

Julia A Stegemann

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,275
citations

172207

29
h-index

223531

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. <i>Cement and Concrete Research</i> , 2000, 30, 803-808.	4.6	226
2	Limitations of the waste hierarchy for achieving absolute reductions in material throughput. <i>Journal of Cleaner Production</i> , 2016, 132, 122-128.	4.6	185
3	Effects of operating variables on durability of fuel briquettes from rice husks and corn cobs. <i>Fuel Processing Technology</i> , 2015, 133, 137-145.	3.7	107
4	Stabilization/solidification of petroleum drill cuttings. <i>Journal of Hazardous Materials</i> , 2010, 174, 463-472.	6.5	104
5	Stabilization/solidification of petroleum drill cuttings: Leaching studies. <i>Journal of Hazardous Materials</i> , 2010, 174, 484-491.	6.5	100
6	Cement-fly ash stabilisation/solidification of contaminated soil: Performance properties and initiation of operating envelopes. <i>Applied Geochemistry</i> , 2013, 33, 64-75.	1.4	76
7	Biosolids and microalgae as alternative binders for biomass fuel briquetting. <i>Fuel</i> , 2017, 194, 339-347.	3.4	76
8	Lysimeter Washing of Msw Incinerator Bottom Ash. <i>Waste Management and Research</i> , 1995, 13, 149-165.	2.2	64
9	pH-dependent leaching behaviour and other performance properties of cement-treated mixed contaminated soil. <i>Journal of Environmental Sciences</i> , 2012, 24, 1630-1638.	3.2	61
10	A proposed protocol for evaluation of solidified wastes. <i>Science of the Total Environment</i> , 1996, 178, 103-110.	3.9	59
11	Element composition and mineralogical characterisation of air pollution control residue from UK energy-from-waste facilities. <i>Waste Management</i> , 2015, 36, 119-129.	3.7	59
12	Global Life Cycle Paper Flows, Recycling Metrics, and Material Efficiency. <i>Journal of Industrial Ecology</i> , 2018, 22, 686-693.	2.8	58
13	Screening tests for assessing treatability of inorganic industrial wastes by stabilisation/solidification with cement. <i>Journal of Hazardous Materials</i> , 2009, 161, 300-306.	6.5	54
14	Adoption of unconventional approaches in construction: The case of cross-laminated timber. <i>Construction and Building Materials</i> , 2016, 125, 690-702.	3.2	53
15	Limited climate benefits of global recycling of pulp and paper. <i>Nature Sustainability</i> , 2021, 4, 180-187.	11.5	50
16	From Waste Management to Component Management in the Construction Industry. <i>Sustainability</i> , 2018, 10, 229.	1.6	46
17	Summary of an investigation of test methods for solidified waste evaluation. <i>Waste Management</i> , 1990, 10, 41-52.	3.7	45
18	Recognising waste use potential to achieve a circular economy. <i>Waste Management</i> , 2020, 105, 1-7.	3.7	45

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19	Prediction of leachate pH for cement paste containing pure metal compounds. <i>Journal of Hazardous Materials</i> , 2002, 90, 169-188.	6.5	44
20	Understanding Environmental Leachability of Electric Arc Furnace Dust. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 112-120.	0.7	37
21	Element speciation in UK biomass power plant residues based on composition, mineralogy, microstructure and leaching. <i>Fuel</i> , 2018, 211, 712-725.	3.4	37
22	Characterisation of ashes from waste biomass power plants and phosphorus recovery. <i>Science of the Total Environment</i> , 2019, 690, 573-583.	3.9	37
23	Metal leaching from monolithic stabilised/solidified air pollution control residues. <i>Journal of Hazardous Materials</i> , 2011, 185, 1115-1123.	6.5	35
24	Solidification/stabilisation of air pollution control residues using Portland cement: Physical properties and chloride leaching. <i>Waste Management</i> , 2009, 29, 1067-1075.	3.7	34
25	Predicting contaminant fate and transport in sediment caps: Mathematical modelling approaches. <i>Applied Geochemistry</i> , 2009, 24, 1347-1353.	1.4	34
26	Changes in composition and lead speciation due to water washing of air pollution control residue from municipal waste incineration. <i>Journal of Hazardous Materials</i> , 2019, 361, 187-199.	6.5	34
27	Prediction of unconfined compressive strength of cement paste with pure metal compound additions. <i>Cement and Concrete Research</i> , 2002, 32, 903-913.	4.6	33
28	Comparisons of operating envelopes for contaminated soil stabilised/solidified with different cementitious binders. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3395-3414.	2.7	31
29	Life cycle assessment of biomass densification systems. <i>Biomass and Bioenergy</i> , 2017, 107, 384-397.	2.9	31
30	Cross-Laminated Secondary Timber: Experimental Testing and Modelling the Effect of Defects and Reduced Feedstock Properties. <i>Sustainability</i> , 2018, 10, 4118.	1.6	29
31	Co-processing of raw and washed air pollution control residues from energy-from-waste facilities in the cement kiln. <i>Journal of Cleaner Production</i> , 2020, 254, 119924.	4.6	27
32	The Marco Gonzalez Maya site, Ambergris Caye, Belize: Assessing the impact of human activities by examining diachronic processes at the local scale. <i>Quaternary International</i> , 2017, 437, 115-142.	0.7	26
33	Characterising existing buildings as material banks (E-BAMB) to enable component reuse. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2019, 172, 129-140.	0.4	26
34	Characterization of acid tars. <i>Journal of Hazardous Materials</i> , 2010, 175, 382-392.	6.5	22
35	Cements in waste management. <i>Advances in Cement Research</i> , 2010, 22, 225-231.	0.7	22
36	Nickel speciation in cement-stabilized/solidified metal treatment filtercakes. <i>Journal of Hazardous Materials</i> , 2017, 321, 353-361.	6.5	21

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37	A Glossary of Basic Neural Network Terminology for Regression Problems. <i>Neural Computing and Applications</i> , 1999, 8, 290-296.	3.2	18
38	1/8 Factorial Study of Metal Effects on Acid Neutralization by Cement. <i>Journal of Environmental Engineering</i> , ASCE, 2000, 126, 925-933.	0.7	17
39	The role of anthropogenic resource classification in supporting the transition to a circular economy. <i>Journal of Cleaner Production</i> , 2021, 297, 126753.	4.6	17
40	Response of Various Solidification Systems to Acid Addition. <i>Studies in Environmental Science</i> , 1997, , 803-814.	0.0	16
41	Variability of field solidified waste. <i>Journal of Hazardous Materials</i> , 1997, 52, 335-348.	6.5	15
42	Conversion of a waste mud into a pozzolanic material. <i>Construction and Building Materials</i> , 1999, 13, 279-284.	3.2	15
43	Prediction of unconfined compressive strength of cement paste containing industrial wastes. <i>Waste Management</i> , 2003, 23, 321-332.	3.7	14
44	Chloride leaching from air pollution control residues solidified using ground granulated blast furnace slag. <i>Chemosphere</i> , 2008, 73, 1544-1549.	4.2	14
45	Effect of curing on field-solidified waste properties. Part 1: physical properties. <i>Waste Management and Research</i> , 1999, 17, 37-43.	2.2	10
46	The potential role of energy-from-waste air pollution control residues in the industrial ecology of cement. <i>Journal of Sustainable Cement-Based Materials</i> , 2014, 3, 111-127.	1.7	10
47	Elemental and mineralogical composition of metal-bearing neutralisation sludges, and zinc speciation " A review. <i>Journal of Hazardous Materials</i> , 2021, 416, 125676.	6.5	10
48	Contaminant Leaching from Stabilized/Solidified Acid Tars. <i>Journal of Environmental Engineering</i> , ASCE, 2010, 136, 1369-1378.	0.7	9
49	Quantification of material stocks in existing buildings using secondary data" A case study for timber in a London Borough. <i>Resources Conservation & Recycling X</i> , 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. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105247.	3.3	9
51	Life Cycle Assessment Model for Biomass Fuel Briquetting. <i>Waste and Biomass Valorization</i> , 2022, 13, 2461-2476.	1.8	9
52	An examination of interference in waste solidification through measurement of heat signature. <i>Waste Management</i> , 1998, 17, 249-255.	3.7	8
53	Stabilization/Solidification of Petroleum Drill Cuttings: Thermal and Microstructural Studies of Binder Hydration Products. <i>Environmental Engineering Science</i> , 2010, 27, 889-903.	0.8	8
54	Effect of curing on field-solidified waste properties. Part 2: chemical properties. <i>Waste Management and Research</i> , 1999, 17, 44-49.	2.2	6

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55	Influence of Chlorine on the Fate of Pb and Cu during Clinkerization. Energy & Fuels, 2018, 32, 7718-7726.	2.5	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.	3.7	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.	0.9	4
58	Modelling post-depositional transport of PAHs in aquatic bed sediments using CoReTranS. Journal of Soils and Sediments, 2012, 12, 1541-1548.	1.5	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.	3.7	2
61	High Carbon Fly Ash as a Sorbent for the Treatment of Petroleum Contaminated Residues. Environmental Engineering Science, 2010, 27, 199-207.	0.8	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.	0.9	2
63	Past and Future Earth: Archaeology and Soil Studies on Ambergris Caye, Belize. Archaeology International UCL, Institute of Archaeology, 2016, 19, .	0.1	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.	2.2	0
68	Neural network modelling of the effects of inorganic impurities on calcium aluminate cement setting. Advances in Cement Research, 2001, 13, 101-114.	0.7	0