

Julia A Stegemann

List of Publications by Year in descending order

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Version: 2024-02-01

68

papers

2,275

citations

172457

29

h-index

223800

46

g-index

68

all docs

68

docs citations

68

times ranked

2286

citing authors

#	ARTICLE	IF	CITATIONS
1	Acid corrosion resistance of different cementing materials. Cement and Concrete Research, 2000, 30, 803-808.	11.0	226
2	Limitations of the waste hierarchy for achieving absolute reductions in material throughput. Journal of Cleaner Production, 2016, 132, 122-128.	9.3	185
3	Effects of operating variables on durability of fuel briquettes from rice husks and corn cobs. Fuel Processing Technology, 2015, 133, 137-145.	7.2	107
4	Stabilization/solidification of petroleum drill cuttings. Journal of Hazardous Materials, 2010, 174, 463-472.	12.4	104
5	Stabilization/solidification of petroleum drill cuttings: Leaching studies. Journal of Hazardous Materials, 2010, 174, 484-491.	12.4	100
6	Cement-fly ash stabilisation/solidification of contaminated soil: Performance properties and initiation of operating envelopes. Applied Geochemistry, 2013, 33, 64-75.	3.0	76
7	Biosolids and microalgae as alternative binders for biomass fuel briquetting. Fuel, 2017, 194, 339-347.	6.4	76
8	Lysimeter Washing of Msw Incinerator Bottom Ash. Waste Management and Research, 1995, 13, 149-165.	3.9	64
9	pH-dependent leaching behaviour and other performance properties of cement-treated mixed contaminated soil. Journal of Environmental Sciences, 2012, 24, 1630-1638.	6.1	61
10	A proposed protocol for evaluation of solidified wastes. Science of the Total Environment, 1996, 178, 103-110.	8.0	59
11	Element composition and mineralogical characterisation of air pollution control residue from UK energy-from-waste facilities. Waste Management, 2015, 36, 119-129.	7.4	59
12	Global Life Cycle Paper Flows, Recycling Metrics, and Material Efficiency. Journal of Industrial Ecology, 2018, 22, 686-693.	5.5	58
13	Screening tests for assessing treatability of inorganic industrial wastes by stabilisation/solidification with cement. Journal of Hazardous Materials, 2009, 161, 300-306.	12.4	54
14	Adoption of unconventional approaches in construction: The case of cross-laminated timber. Construction and Building Materials, 2016, 125, 690-702.	7.2	53
15	Limited climate benefits of global recycling of pulp and paper. Nature Sustainability, 2021, 4, 180-187.	23.7	50
16	From Waste Management to Component Management in the Construction Industry. Sustainability, 2018, 10, 229.	3.2	46
17	Summary of an investigation of test methods for solidified waste evaluation. Waste Management, 1990, 10, 41-52.	7.4	45
18	Recognising waste use potential to achieve a circular economy. Waste Management, 2020, 105, 1-7.	7.4	45

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19	Prediction of leachate pH for cement paste containing pure metal compounds. Journal of Hazardous Materials, 2002, 90, 169-188.	12.4	44
20	Understanding Environmental Leachability of Electric Arc Furnace Dust. Journal of Environmental Engineering, ASCE, 2000, 126, 112-120.	1.4	37
21	Element speciation in UK biomass power plant residues based on composition, mineralogy, microstructure and leaching. Fuel, 2018, 211, 712-725.	6.4	37
22	Characterisation of ashes from waste biomass power plants and phosphorus recovery. Science of the Total Environment, 2019, 690, 573-583.	8.0	37
23	Metal leaching from monolithic stabilised/solidified air pollution control residues. Journal of Hazardous Materials, 2011, 185, 1115-1123.	12.4	35
24	Solidification/stabilisation of air pollution control residues using Portland cement: Physical properties and chloride leaching. Waste Management, 2009, 29, 1067-1075.	7.4	34
25	Predicting contaminant fate and transport in sediment caps: Mathematical modelling approaches. Applied Geochemistry, 2009, 24, 1347-1353.	3.0	34
26	Changes in composition and lead speciation due to water washing of air pollution control residue from municipal waste incineration. Journal of Hazardous Materials, 2019, 361, 187-199.	12.4	34
27	Prediction of unconfined compressive strength of cement paste with pure metal compound additions. Cement and Concrete Research, 2002, 32, 903-913.	11.0	33
28	Comparisons of operating envelopes for contaminated soil stabilised/solidified with different cementitious binders. Environmental Science and Pollution Research, 2014, 21, 3395-3414.	5.3	31
29	Life cycle assessment of biomass densification systems. Biomass and Bioenergy, 2017, 107, 384-397.	5.7	31
30	Cross-Laminated Secondary Timber: Experimental Testing and Modelling the Effect of Defects and Reduced Feedstock Properties. Sustainability, 2018, 10, 4118.	3.2	29
31	Co-processing of raw and washed air pollution control residues from energy-from-waste facilities in the cement kiln. Journal of Cleaner Production, 2020, 254, 119924.	9.3	27
32	The Marco Gonzalez Maya site, Ambergris Caye, Belize: Assessing the impact of human activities by examining diachronic processes at the local scale. Quaternary International, 2017, 437, 115-142.	1.5	26
33	Characterising existing buildings as material banks (E-BAMB) to enable component reuse. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 129-140.	0.7	26
34	Characterization of acid tars. Journal of Hazardous Materials, 2010, 175, 382-392.	12.4	22
35	Cements in waste management. Advances in Cement Research, 2010, 22, 225-231.	1.6	22
36	Nickel speciation in cement-stabilized/solidified metal treatment filtercakes. Journal of Hazardous Materials, 2017, 321, 353-361.	12.4	21

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37	A Glossary of Basic Neural Network Terminology for Regression Problems. Neural Computing and Applications, 1999, 8, 290-296.	5.6	18
38	1/8 Factorial Study of Metal Effects on Acid Neutralization by Cement. Journal of Environmental Engineering, ASCE, 2000, 126, 925-933.	1.4	17
39	The role of anthropogenic resource classification in supporting the transition to a circular economy. Journal of Cleaner Production, 2021, 297, 126753.	9.3	17
40	Response of Various Solidification Systems to Acid Addition. Studies in Environmental Science, 1997, , 803-814.	0.0	16
41	Variability of field solidified waste. Journal of Hazardous Materials, 1997, 52, 335-348.	12.4	15
42	Conversion of a waste mud into a pozzolanic material. Construction and Building Materials, 1999, 13, 279-284.	7.2	15
43	Prediction of unconfined compressive strength of cement paste containing industrial wastes. Waste Management, 2003, 23, 321-332.	7.4	14
44	Chloride leaching from air pollution control residues solidified using ground granulated blast furnace slag. Chemosphere, 2008, 73, 1544-1549.	8.2	14
45	Effect of curing on field-solidified waste properties. Part 1: physical properties. Waste Management and Research, 1999, 17, 37-43.	3.9	10
46	The potential role of energy-from-waste air pollution control residues in the industrial ecology of cement. Journal of Sustainable Cement-Based Materials, 2014, 3, 111-127.	3.1	10
47	Elemental and mineralogical composition of metal-bearing neutralisation sludges, and zinc speciation – A review. Journal of Hazardous Materials, 2021, 416, 125676.	12.4	10
48	Contaminant Leaching from Stabilized/Solidified Acid Tars. Journal of Environmental Engineering, ASCE, 2010, 136, 1369-1378.	1.4	9
49	Quantification of material stocks in existing buildings using secondary data – A case study for timber in a London Borough. Resources Conservation & Recycling X, 2020, 5, 100027.	4.2	9
50	The impact of the particle size of meat and bone meal (MBM) incineration ash on phosphate precipitation and phosphorus recovery. Journal of Environmental Chemical Engineering, 2021, 9, 105247.	6.7	9
51	Life Cycle Assessment Model for Biomass Fuel Briquetting. Waste and Biomass Valorization, 2022, 13, 2461-2476.	3.4	9
52	An examination of interference in waste solidification through measurement of heat signature. Waste Management, 1998, 17, 249-255.	7.4	8
53	Stabilization/Solidification of Petroleum Drill Cuttings: Thermal and Microstructural Studies of Binder Hydration Products. Environmental Engineering Science, 2010, 27, 889-903.	1.6	8
54	Effect of curing on field-solidified waste properties. Part 2: chemical properties. Waste Management and Research, 1999, 17, 44-49.	3.9	6

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55	Influence of Chlorine on the Fate of Pb and Cu during Clinkerization. Energy & Fuels, 2018, 32, 7718-7726.	5.1	6
56	Quality analysis/quality control tests for field stabilization/solidification 2. Untreated waste, sodium silicate solution and solidified waste. Waste Management, 1995, 15, 507-513.	7.4	4
57	Stabilization/solidification of acid tars. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 978-991.	1.7	4
58	Modelling post-depositional transport of PAHs in aquatic bed sediments using CoReTranS. Journal of Soils and Sediments, 2012, 12, 1541-1548.	3.0	4
59	Ultrasonic Agitation Method for Accelerating Batch Leaching Tests. , 1996, , 413-425.		4
60	Quality analysis/quality control tests for field stabilization/solidification 1. Dry cementing additives. Waste Management, 1995, 15, 265-270.	7.4	2
61	High Carbon Fly Ash as a Sorbent for the Treatment of Petroleum Contaminated Residues. Environmental Engineering Science, 2010, 27, 199-207.	1.6	2
62	Relating monolithic and granular leaching from contaminated soil treated with different cementitious binders. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1502-1515.	1.7	2
63	Past and Future Earth: Archaeology and Soil Studies on Ambergris Caye, Belize. Archaeology International UCL, Institute of Archaeology, 2016, 19, .	0.2	2
64	Modelling of Pollutant Fate and Behaviour in Bed Sediments. Sustainable Management of Sediment Resources, 2007, 1, 263-294.	0.5	1
65	Testing and Performance Criteria for Stabilized/Solidified Waste Forms. , 2004, , 281-317.		1
66	Interactions between Wastes and Binders. , 2004, , 151-176.		1
67	Effect of curing on field-solidified waste properties. Part 2: chemical properties. Waste Management and Research, 1999, 17, 44-49.	3.9	0
68	Neural network modelling of the effects of inorganic impurities on calcium aluminate cement setting. Advances in Cement Research, 2001, 13, 101-114.	1.6	0