Celia Dias-Ferreira

List of Publications by Year
in descending order

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62 papers	2,153 citations	279487 23 h-index	233125 45 g-index
66 all docs	66 docs citations	66 times ranked	2347 citing authors

#	Article	IF	Citations
1	Two-phase nutrient recovery from livestock wastewaters combining novel membrane technologies. Biomass Conversion and Biorefinery, 2022, 12, 4563-4574.	2.9	8
2	A structured methodology to understand municipal waste generation at local level with minimized effort: development and case study. Environmental Science and Pollution Research, 2021, 28, 12597-12612.	2.7	1
3	A novel approach for nutrients recovery from municipal waste as biofertilizers by combining electrodialytic and gas permeable membrane technologies. Waste Management, 2021, 125, 293-302.	3.7	21
4	Bioelectrochemical energy storage in a Microbial Redox Flow Cell. Journal of Energy Storage, 2021, 39, 102610.	3.9	2
5	COVID-19 and waste production in households: A trend analysis. Science of the Total Environment, 2021, 777, 145997.	3.9	81
6	Testing new strategies to improve the recovery of phosphorus from anaerobically digested organic fraction of municipal solid waste. Journal of Chemical Technology and Biotechnology, 2020, 95, 439-449.	1.6	13
7	Microbially-charged electrochemical fuel for energy storage in a redox flow cell. Journal of Power Sources, 2020, 445, 227307.	4.0	8
8	Polypyrrole-TiO2 composite for removal of 4-chlorophenol and diclofenac. Reactive and Functional Polymers, 2020, 146, 104401.	2.0	33
9	Turning waste management into a carbon neutral activity: Practical demonstration in a medium-sized European city. Science of the Total Environment, 2020, 728, 138843.	3.9	23
10	Evaluation of a phosphorus fertiliser produced from anaerobically digested organic fraction of municipal solid waste. Journal of Cleaner Production, 2019, 238, 117911.	4.6	17
11	Looking beyond the banning of lightweight bags: analysing the role of plastic (and fuel) impacts in waste collection at a Portuguese city. Environmental Science and Pollution Research, 2019, 26, 35629-35647.	2.7	12
12	Benchmarking operational efficiency in waste collection: Discussion of current approaches and possible alternatives. Waste Management and Research, 2019, 37, 803-814.	2.2	4
13	Improving the energy efficiency of an electrodialytic process to extract phosphorus from municipal solid waste digestate through different strategies. Applied Energy, 2019, 247, 182-189.	5.1	16
14	Are municipal waste utilities becoming sustainable? A framework to assess and communicate progress. Environmental Science and Pollution Research, 2019, 26, 35305-35316.	2.7	9
15	Synthesis of PPy-ZnO composite used as photocatalyst for the degradation of diclofenac under simulated solar irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 261-269.	2.0	65
16	Dataset of socio-economic and waste collection indicators for Portugal at municipal level. Data in Brief, 2019, 22, 658-661.	0.5	4
17	Prediction Performance of Separate Collection of Packaging Waste Yields Using Genetic Algorithm Optimized Support Vector Machines. Waste and Biomass Valorization, 2019, 10, 3603-3612.	1.8	7
18	Artificial neural network modelling of the amount of separately-collected household packaging waste. Journal of Cleaner Production, 2019, 210, 401-409.	4.6	53

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19	Extraction of phosphorus and struvite production from the anaerobically digested organic fraction of municipal solid waste. Journal of Environmental Chemical Engineering, 2018, 6, 2837-2845.	3.3	24
20	Model for the separate collection of packaging waste in Portuguese low-performing recycling regions. Journal of Environmental Management, 2018, 216, 13-24.	3.8	29
21	Life-cycle cost as basis to optimize waste collection in space and time: A methodology for obtaining a detailed cost breakdown structure. Waste Management and Research, 2018, 36, 788-799.	2.2	11
22	THE SETTING UP OF A PILOT SCALE PAY-AS-YOU-THROW WASTE TARIFF IN AVEIRO, PORTUGAL. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	0
23	Outlining strategies to improve eco-efficiency and efficiency performance. , 2017, , 235-240.		0
24	Phytophthora Ã—alni and Phytophthora lacustris associated with common alder decline in Central Portugal. Forest Pathology, 2016, 46, 174-176.	0.5	9
25	Heavy metal and PCB spatial distribution pattern in sediments within an urban catchmentâ€"contribution of historical pollution sources. Journal of Soils and Sediments, 2016, 16, 2594-2605.	1.5	31
26	Roads as sources of heavy metals in urban areas. The CovÃµes catchment experiment, Coimbra, Portugal. Journal of Soils and Sediments, 2016, 16, 2622-2639.	1.5	36
27	Practices of pharmaceutical waste generation and discarding in households across Portugal. Waste Management and Research, 2016, 34, 1006-1013.	2.2	27
28	The influence of electrodialytic remediation on dioxin (PCDD/PCDF) levels in fly ash and air pollution control residues. Chemosphere, 2016, 148, 380-387.	4.2	15
29	Valorisation of Phosphorus Extracted from Dairy Cattle Slurry and Municipal Solid Wastes Digestates as a Fertilizer. Waste and Biomass Valorization, 2016, 7, 861-869.	1.8	15
30	Distribution and bioconcentration of heavy metals in a tropical aquatic food web: A case study of a tropical estuarine lagoon in SE Mexico. Environmental Pollution, 2016, 210, 155-165.	3.7	89
31	Nanoremediation Coupled to Electrokinetics for PCB Removal from Soil. , 2016, , 331-350.		9
32	Electrokinetics and Zero Valent Iron Nanoparticles: Experimental and Modeling of the Transport in Different Porous Media. , 2016, , 279-294.		2
33	Life Cycle Assessment of Soil and Groundwater Remediation: Groundwater Impacts of Electrokinetic Remediation. , 2016, , 173-202.		0
34	Mercury levels in fly ash and Apc residue from municipal solid waste incineration before and after electrodialytic remediation. International Journal of Sustainable Development and Planning, 2016, 11, 672-682.	0.3	0
35	Electrodialytic upgrading of three different municipal solid waste incineration residue types with focus on Cr, Pb, Zn, Mn, Mo, Sb, Se, V, Cl and SO4. Electrochimica Acta, 2015, 181, 167-178.	2.6	21
36	Electrochemical desalination of historic Portuguese tilesÂâ€"ÂRemoval of chlorides, nitrates and sulfates. Journal of Cultural Heritage, 2015, 16, 712-718.	1.5	4

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37	Treatment of a suspension of PCB contaminated soil using iron nanoparticles and electric current. Journal of Environmental Management, 2015, 151, 550-555.	3.8	32
38	Studies on the Chemical Stabilisation of Digestate from Mechanically Recovered Organic Fraction of Municipal Solid Waste. Waste and Biomass Valorization, 2015, 6, 711-721.	1.8	16
39	Door-to-Door Collection of Food and Kitchen Waste in City Centers Under the Framework of Multimunicipal Waste Management Systems in Portugal: The Case Study of Aveiro. Waste and Biomass Valorization, 2015, 6, 647-656.	1.8	14
40	Electroremediation of PCB contaminated soil combined with iron nanoparticles: Effect of the soil type. Chemosphere, 2015, 131, 157-163.	4.2	33
41	Hospital food waste and environmental and economic indicators â€“ A Portuguese case study. Waste Management, 2015, 46, 146-154.	3.7	67
42	Biowaste separate collection and composting in a Small Island Developing State: The case study of SÃ£o TomÃ© and Principe, West Africa. Waste Management and Research, 2015, 33, 1132-1138.	2.2	6
43	Numerical prediction of diffusion and electric field-induced iron nanoparticle transport. Electrochimica Acta, 2015, 181, 5-12.	2.6	14
44	Ammonium citrate as enhancement for electrodialytic soil remediation and investigation of soil solution during the process. Chemosphere, 2015, 119, 889-895.	4.2	39
45	Electro-osmotic transport of nano zero-valent iron in Boom Clay. Electrochimica Acta, 2014, 127, 27-33.	2.6	9
46	Influence of electrolyte and voltage on the direct current enhanced transport of iron nanoparticles in clay. Chemosphere, 2014, 99, 171-179.	4.2	14
47	Assessment of combined electroâ€“nanoremediation of molinate contaminated soil. Science of the Total Environment, 2014, 493, 178-184.	3.9	30
48	Electrodialytic remediation of polychlorinated biphenyls contaminated soil with iron nanoparticles and two different surfactants. Journal of Colloid and Interface Science, 2014, 433, 189-195.	5.0	55
49	Enhanced Transport and Transformation of Zerovalent Nanoiron in Clay Using Direct Electric Current. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	25
50	Overview of in situ and ex situ remediation technologies for PCB-contaminated soils and sediments and obstacles for full-scale application. Science of the Total Environment, 2013, 445-446, 237-260.	3.9	291
51	Multi-Layer Stream Mapping as a Combined Approach for Industrial Processes Eco-efficiency Assessment. , 2013, , 427-433.		15
52	Electrokinetic remediation of organochlorines in soil: Enhancement techniques and integration with other remediation technologies. Chemosphere, 2012, 87, 1077-1090.	4.2	168
53	Electrokinetic desalination of glazed ceramic tiles. Journal of Applied Electrochemistry, 2010, 40, 1161-1171.	1.5	18
54	Electroremediation of air pollution control residues in a continuous reactor. Journal of Applied Electrochemistry, 2010, 40, 1173-1181.	1.5	24

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55	Preliminary treatment of MSW fly ash as a way of improving electrodialytic remediation. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 837-843.	0.9	24
56	Electrodialytic remediation of soil fines (<63Î¼m) in suspensionâ€"Influence of current strength and L/S. Electrochimica Acta, 2007, 52, 3412-3419.	2.6	41
57	Kinetics of electrodialytic extraction of Pb and soil cations from a slurry of contaminated soil fines. Journal of Hazardous Materials, 2006, 138, 493-499.	6.5	27
58	Removal of selected heavy metals from MSW fly ash by the electrodialytic process. Engineering Geology, 2005, 77, 339-347.	2.9	62
59	Effect of Major Constituents of MSW Fly Ash During Electrodialytic Remediation of Heavy Metals. Separation Science and Technology, 2005, 40, 2007-2019.	1.3	16
60	Possible applications for municipal solid waste fly ash. Journal of Hazardous Materials, 2003, 96, 201-216.	6.5	387
61	Heavy metals in MSW incineration fly ashes. European Physical Journal Special Topics, 2003, 107, 463-466.	0.2	12
62	Green zero-valent iron nanoparticles synthesized using herbal extracts for degradation of dyes from wastewater. , 0, 92, 159-167.		7