

Alexandra B Ribeiro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

2,916
citations

27
h-index

50
g-index

147
ext. papers

3,225
ext. citations

6.6
avg, IF

5.37
L-index

#	Paper	IF	Citations
142	Irrigation of soil with reclaimed wastewater acts as a buffer of microbial taxonomic and functional biodiversity. <i>Science of the Total Environment</i> , 2022 , 802, 149671	10.2	3
141	Extraction of rare earth elements via electric field assisted mining applying deep eutectic solvents. <i>Sustainable Chemistry and Pharmacy</i> , 2022 , 26, 100638	3.9	
140	An Overview of the Modeling of Electrokinetic Remediation 2021 , 1-34		
139	Management of Clay Properties Based on Electrokinetic Nanotechnology 2021 , 323-362		
138	Nanostructured TiO ₂ -Based Hydrogen Evolution Reaction (HER) Electrocatalysts: A Preliminary Feasibility Study in Electrodialytic Remediation with Hydrogen Recovery 2021 , 227-249		
137	Enhanced Electrokinetic Techniques in Soil Remediation for Removal of Heavy Metals 2021 , 287-302		
136	The Integration of Electrokinetics and In Situ Chemical Oxidation Processes for the Remediation of Organically Polluted Soils 2021 , 479-503		
135	Clays and Clay Polymer Composites for Electrokinetic Remediation of Soil 2021 , 587-602		
134	Combined Use of Remediation Technologies with Electrokinetics 2021 , 61-84		0
133	Electrokinetic and Electrochemical Removal of Chlorinated Ethenes: Application in Low- and High-Permeability Saturated Soils 2021 , 503-540		
132	Hydrogen Recovery in Electrodialytic-Based Technologies Applied to Environmental Contaminated Matrices 2021 , 251-270		1
131	Basic Electrochemistry Tools in Environmental Applications 2021 , 35-60		1
130	Rare Earth Elements: Overview, General Concepts, and Recovery Techniques, Including Electrodialytic Extraction 2021 , 159-171		1
129	Hydrocarbon-Contaminated Soil in Cold Climate Conditions: Electrokinetic-Bioremediation Technology as a Remediation Strategy 2021 , 173-190		0
128	Electrokinetic Remediation of Dredged Contaminated Sediments 2021 , 99-139		
127	Removing Ionic and Nonionic Pollutants from Soil, Sludge, and Sediment Using Ultrasound-Assisted Electrokinetic Treatment 2021 , 653-677		
126	Electrochemical Migration of Oil and Oil Products in Soil 2021 , 191-225		

125	The Electrokinetic Recovery of Tungsten and Removal of Arsenic from Mining Secondary Resources: The Case of the Panasqueira Mine 2021 , 85-98		
124	Life Cycle Assessment of Electrodialytic Technologies to Recover Raw Materials from Mine Tailings. <i>Sustainability</i> , 2021 , 13, 3915	3.6	0
123	Cement-based mortars production applying mining residues treated with an electro-based technology and a thermal treatment: Technical and economic effects. <i>Construction and Building Materials</i> , 2021 , 280, 122483	6.7	4
122	Electrodialytic treatment of secondary mining resources for raw materials extraction: Reactor design assessment. <i>Science of the Total Environment</i> , 2021 , 752, 141822	10.2	4
121	Electro-bioremediation of a mixture of structurally different contaminants of emerging concern: Uncovering electrokinetic contribution. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124304	12.8	5
120	Electrochemical Treatment of Effluent for the Removal of Contaminants of Emergent Concern and Culturable Microorganisms. <i>Water (Switzerland)</i> , 2021 , 13, 520	3	0
119	Perspectives on Electrokinetic Remediation of Contaminants of Emerging Concern in Soil 2021 , 433-451		
118	Emerging Contaminants in Wastewater: Sensor Potential for Monitoring Electroremediation Systems 2021 , 413-432		
117	Pharmaceutically Active Compounds in Wastewater Treatment Plants: Electrochemical Advanced Oxidation as Onsite Treatment 2021 , 141-158		
116	Optimization of Electric Field Assisted Mining Process Applied to Rare Earths in Soils. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6316	2.6	1
115	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7947	2.6	1
114	Electrodialytic Hydrogen Production and Critical Raw Materials Recovery from Secondary Resources. <i>Water (Switzerland)</i> , 2020 , 12, 1262	3	8
113	Emerging organic contaminants in soil irrigated with effluent: electrochemical technology as a remediation strategy. <i>Science of the Total Environment</i> , 2020 , 743, 140544	10.2	11
112	Emerging organic contaminants in wastewater: Understanding electrochemical reactors for triclosan and its by-products degradation. <i>Chemosphere</i> , 2020 , 247, 125758	8.4	22
111	Polyelectrolyte Based Sensors as Key to Achieve Quantitative Electronic Tongues: Detection of Triclosan on Aqueous Environmental Matrices. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
110	Overview of mining residues incorporation in construction materials and barriers for full-scale application. <i>Journal of Building Engineering</i> , 2020 , 29, 101215	5.2	12
109	Electrodialytic removal of tungsten and arsenic from secondary mine resources - Deep eutectic solvents enhancement. <i>Science of the Total Environment</i> , 2020 , 710, 136364	10.2	27
108	Effect of mining residues treated with an electrodialytic technology on cement-based mortars. <i>Cleaner Engineering and Technology</i> , 2020 , 1, 100001	2.7	7

107	Electrodialytic recovery of rare earth elements from coal ashes. <i>Electrochimica Acta</i> , 2020 , 359, 136934	6.7	13
106	Exploring hydrogen production for self-energy generation in electroremediation: A proof of concept. <i>Applied Energy</i> , 2019 , 255, 113839	10.7	8
105	Electrodialytic Arsenic Removal from Bulk and Pre-treated Soil. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	3
104	Electrokinetic remediation of contaminants of emergent concern in clay soil: Effect of operating parameters. <i>Environmental Pollution</i> , 2019 , 253, 625-635	9.3	14
103	Triclosan Detection in Aqueous Environmental Matrices by Thin-Films Sensors. <i>Proceedings (mdpi)</i> , 2019 , 15, 24	0.3	
102	Leaching of Cr from wood ash [discussion based on different extraction procedures 2019 , 408-413		
101	Electronic Tongue Coupled to an Electrochemical Flow Reactor for Emerging Organic Contaminants Real Time Monitoring. <i>Sensors</i> , 2019 , 19,	3.8	9
100	Sustainability of construction materials: Electrodialytic technology as a tool for mortars production. <i>Journal of Hazardous Materials</i> , 2019 , 363, 421-427	12.8	8
99	Overview of electronic tongue sensing in environmental aqueous matrices: potential for monitoring emerging organic contaminants. <i>Environmental Reviews</i> , 2019 , 27, 202-214	4.5	19
98	Electro-technologies for the removal of 2,4,6-trichloroanisole from naturally contaminated cork discs: Reactor design and proof of concept. <i>Chemical Engineering Journal</i> , 2019 , 361, 80-88	14.7	2
97	Analysis of Alkylphenols and Phthalates in Vegetables Using SPME and Comprehensive Two-dimensional Gas Chromatography. <i>Current Chromatography</i> , 2018 , 5, 65-71	0.4	1
96	Electrodialytic phosphorus recovery from sewage sludge ash under kinetic control. <i>Electrochimica Acta</i> , 2018 , 287, 49-59	6.7	13
95	Combination of inclusive and differential ($\overline{\mathrm{t}}$) charge asymmetry measurements using ATLAS and CMS data at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
94	Electrodialytic treatment of sewage sludge: influence on microbiological community. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 1103-1112	3.3	3
93	Remediation potential of caffeine, oxybenzone, and triclosan by the salt marsh plants <i>Spartina maritima</i> and <i>Halimione portulacoides</i> . <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35928-35935	5.1	3
92	Electrodialytic 2-compartment cells for emerging organic contaminants removal from effluent. <i>Journal of Hazardous Materials</i> , 2018 , 358, 467-474	12.8	10
91	Shrinkage of self-compacting concrete. A comparative analysis. <i>Journal of Building Engineering</i> , 2017 , 9, 117-124	5.2	13
90	Comparative assessment of LECA and <i>Spartina maritima</i> to remove emerging organic contaminants from wastewater. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7208-7215	5.1	5

89	Influence of the cell design in the electroremoval of PPCPs from soil slurry. <i>Chemical Engineering Journal</i> , 2017 , 326, 162-168	14.7	11
88	Remediation of Pharmaceutical and Personal Care Products (PPCPs) in Constructed Wetlands: Applicability and New Perspectives 2017 , 277-292		2
87	Phosphorus Recovery in Sewage Sludge by Electrokinetic Based Technologies: A Multivariate and Circular Economy View. <i>Waste and Biomass Valorization</i> , 2017 , 8, 1587-1596	3.2	9
86	Electrokinetics Across Disciplines and Continents 2016 ,		11
85	Electrokinetic Soil Remediation: An Overview 2016 , 3-18		3
84	Electrokinetics and Zero Valent Iron Nanoparticles: Experimental and Modeling of the Transport in Different Porous Media 2016 , 279-294		2
83	Electrically induced displacement transport of immiscible oil in saline sediments. <i>Journal of Hazardous Materials</i> , 2016 , 313, 185-92	12.8	18
82	Valorisation of ferric sewage sludge ashes: Potential as a phosphorus source. <i>Waste Management</i> , 2016 , 52, 193-201	8.6	10
81	Nanoremediation Coupled to Electrokinetics for PCB Removal from Soil 2016 , 331-350		8
80	Electrochemical Process for Phosphorus Recovery from Wastewater Treatment Plants 2016 , 129-141		
79	Removal of Pharmaceutical and Personal Care Products in Aquatic Plant-Based Systems 2016 , 351-372		
78	Incorporation of Different Fly Ashes from MSWI as Substitute for Cement in Mortar: An Overview of the Suitability of Electrodialytic Pre-treatment 2016 , 225-247		4
77	Phytoremediation Coupled to Electrochemical Process for Arsenic Removal from Soil 2016 , 313-329		1
76	Multidimensional Chromatographic Techniques for Monitoring and Characterization of Environmental Samples 2016 , 439-453		1
75	Electrokinetically Enabled De-swelling of Clay 2016 , 43-56		2
74	The Kinetic Parameters Evaluation for the Adsorption Processes at Liquid-Solid Interface 2016 , 81-109		1
73	Life Cycle Assessment of Soil and Groundwater Remediation: Groundwater Impacts of Electrokinetic Remediation 2016 , 173-202		
72	Electrochemical Process for Phosphorus Recovery from Water Treatment Plants 2016 , 113-128		

71	Electrodialytic treatment of sewage sludge: Current intensity influence on phosphorus recovery and organic contaminants removal. <i>Chemical Engineering Journal</i> , 2016 , 306, 1058-1066	14.7	28
70	Potential of the electrodialytic process for emerging organic contaminants remediation and phosphorus separation from sewage sludge. <i>Electrochimica Acta</i> , 2015 , 181, 109-117	6.7	27
69	Electrodialytic removal of heavy metals and chloride from municipal solid waste incineration fly ash and air pollution control residue in suspension Test of a new two compartment experimental cell. <i>Electrochimica Acta</i> , 2015 , 181, 73-81	6.7	38
68	ELECTRODIALYTIC PROCESS OF NANOFILTRATION CONCENTRATES PHOSPHORUS RECOVERY AND MICROCYSTINS REMOVAL. <i>Electrochimica Acta</i> , 2015 , 181, 200-207	6.7	11
67	Electroremediation of PCB contaminated soil combined with iron nanoparticles: Effect of the soil type. <i>Chemosphere</i> , 2015 , 131, 157-63	8.4	25
66	Numerical prediction of diffusion and electric field-induced iron nanoparticle transport. <i>Electrochimica Acta</i> , 2015 , 181, 5-12	6.7	13
65	Integrated perspectives of a greenhouse study to upgrade an antimony and arsenic mine soil Potential of enhanced phytotechnologies. <i>Chemical Engineering Journal</i> , 2015 , 262, 563-570	14.7	23
64	Electrochemical desalination of historic Portuguese tiles Removal of chlorides, nitrates and sulfates. <i>Journal of Cultural Heritage</i> , 2015 , 16, 712-718	2.9	3
63	Microbial diversity observed during hemp retting. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4471-4484	5.84	42
62	Treatment of a suspension of PCB contaminated soil using iron nanoparticles and electric current. <i>Journal of Environmental Management</i> , 2015 , 151, 550-5	7.9	26
61	Phytoremediation and the Electrokinetic Process: Potential Use for the Phytoremediation of Antimony and Arsenic 2015 , 199-209		2
60	Suitability of oil bioremediation in an Arctic soil using surplus heating from an incineration facility. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 6221-7	5.1	19
59	Influence of electrolyte and voltage on the direct current enhanced transport of iron nanoparticles in clay. <i>Chemosphere</i> , 2014 , 99, 171-9	8.4	13
58	Modeling of Electric Double-Layers Including Chemical Reaction Effects. <i>Electrochimica Acta</i> , 2014 , 150, 263-268	6.7	15
57	Assessment of combined electro-nanoremediation of molinate contaminated soil. <i>Science of the Total Environment</i> , 2014 , 493, 178-84	10.2	25
56	Electrodialytic remediation of polychlorinated biphenyls contaminated soil with iron nanoparticles and two different surfactants. <i>Journal of Colloid and Interface Science</i> , 2014 , 433, 189-195	9.3	52
55	Phosphorus recovery from sewage sludge ash through an electrodialytic process. <i>Waste Management</i> , 2014 , 34, 886-92	8.6	98
54	Electrokinetic remediation of six emerging organic contaminants from soil. <i>Chemosphere</i> , 2014 , 117, 124-31	8.4	43

53	Phosphorus recovery from waters using nanofiltration. <i>Desalination and Water Treatment</i> , 2014 , 1-8		3
52	Phosphorus Recovery from a Water Reservoir Potential of Nanofiltration Coupled to Electrolytic Process. <i>Waste and Biomass Valorization</i> , 2013 , 4, 675-681	3.2	5
51	Enhanced Transport and Transformation of Zerovalent Nanoiron in Clay Using Direct Electric Current. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	24
50	Computing multi-species chemical equilibrium with an algorithm based on the reaction extents. <i>Computers and Chemical Engineering</i> , 2013 , 58, 135-143	4	27
49	Simulation-based analysis of the differences in the removal rate of chlorides, nitrates and sulfates by electrokinetic desalination treatments. <i>Electrochimica Acta</i> , 2013 , 89, 436-444	6.7	33
48	Overview of in situ and ex situ remediation technologies for PCB-contaminated soils and sediments and obstacles for full-scale application. <i>Science of the Total Environment</i> , 2013 , 445-446, 237-60	10.2	238
47	Green tea extract supplementation induces the lipolytic pathway, attenuates obesity, and reduces low-grade inflammation in mice fed a high-fat diet. <i>Mediators of Inflammation</i> , 2013 , 2013, 635470	4.3	64
46	Modeling of electrokinetic desalination of bricks. <i>Electrochimica Acta</i> , 2012 , 86, 213-222	6.7	29
45	Electrokinetic remediation of organochlorines in soil: enhancement techniques and integration with other remediation technologies. <i>Chemosphere</i> , 2012 , 87, 1077-90	8.4	137
44	Assessing fly ash treatment: remediation and stabilization of heavy metals. <i>Journal of Environmental Management</i> , 2012 , 95 Suppl, S110-5	7.9	9
43	Removal of organic contaminants from soils by an electrokinetic process: The case of molinate and bentazone. Experimental and modeling. <i>Separation and Purification Technology</i> , 2011 , 79, 193-203	8.3	58
42	Modeling of electrokinetic processes by finite element integration of the Nernst-Planck-Boisson system of equations. <i>Separation and Purification Technology</i> , 2011 , 79, 183-192	8.3	41
41	Electrokinetic removal of creosote from treated timber waste: a comprehensive gas chromatographic view. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1183-1193	2.6	14
40	Experimental and modeling of the electrolytic and dialytic treatment of a fly ash containing Cd, Cu and Pb. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1689-1697	2.6	10
39	Electroremediation of straw and co-combustion ash under acidic conditions. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1003-9	12.8	9
38	Electrolytic Remediation of Soil Slurry Removal of Cu, Cr, and As. <i>Separation Science and Technology</i> , 2009 , 44, 2245-2268	2.5	15
37	Electrolytic remediation of suspended mine tailings. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 832-6	2.3	4
36	Electrolytic removal of Cd from straw ash in a pilot plant. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 844-51	2.3	5

35	Preliminary treatment of MSW fly ash as a way of improving electro dialytic remediation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 837-43	2.3	20
34	Qualitative mass spectrometric analysis of the volatile fraction of creosote-treated railway wood sleepers by using comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2008 , 1178, 215-22	4.5	27
33	Characterization of fly ash from bio and municipal waste. <i>Biomass and Bioenergy</i> , 2008 , 32, 277-282	5.3	65
32	Screening the possibility for removing cadmium and other heavy metals from wastewater sludge and bio-ashes by an electro dialytic method. <i>Electrochimica Acta</i> , 2007 , 52, 3420-3426	6.7	38
31	Location model for CCA-treated wood waste remediation units using GIS and clustering methods. <i>Environmental Modelling and Software</i> , 2007 , 22, 1788-1795	5.2	11
30	Diagnostic analysis of electro dialysis in mine tailing materials. <i>Electrochimica Acta</i> , 2007 , 52, 3406-3411	6.7	24
29	Effects of municipal solid waste compost and sewage sludge on mineralization of soil organic matter. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1375-1382	7.5	75
28	Modeling of electro dialytic and dialytic removal of Cr, Cu and As from CCA-treated wood chips. <i>Chemosphere</i> , 2007 , 66, 1716-26	8.4	21
27	Electro dialytic remediation of CCA-treated waste wood in a 2 m ³ pilot plant. <i>Science of the Total Environment</i> , 2006 , 364, 45-54	10.2	23
26	Biosorption of arsenic(V) with <i>Lessonia nigrescens</i> . <i>Minerals Engineering</i> , 2006 , 19, 486-490	4.9	124
25	Electro dialytic extraction of Cu, Pb and Cl from municipal solid waste incineration fly ash suspended in water. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 553-559	3.5	27
24	Relationship between Cu and Zn extractable foliar contents and BCR sequential extraction in soil treated with organic amendments. <i>Environmental Technology (United Kingdom)</i> , 2006 , 27, 1357-67	2.6	10
23	Removal of organic contaminants from soils by an electrokinetic process: the case of atrazine. Experimental and modeling. <i>Chemosphere</i> , 2005 , 59, 1229-39	8.4	91
22	Electro dialytic remediation of CCA-treated waste wood in pilot scale. <i>Engineering Geology</i> , 2005 , 77, 331-338	6	27
21	Case study on the strategy and application of enhancement solutions to improve remediation of soils contaminated with Cu, Pb and Zn by means of electro dialysis. <i>Engineering Geology</i> , 2005 , 77, 317-329	6	27
20	Removal of selected heavy metals from MSW fly ash by the electro dialytic process. <i>Engineering Geology</i> , 2005 , 77, 339-347	6	55
19	Regression modeling of electro dialytic removal of Cu, Cr and As from CCA treated timber waste: application to sawdust. <i>Wood Science and Technology</i> , 2005 , 39, 291-309	2.5	14
18	Copper and Chromium Electro dialytic Migration in CCA-Treated Timber Waste. <i>Water, Air, and Soil Pollution</i> , 2005 , 160, 27-39	2.6	6

17	Electrodialytic Removal of Cu, Cr and As from Treated Wood 2005 , 235-241		2
16	Effect of Major Constituents of MSW Fly Ash During Electrodialytic Remediation of Heavy Metals. <i>Separation Science and Technology</i> , 2005 , 40, 2007-2019	2.5	13
15	Effect of different extracting solutions on the electrodialytic remediation of CCA-treated wood waste Part I. Behaviour of Cu and Cr. <i>Journal of Hazardous Materials</i> , 2004 , 107, 103-13	12.8	18
14	Heavy metals in MSW incineration fly ashes. <i>European Physical Journal Special Topics</i> , 2003 , 107, 463-466		6
13	Possible applications for municipal solid waste fly ash. <i>Journal of Hazardous Materials</i> , 2003 , 96, 201-16	12.8	319
12	Electrodialytic Removal of Heavy Metals from Different Solid Waste Products. <i>Separation Science and Technology</i> , 2003 , 38, 1269-1289	2.5	31
11	Removal of arsenic from toxic ash after combustion of impregnated wood. <i>European Physical Journal Special Topics</i> , 2003 , 107, 993-996		3
10	Effects from different types of construction refuse in the soil on electrodialytic remediation. <i>Journal of Hazardous Materials</i> , 2002 , 91, 205-19	12.8	16
9	A comparative study on Cu, Cr and As removal from CCA-treated wood waste by dialytic and electrodialytic processes. <i>Journal of Hazardous Materials</i> , 2002 , 94, 147-60	12.8	31
8	Removal of Cu, Pb and Zn in an applied electric field in calcareous and non-calcareous soils. <i>Journal of Hazardous Materials</i> , 2001 , 85, 291-9	12.8	64
7	Electrodialytic Removal of Cu, Cr, and As from Chromated Copper Arsenate-Treated Timber Waste. <i>Environmental Science & Technology</i> , 2000 , 34, 784-788	10.3	101
6	An application of discriminant analysis to pattern recognition of selected contaminated soil features in thin sections. <i>Geoderma</i> , 1997 , 76, 253-262	6.7	3
5	A dynamic model for the electrokinetic removal of copper from a polluted soil. <i>Journal of Hazardous Materials</i> , 1997 , 56, 257-271	12.8	60
4	Electrokinetic Removal of Herbicides from Soils 249-264		
3	Monitoring pesticides in post-consumer containers by GC/TOFMS and HPLC/DAD after the triple rinse method. <i>International Journal of Environmental Analytical Chemistry</i> , 1-12	1.8	0
2	Electrokinetic-Phytoremediation of Mixed Contaminants in Soil 271-286		1
1	Bioremediation of sediments contaminated with polycyclic aromatic hydrocarbons: the technological innovation patented review. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	1