

Alexandra B Ribeiro

List of Publications by Year in descending order

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125
papers

3,650
citations

159358

30
h-index

149479

56
g-index

148
all docs

148
docs citations

148
times ranked

6285
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible applications for municipal solid waste fly ash. <i>Journal of Hazardous Materials</i> , 2003, 96, 201-216.	6.5	387
2	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, 237-260.	3.9	291
3	Electrokinetic remediation of organochlorines in soil: Enhancement techniques and integration with other remediation technologies. <i>Chemosphere</i> , 2012, 87, 1077-1090.	4.2	168
4	Biosorption of arsenic(V) with <i>Lessonia nigrescens</i> . <i>Minerals Engineering</i> , 2006, 19, 486-490.	1.8	143
5	Phosphorus recovery from sewage sludge ash through an electrodialytic process. <i>Waste Management</i> , 2014, 34, 886-892.	3.7	125
6	Electrodialytic Removal of Cu, Cr, and As from Chromated Copper Arsenate-Treated Timber Waste. <i>Environmental Science & Technology</i> , 2000, 34, 784-788.	4.6	114
7	Removal of organic contaminants from soils by an electrokinetic process: the case of atrazine.. <i>Chemosphere</i> , 2005, 59, 1229-1239.	4.2	105
8	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.	4.2	90
9	Characterization of fly ash from bio and municipal waste. <i>Biomass and Bioenergy</i> , 2008, 32, 277-282.	2.9	78
10	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, 291-299.	6.5	72
11	A dynamic model for the electrokinetic removal of copper from a polluted soil. <i>Journal of Hazardous Materials</i> , 1997, 56, 257-271.	6.5	70
12	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, 1-8.	1.4	70
13	Microbial diversity observed during hemp retting. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4471-4484.	1.7	65
14	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.	3.9	64
15	Removal of selected heavy metals from MSW fly ash by the electrodialytic process. <i>Engineering Geology</i> , 2005, 77, 339-347.	2.9	62
16	Electrokinetic remediation of six emerging organic contaminants from soil. <i>Chemosphere</i> , 2014, 117, 124-131.	4.2	59
17	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.	5.0	55
18	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.	2.6	48

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19	Modeling of electrokinetic processes by finite element integration of the Nernst-Planck-Poisson system of equations. <i>Separation and Purification Technology</i> , 2011, 79, 183-192.	3.9	47
20	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.	2.6	45
21	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.	2.6	40
22	Electrodialytic removal of tungsten and arsenic from secondary mine resources – Deep eutectic solvents enhancement. <i>Science of the Total Environment</i> , 2020, 710, 136364.	3.9	38
23	Emerging organic contaminants in wastewater: Understanding electrochemical reactors for triclosan and its by-products degradation. <i>Chemosphere</i> , 2020, 247, 125758.	4.2	37
24	Electrodialytic Removal of Heavy Metals from Different Solid Waste Products. <i>Separation Science and Technology</i> , 2003, 38, 1269-1289.	1.3	36
25	Electrodialytic treatment of sewage sludge: Current intensity influence on phosphorus recovery and organic contaminants removal. <i>Chemical Engineering Journal</i> , 2016, 306, 1058-1066.	6.6	36
26	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.	2.9	35
27	A comparative study on Cu, Cr and As removal from CCA-treated wood waste by dialytic and electro-dialytic processes. <i>Journal of Hazardous Materials</i> , 2002, 94, 147-160.	6.5	34
28	Modeling of electrokinetic desalination of bricks. <i>Electrochimica Acta</i> , 2012, 86, 213-222.	2.6	34
29	Electroremediation of PCB contaminated soil combined with iron nanoparticles: Effect of the soil type. <i>Chemosphere</i> , 2015, 131, 157-163.	4.2	33
30	Computing multi-species chemical equilibrium with an algorithm based on the reaction extents. <i>Computers and Chemical Engineering</i> , 2013, 58, 135-143.	2.0	32
31	Treatment of a suspension of PCB contaminated soil using iron nanoparticles and electric current. <i>Journal of Environmental Management</i> , 2015, 151, 550-555.	3.8	32
32	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.	6.6	31
33	Electrodialytic 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.	1.6	30
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, 215-222.	1.8	30
35	Suitability of oil bioremediation in an Arctic soil using surplus heating from an incineration facility. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6221-6227.	2.7	30
36	Assessment of combined electro-nanoremediation of molinate contaminated soil. <i>Science of the Total Environment</i> , 2014, 493, 178-184.	3.9	30

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37	Potential of the electro-dialytic process for emerging organic contaminants remediation and phosphorus separation from sewage sludge. <i>Electrochimica Acta</i> , 2015, 181, 109-117.	2.6	30
38	Overview of electronic tongue sensing in environmental aqueous matrices: potential for monitoring emerging organic contaminants. <i>Environmental Reviews</i> , 2019, 27, 202-214.	2.1	29
39	Electrodialytic remediation of CCA-treated waste wood in pilot scale. <i>Engineering Geology</i> , 2005, 77, 331-338.	2.9	28
40	Diagnostic analysis of electro-dialysis in mine tailing materials. <i>Electrochimica Acta</i> , 2007, 52, 3406-3411.	2.6	27
41	Electrodialytic remediation of CCA-treated waste wood in a 2 m ³ pilot plant. <i>Science of the Total Environment</i> , 2006, 364, 45-54.	3.9	26
42	Modeling of electro-dialytic and dialytic removal of Cr, Cu and As from CCA-treated wood chips. <i>Chemosphere</i> , 2007, 66, 1716-1726.	4.2	26
43	Electrokinetic remediation of contaminants of emergent concern in clay soil: Effect of operating parameters. <i>Environmental Pollution</i> , 2019, 253, 625-635.	3.7	26
44	Enhanced Transport and Transformation of Zerovalent Nanoiron in Clay Using Direct Electric Current. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	25
45	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, 837-843.	0.9	24
46	Electrodialytic recovery of rare earth elements from coal ashes. <i>Electrochimica Acta</i> , 2020, 359, 136934.	2.6	24
47	Modeling of Electric Double-Layers Including Chemical Reaction Effects. <i>Electrochimica Acta</i> , 2014, 150, 263-268.	2.6	22
48	Shrinkage of self-compacting concrete. A comparative analysis. <i>Journal of Building Engineering</i> , 2017, 9, 117-124.	1.6	22
49	Electrically induced displacement transport of immiscible oil in saline sediments. <i>Journal of Hazardous Materials</i> , 2016, 313, 185-192.	6.5	21
50	Overview of mining residues incorporation in construction materials and barriers for full-scale application. <i>Journal of Building Engineering</i> , 2020, 29, 101215.	1.6	21
51	Emerging organic contaminants in soil irrigated with effluent: electrochemical technology as a remediation strategy. <i>Science of the Total Environment</i> , 2020, 743, 140544.	3.9	20
52	Polyelectrolyte Based Sensors as Key to Achieve Quantitative Electronic Tongues: Detection of Triclosan on Aqueous Environmental Matrices. <i>Nanomaterials</i> , 2020, 10, 640.	1.9	20
53	Effect of different extracting solutions on the electro-dialytic remediation of CCA-treated wood waste Part I.. <i>Journal of Hazardous Materials</i> , 2004, 107, 103-113.	6.5	19
54	Electrokinetics Across Disciplines and Continents. , 2016, , .		19

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55	Electrodialytic phosphorus recovery from sewage sludge ash under kinetic control. <i>Electrochimica Acta</i> , 2018, 287, 49-59.	2.6	18
56	Effects from different types of construction refuse in the soil on electrodialytic remediation. <i>Journal of Hazardous Materials</i> , 2002, 91, 205-219.	6.5	16
57	Regression modeling of electrodialytic removal of Cu, Cr and As from CCA treated timber waste: application to sawdust. <i>Wood Science and Technology</i> , 2005, 39, 291-309.	1.4	16
58	Effect of Major Constituents of MSW Fly Ash During Electrodialytic Remediation of Heavy Metals. <i>Separation Science and Technology</i> , 2005, 40, 2007-2019.	1.3	16
59	Electrodialytic remediation of suspended mine tailings. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 832-836.	0.9	16
60	Assessing fly ash treatment: Remediation and stabilization of heavy metals. <i>Journal of Environmental Management</i> , 2010, 95 Suppl, S110-5.	3.8	16
61	Electrodialytic Remediation of Soil Slurry—Removal of Cu, Cr, and As. <i>Separation Science and Technology</i> , 2009, 44, 2245-2268.	1.3	15
62	Electrokinetic removal of creosote from treated timber waste: a comprehensive gas chromatographic view. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1183-1193.	1.5	15
63	Valorisation of ferric sewage sludge ashes: Potential as a phosphorus source. <i>Waste Management</i> , 2016, 52, 193-201.	3.7	15
64	Influence of the cell design in the electroremoval of PPCPs from soil slurry. <i>Chemical Engineering Journal</i> , 2017, 326, 162-168.	6.6	15
65	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.	3.9	15
66	Influence of electrolyte and voltage on the direct current enhanced transport of iron nanoparticles in clay. <i>Chemosphere</i> , 2014, 99, 171-179.	4.2	14
67	ELECTRODIALYTIC PROCESS OF NANOFILTRATION CONCENTRATES — PHOSPHORUS RECOVERY AND MICROCYSTINS REMOVAL. <i>Electrochimica Acta</i> , 2015, 181, 200-207.	2.6	14
68	Numerical prediction of diffusion and electric field-induced iron nanoparticle transport. <i>Electrochimica Acta</i> , 2015, 181, 5-12.	2.6	14
69	Exploring hydrogen production for self-energy generation in electroremediation: A proof of concept. <i>Applied Energy</i> , 2019, 255, 113839.	5.1	14
70	Electronic Tongue Coupled to an Electrochemical Flow Reactor for Emerging Organic Contaminants Real Time Monitoring. <i>Sensors</i> , 2019, 19, 5349.	2.1	14
71	Location model for CCA-treated wood waste remediation units using GIS and clustering methods. <i>Environmental Modelling and Software</i> , 2007, 22, 1788-1795.	1.9	13
72	Heavy metals in MSW incineration fly ashes. <i>European Physical Journal Special Topics</i> , 2003, 107, 463-466.	0.2	12

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73	Electroremediation of straw and co-combustion ash under acidic conditions. <i>Journal of Hazardous Materials</i> , 2009, 161, 1003-1009.	6.5	12
74	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.	2.7	11
75	Electrodialytic 2-compartment cells for emerging organic contaminants removal from effluent. <i>Journal of Hazardous Materials</i> , 2018, 358, 467-474.	6.5	11
76	Electro-bioremediation of a mixture of structurally different contaminants of emerging concern: Uncovering electrokinetic contribution. <i>Journal of Hazardous Materials</i> , 2021, 406, 124304.	6.5	11
77	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, 1357-1367.	1.2	10
78	Experimental and modeling of the electro-dialytic and dialytic treatment of a fly ash containing Cd, Cu and Pb. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1689-1697.	1.5	10
79	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.	1.8	10
80	Sustainability of construction materials: Electro-dialytic technology as a tool for mortars production. <i>Journal of Hazardous Materials</i> , 2019, 363, 421-427.	6.5	10
81	Electrodialytic Hydrogen Production and Critical Raw Materials Recovery from Secondary Resources. <i>Water (Switzerland)</i> , 2020, 12, 1262.	1.2	10
82	Nanoremediation Coupled to Electrokinetics for PCB Removal from Soil. , 2016, , 331-350.		9
83	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.	2.7	8
84	Copper and Chromium Electro-dialytic Migration in CCA-Treated Timber Waste. <i>Water, Air, and Soil Pollution</i> , 2005, 160, 27-39.	1.1	7
85	Electrodialytic 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, 844-851.	0.9	7
86	Combination of inclusive and differential $\overline{\text{t}}$ 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.	1.6	7
87	Effect of mining residues treated with an electro-dialytic technology on cement-based mortars. <i>Cleaner Engineering and Technology</i> , 2020, 1, 100001.	2.1	7
88	Electrokinetic Soil Remediation: An Overview. , 2016, , 3-18.		6
89	Electrodialytic treatment of secondary mining resources for raw materials extraction: Reactor design assessment. <i>Science of the Total Environment</i> , 2021, 752, 141822.	3.9	6
90	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.	3.2	6

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91	Phytoremediation and the Electrokinetic Process: Potential Use for the Phytoremediation of Antimony and Arsenic. , 2015, , 199-209.		6
92	Phosphorus Recovery from a Water Reservoirâ€œPotential of Nanofiltration Coupled to Electrodialytic Process. Waste and Biomass Valorization, 2013, 4, 675-681.	1.8	5
93	Phosphorus recovery from waters using nanofiltration. Desalination and Water Treatment, 0, , 1-8.	1.0	5
94	Remediation of Pharmaceutical and Personal Care Products (PPCPs) in Constructed Wetlands: Applicability and New Perspectives. , 2017, , 277-292.		5
95	Bioremediation of sediments contaminated with polycyclic aromatic hydrocarbons: the technological innovation patented review. International Journal of Environmental Science and Technology, 2022, 19, 5697-5720.	1.8	5
96	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.		5
97	Electrochemical desalination of historic Portuguese tilesâ€œRemoval of chlorides, nitrates and sulfates. Journal of Cultural Heritage, 2015, 16, 712-718.	1.5	4
98	Electrodialytic treatment of sewage sludge: influence on microbiological community. International Journal of Environmental Science and Technology, 2018, 15, 1103-1112.	1.8	4
99	Electrodialytic Arsenic Removal from Bulk and Pre-treated Soil. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	4
100	Electrochemical Treatment of Effluent for the Removal of Contaminants of Emergent Concern and Culturable Microorganisms. Water (Switzerland), 2021, 13, 520.	1.2	4
101	An application of discriminant analysis to pattern recognition of selected contaminated soil features in thin sections. Geoderma, 1997, 76, 253-262.	2.3	3
102	Electro-technologies for the removal of 2,4,6-trichloroanisole from naturally contaminated cork discs: Reactor design and proof of concept. Chemical Engineering Journal, 2019, 361, 80-88.	6.6	3
103	Life Cycle Assessment of Electrodialytic Technologies to Recover Raw Materials from Mine Tailings. Sustainability, 2021, 13, 3915.	1.6	3
104	Optimization of Electric Field Assisted Mining Process Applied to Rare Earths in Soils. Applied Sciences (Switzerland), 2021, 11, 6316.	1.3	3
105	Electrokinetically Enabled De-swelling of Clay. , 2016, , 43-56.		3
106	The Kinetic Parameters Evaluation for the Adsorption Processes at â€œLiquidâ€œSolidâ€œInterface. , 2016, , 81-109.		3
107	Removal of arsenic from toxic ash after combustion of impregnated wood. European Physical Journal Special Topics, 2003, 107, 993-996.	0.2	3
108	Electrodialytic Removal of Cu, Cr and As from Treated Wood. , 2005, , 235-241.		2

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109	Electrokinetics and Zero Valent Iron Nanoparticles: Experimental and Modeling of the Transport in Different Porous Media. , 2016, , 279-294.		2
110	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. Applied Sciences (Switzerland), 2021, 11, 7947.	1.3	2
111	Analysis of Alkylphenols and Phthalates in Vegetables Using SPME and Comprehensive Two-dimensional Gas Chromatography. Current Chromatography, 2018, 5, 65-71.	0.1	1
112	Phytoremediation Coupled to Electrochemical Process for Arsenic Removal from Soil. , 2016, , 313-329.		1
113	Applying Chemometrics to Evaluate Tungsten Mining Residues Potential As Partial Cement Replacement. KnE Engineering, 0, , .	0.1	1
114	Modelling of Electrokinetic Processes in Civil and Environmental Engineering Applications. , 0, , .		1
115	Monitoring pesticides in post-consumer containers by GC/TOFMS and HPLC/DAD after the triple rinse method. International Journal of Environmental Analytical Chemistry, 2024, 104, 867-878.	1.8	1
116	Electrokinetic Removal of Herbicides from Soils. , 0, , 249-264.		0
117	Quantitative Analysis of Endocrine Disruptors by Comprehensive Two-Dimensional Gas Chromatography. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
118	Electrochemical Process for Phosphorus Recovery from Wastewater Treatment Plants. , 2016, , 129-141.		0
119	Removal of Pharmaceutical and Personal Care Products in Aquatic Plant-Based Systems. , 2016, , 351-372.		0
120	Triclosan Detection in Aqueous Environmental Matrices by Thin-Films Sensors. Proceedings (mdpi), 2019, 15, .	0.2	0
121	Application of biregressional designs to electro dialytic removal of heavy metals from contaminated matrices. Discussiones Mathematicae Probability and Statistics, 2010, 30, 123.	0.1	0
122	Life Cycle Assessment of Soil and Groundwater Remediation: Groundwater Impacts of Electrokinetic Remediation. , 2016, , 173-202.		0
123	Electrochemical Process for Phosphorus Recovery from Water Treatment Plants. , 2016, , 113-128.		0
124	Leaching of Cr from wood ash “ discussion based on different extraction procedures. , 2019, , 408-413.		0
125	Extraction of rare earth elements via electric field assisted mining applying deep eutectic solvents. Sustainable Chemistry and Pharmacy, 2022, 26, 100638.	1.6	0