15	Energy recovery from one- and two-stage anaerobic digestion of food waste. <i>Waste Management</i> , 2017, 68, 595-602.	3.7	117
16	Energetic assessment of CO ₂ sequestration through slurry carbonation of steel slag: a factorial study. , 2017, 7, 530-541.		9
17	A parametric response surface study of fermentative hydrogen production from cheese whey. <i>Bioresource Technology</i> , 2017, 244, 473-483.	4.8	38
18	Accelerated Carbonation of Steel Slags Using CO ₂ Diluted Sources: CO ₂ Uptakes and Energy Requirements. <i>Frontiers in Energy Research</i> , 2016, 3, .	1.2	18

#	ARTICLE	IF	CITATIONS
19	Treatment and Reuse of Incineration Bottom Ash. , 2016, , 607-645.		12
20	Carbon sequestration through accelerated carbonation of BOF slag: Influence of particle size characteristics. Chemical Engineering Journal, 2016, 298, 26-35.	6.6	93
21	Effect of alkaline pretreatment on anaerobic digestion of olive mill solid waste. Waste Management, 2016, 58, 160-168.	3.7	46
22	CO2 sequestration through aqueous accelerated carbonation of BOF slag: A factorial study of parameters effects. Journal of Environmental Management, 2016, 167, 185-195.	3.8	71
23	Effect of ultrasonication on anaerobic degradability of solid waste digestate. Waste Management, 2016, 48, 209-217.	3.7	44
24	Leaching modelling of slurry-phase carbonated steel slag. Journal of Hazardous Materials, 2016, 302, 415-425.	6.5	30
25	Effects of thin-film accelerated carbonation on steel slag leaching. Journal of Hazardous Materials, 2015, 286, 369-378.	6.5	67
26	Electrokinetic remediation of metal-polluted marine sediments: experimental investigation for plant design. Electrochimica Acta, 2015, 181, 146-159.	2.6	81
27	Thin-film versus slurry-phase carbonation of steel slag: CO2 uptake and effects on mineralogy. Journal of Hazardous Materials, 2015, 283, 302-313.	6.5	88
28	Valorization of steel slag by a combined carbonation and granulation treatment. Minerals Engineering, 2014, 59, 82-90.	1.8	73
29	An experimental study on fermentative H2 production from food waste as affected by pH. Waste Management, 2014, 34, 1510-1519.	3.7	66
30	Biohydrogen production from dark fermentation of cheese whey: Influence of pH. International Journal of Hydrogen Energy, 2014, 39, 20930-20941.	3.8	77
31	Land suitability for waste disposal in metropolitan areas. Waste Management and Research, 2014, 32, 707-716.	2.2	32
32	A review of dark fermentative hydrogen production from biodegradable municipal waste fractions. Waste Management, 2013, 33, 1345-1361.	3.7	227
33	Remediation of Metal-Contaminated Sediments by Means of Chelant-Assisted Washing. , 2012, , 27-58.		0
34	Chelant-assisted pulse flushing of a field Pb-contaminated soil. Chemistry and Ecology, 2011, 27, 251-262.	0.6	15
35	Wet versus slurry carbonation of EAF steel slag. , 2011, 1, 312-319.		31
36	Mechanical properties and leaching modeling of activated incinerator bottom ash in Portland cement blends. Waste Management, 2011, 31, 298-310.	3.7	31

#	ARTICLE	IF	CITATIONS
37	Carbonation of Stainless Steel Slag as a Process for CO ₂ Storage and Slag Valorization. Waste and Biomass Valorization, 2010, 1, 467-477.	1.8	98
38	Lab-scale feasibility tests for sediment treatment using different physico-chemical techniques. Journal of Soils and Sediments, 2010, 10, 142-150.	1.5	26
39	Enhanced electrokinetic treatment of marine sediments contaminated by heavy metals and PAHs. Chemosphere, 2010, 81, 46-56.	4.2	111
40	Accelerated carbonation of different size fractions of bottom ash from RDF incineration. Waste Management, 2010, 30, 1310-1317.	3.7	96
41	The effects of accelerated carbonation on CO ₂ uptake and metal release from incineration APC residues. Waste Management, 2009, 29, 2994-3003.	3.7	84
42	Chemical activation in view of MSWI bottom ash recycling in cement-based systems. Journal of Hazardous Materials, 2009, 162, 1292-1299.	6.5	27
43	Comparison of different reaction routes for carbonation of APC residues. Energy Procedia, 2009, 1, 4851-4858.	1.8	43
44	Influence of particle size on the carbonation of stainless steel slag for CO ₂ storage. Energy Procedia, 2009, 1, 4859-4866.	1.8	119
45	Assisted Washing for Heavy Metal and Metalloid Removal from Contaminated Dredged Materials. Water, Air, and Soil Pollution, 2009, 196, 183-198.	1.1	32
46	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.	0.9	22
47	The effect of operating variables on chelant-assisted remediation of contaminated dredged sediment. Chemosphere, 2007, 66, 866-877.	4.2	89
48	Current status and perspectives of accelerated carbonation processes on municipal waste combustion residues. Environmental Monitoring and Assessment, 2007, 135, 55-75.	1.3	142
49	CO ₂ Sequestration by Direct Gas-Solid Carbonation of Air Pollution Control (APC) Residues. Energy & Fuels, 2006, 20, 1933-1940.	2.5	68
50	A kinetic study of chelant-assisted remediation of contaminated dredged sediment. Journal of Hazardous Materials, 2006, 137, 1458-1465.	6.5	61
51	The effect of Na and Ca salts on MSWI bottom ash activation for reuse as a pozzolanic admixture. Resources, Conservation and Recycling, 2005, 43, 403-418.	5.3	39
52	Remediation of a Heavy Metal-Contaminated Soil by Means of Agglomeration. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 999-1010.	0.9	4
53	The leaching behavior of incinerator bottom ash as affected by accelerated ageing. Journal of Hazardous Materials, 2004, 113, 209-215.	6.5	117
54	Engineering and environmental properties of thermally treated mixtures containing MSWI fly ash and low-cost additives. Chemosphere, 2004, 56, 901-910.	4.2	61

#	ARTICLE	IF	CITATIONS
55	Physical and mechanical properties of cement-based products containing incineration bottom ash. <i>Waste Management</i> , 2003, 23, 145-156.	3.7	130
56	Management of municipal solid waste incineration residues. <i>Waste Management</i> , 2003, 23, 61-88.	3.7	416
57	Genetic algorithms as a promising tool for optimisation of the MSW collection routes. <i>Waste Management and Research</i> , 2003, 21, 292-298.	2.2	39
58	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.	0.7	0
59	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.	1.2	3
60	Fractional Factorial Design To Investigate the Influence of Heavy Metals and Anions on Acid Neutralization Behavior of Cement-Based Products. <i>Environmental Science & Technology</i> , 2002, 36, 1584-1591.	4.6	24
61	Acid neutralisation capacity and hydration behaviour of incineration bottom ash-Portland cement mixtures. <i>Cement and Concrete Research</i> , 2002, 32, 769-775.	4.6	47
62	Properties of Portland cement "stabilised MSWI fly ashes. <i>Journal of Hazardous Materials</i> , 2001, 88, 123-138.	6.5	111
63	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
64	Bio-electrochemical production of hydrogen and electricity from organic waste: preliminary assessment. <i>Clean Technologies and Environmental Policy</i> , 0, , 1.	2.1	2