Eduardo Mateus

List of Publications by Year
in descending order

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61 papers	1,348 citations	361413 20 h-index	377865 34 g-index
70 all docs	70 docs citations	70 times ranked	1341 citing authors

#	Article	IF	Citations
1	Biosorption of arsenic(V) with Lessonia nigrescens. Minerals Engineering, 2006, 19, 486-490.	4.3	143
2	Electrodialytic Removal of Cu, Cr, and As from Chromated Copper Arsenate-Treated Timber Waste. Environmental Science & Technology, 2000, 34, 784-788.	10.0	114
3	Removal of organic contaminants from soils by an electrokinetic process: the case of atrazine.. Chemosphere, 2005, 59, 1229-1239.	8.2	105
4	Removal of organic contaminants from soils by an electrokinetic process: The case of molinate and bentazone. Experimental and modeling. Separation and Purification Technology, 2011, 79, 193-203.	7.9	64
5	Electrokinetic remediation of six emerging organic contaminants from soil. Chemosphere, 2014, 117, 124-131.	8.2	59
6	Characterization of the volatile fraction emitted by Pinus spp. by one- and two-dimensional chromatographic techniques with mass spectrometric detection. Journal of Chromatography A, 2010, 1217, 1845-1855.	3.7	39
7	Electrodialytic removal of tungsten and arsenic from secondary mine resources â€" Deep eutectic solvents enhancement. Science of the Total Environment, 2020, 710, 136364.	8.0	38
8	Emerging organic contaminants in wastewater: Understanding electrochemical reactors for triclosan and its by-products degradation. Chemosphere, 2020, 247, 125758.	8.2	37
9	Electrodialytic treatment of sewage sludge: Current intensity influence on phosphorus recovery and organic contaminants removal. Chemical Engineering Journal, 2016, 306, 1058-1066.	12.7	36
10	Characterization of the volatile fraction emitted by phloems of four pinus species by solid-phase microextraction and gas chromatographyâ€"mass spectrometry. Journal of Chromatography A, 2006, 1105, 191-198.	3.7	33
11	Qualitative mass spectrometric analysis of the volatile fraction of creosote-treated railway wood sleepers by using comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2008, 1178, 215-222.	3.7	30
12	Assessment of combined electroâ€"nanoremediation of molinate contaminated soil. Science of the Total Environment, 2014, 493, 178-184.	8.0	30
13	Climate Warming and Past and Present Distribution of the Processionary Moths (Thaumetopoea spp.) in Europe, Asia Minor and North Africa. , 2015, , 81-161.		30
14	Potential of the electrodialytic process for emerging organic contaminants remediation and phosphorus separation from sewage sludge. Electrochimica Acta, 2015, 181, 109-117.	5.2	30
15	Overview of electronic tongue sensing in environmental aqueous matrices: potential for monitoring emerging organic contaminants. Environmental Reviews, 2019, 27, 202-214.	4.5	29
16	Diagnostic analysis of electrodialysis in mine tailing materials. Electrochimica Acta, 2007, 52, 3406-3411.	5.2	27
17	Modeling of electrodialytic and dialytic removal of Cr, Cu and As from CCA-treated wood chips. Chemosphere, 2007, 66, 1716-1726.	8.2	26
18	Electrokinetic remediation of contaminants of emergent concern in clay soil: Effect of operating parameters. Environmental Pollution, 2019, 253, 625-635.	7.5	26

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19	Pine volatiles mediate host selection for oviposition by Thaumetopoea pityocampa (Lep.,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	25
20	Electrodialytic recovery of rare earth elements from coal ashes. Electrochimica Acta, 2020, 359, 136934.	5.2	24
21	Electrically induced displacement transport of immiscible oil in saline sediments. Journal of Hazardous Materials, 2016, 313, 185-192.	12.4	21
22	Emerging organic contaminants in soil irrigated with effluent: electrochemical technology as a remediation strategy. Science of the Total Environment, 2020, 743, 140544.	8.0	20
23	Polyelectrolyte Based Sensors as Key to Achieve Quantitative Electronic Tongues: Detection of Triclosan on Aqueous Environmental Matrices. Nanomaterials, 2020, 10, 640.	4.1	20
24	Effect of different extracting solutions on the electrodialytic remediation of CCA-treated wood waste Part I.. Journal of Hazardous Materials, 2004, 107, 103-113.	12.4	19
25	Insect â€“ Tree Interactions in Thaumetopoea pityocampa. , 2015, , 265-310.		18
26	Differentiation of ten pine species from central portugal by monoterpene enantiomer-selective composition analysis using multidimensional gas chromatography. Chromatographia, 2001, 53, S412-S416.	1.3	17
27	Regressional modeling of electrodialytic removal of Cu, Cr and As from CCA treated timber waste: application to sawdust. Wood Science and Technology, 2005, 39, 291-309.	3.2	16
28	Electrokinetic removal of creosote from treated timber waste: a comprehensive gas chromatographic view. Journal of Applied Electrochemistry, 2010, 40, 1183-1193.	2.9	15
29	Valorisation of ferric sewage sludge ashes: Potential as a phosphorus source. Waste Management, 2016, 52, 193-201.	7.4	15
30	Influence of the cell design in the electroremoval of PPCPs from soil slurry. Chemical Engineering Journal, 2017, 326, 162-168.	12.7	15
31	Irrigation of soil with reclaimed wastewater acts as a buffer of microbial taxonomic and functional biodiversity. Science of the Total Environment, 2022, 802, 149671.	8.0	15
32	Water stress affects Tomicus destruens host pine preference and performance during the shoot feeding phase. Annals of Forest Science, 2010, 67, 608-608.	2.0	14
33	ELECTRODIALYTIC PROCESS OF NANOFILTRATION CONCENTRATES â€“ PHOSPHORUS RECOVERY AND MICROCYSTINS REMOVAL. Electrochimica Acta, 2015, 181, 200-207.	5.2	14
34	Exploring hydrogen production for self-energy generation in electroremediation: A proof of concept. Applied Energy, 2019, 255, 113839.	10.1	14
35	Electronic Tongue Coupled to an Electrochemical Flow Reactor for Emerging Organic Contaminants Real Time Monitoring. Sensors, 2019, 19, 5349.	3.8	14
36	Electrophysiological and behavioural responses of the Eucalyptus weevil, Gonipterus platensis, to host plant volatiles. Journal of Pest Science, 2019, 92, 221-235.	3.7	13

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37	Remediation potential of caffeine, oxybenzone, and triclosan by the salt marsh plants Spartina maritima and Halimione portulacoides. Environmental Science and Pollution Research, 2018, 25, 35928-35935.	5.3	11
38	Electrodialytic 2-compartment cells for emerging organic contaminants removal from effluent. Journal of Hazardous Materials, 2018, 358, 467-474.	12.4	11
39	Electro-bioremediation of a mixture of structurally different contaminants of emerging concern: Uncovering electrokinetic contribution. Journal of Hazardous Materials, 2021, 406, 124304.	12.4	11
40	Experimental and modeling of the electrodialytic and dialytic treatment of a fly ash containing Cd, Cu and Pb. Journal of Applied Electrochemistry, 2010, 40, 1689-1697.	2.9	10
41	Phosphorus Recovery in Sewage Sludge by Electrokinetic Based Technologies: A Multivariate and Circular Economy View. Waste and Biomass Valorization, 2017, 8, 1587-1596.	3.4	10
42	Sustainability of construction materials: Electrodialytic technology as a tool for mortars production. Journal of Hazardous Materials, 2019, 363, 421-427.	12.4	10
43	Identification of pheromone candidates for the eucalyptus weevil, Gonipterus platensis (Coleoptera, Curculionidae). Journal of Applied Entomology, 2020, 144, 41-53.	1.8	10
44	Electrodialytic Hydrogen Production and Critical Raw Materials Recovery from Secondary Resources. Water (Switzerland), 2020, 12, 1262.	2.7	10
45	Comparative assessment of LECA and Spartina maritima to remove emerging organic contaminants from wastewater. Environmental Science and Pollution Research, 2017, 24, 7208-7215.	5.3	8
46	Electrodialytic treatment of secondary mining resources for raw materials extraction: Reactor design assessment. Science of the Total Environment, 2021, 752, 141822.	8.0	6
47	Phosphorus Recovery from a Water Reservoirâ€“Potential of Nanofiltration Coupled to Electrodialytic Process. Waste and Biomass Valorization, 2013, 4, 675-681.	3.4	5
48	Bioremediation of sediments contaminated with polycyclic aromatic hydrocarbons: the technological innovation patented review. International Journal of Environmental Science and Technology, 2022, 19, 5697-5720.	3.5	5
49	Electrodialytic treatment of sewage sludge: influence on microbiological community. International Journal of Environmental Science and Technology, 2018, 15, 1103-1112.	3.5	4
50	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.	12.7	3
51	Life Cycle Assessment of Electrodialytic Technologies to Recover Raw Materials from Mine Tailings. Sustainability, 2021, 13, 3915.	3.2	3
52	Electrokinetically Enabled De-swelling of Clay. , 2016, , 43-56.		3
53	Characterization of the physiological condition ofEucalyptus globulus labil by headspace HRGC analysis of the bouquet of odors. Journal of Separation Science, 1995, 7, 641-645.	1.0	1
54	Olfactory responses of Anaphes nitens (Hymenoptera, Mymaridae) to host and habitat cues. Journal of Applied Entomology, 2021, 145, 675-687.	1.8	1

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55	Unveiling Chemical Cues of Insect-Tree and Insect-Insect Interactions for the Eucalyptus Weevil and Its Egg Parasitoid by Multidimensional Gas Chromatographic Methods. Molecules, 2022, 27, 4042.	3.8	1
56	Electrokinetic Removal of Herbicides from Soils. , 0, , 249-264.		0
57	Electrochemical Process for Phosphorus Recovery from Wastewater Treatment Plants. , 2016, , 129-141.		0
58	Removal of Pharmaceutical and Personal Care Products in Aquatic Plant-Based Systems. , 2016, , 351-372.		0
59	Application of biregressional designs to electrodialytic removal of heavy metals from contaminated matrices. Discussiones Mathematicae Probability and Statistics, 2010, 30, 123.	0.1	0
60	Electrochemical Process for Phosphorus Recovery from Water Treatment Plants. , 2016, , 113-128.		0
61	Extraction of rare earth elements via electric field assisted mining applying deep eutectic solvents. Sustainable Chemistry and Pharmacy, 2022, 26, 100638.	3.3	0