

List of Publications by Year in descending order

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docs citations

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times ranked

1791
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphite felt as a versatile electrode material: Properties, reaction environment, performance and applications. <i>Electrochimica Acta</i> , 2017, 258, 1115-1139.	2.6	171
2	Influence of the anode material on the degradation of naproxen by Fenton-based electrochemical processes. <i>Chemical Engineering Journal</i> , 2016, 304, 817-825.	6.6	120
3	Arsenic and fluoride removal from groundwater by electrocoagulation using a continuous filter-press reactor. <i>Chemosphere</i> , 2016, 144, 2113-2120.	4.2	117
4	Evidence of Fenton-like reaction with active chlorine during the electrocatalytic oxidation of Acid Yellow 36 azo dye with Ir-Sn-Sb oxide anode in the presence of iron ion. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 44-52.	10.8	102
5	Solar photoelectro-Fenton degradation of the antibiotic metronidazole using a flow plant with a Pt/air-diffusion cell and a CPC photoreactor. <i>Electrochimica Acta</i> , 2015, 165, 173-181.	2.6	92
6	Characterization of the reaction environment in flow reactors fitted with BDD electrodes for use in electrochemical advanced oxidation processes: A critical review. <i>Electrochimica Acta</i> , 2020, 331, 135373.	2.6	87
7	The filter-press FM01-LC laboratory flow reactor and its applications. <i>Electrochimica Acta</i> , 2015, 163, 338-354.	2.6	82
8	Simultaneous removal of fluoride and arsenic from groundwater by electrocoagulation using a filter-press flow reactor with a three-cell stack. <i>Separation and Purification Technology</i> , 2019, 208, 208-216.	3.9	80
9	The reaction environment in a filter-press laboratory reactor: the FM01-LC flow cell. <i>Electrochimica Acta</i> , 2015, 161, 436-452.	2.6	74
10	Solar photoelectro-Fenton flow plant modeling for the degradation of the antibiotic erythromycin in sulfate medium. <i>Electrochimica Acta</i> , 2017, 228, 45-56.	2.6	71
11	Arsenic removal from groundwater by electrocoagulation in a pre-pilot-scale continuous filter press reactor. <i>Chemical Engineering Science</i> , 2013, 97, 1-6.	1.9	68
12	Electrochemical incineration of indigo textile dye in filter-press-type FM01-LC electrochemical cell using BDD electrodes. <i>Electrochimica Acta</i> , 2007, 52, 6888-6894.	2.6	66
13	Fluoride removal from drinking water by electrocoagulation in a continuous filter press reactor coupled to a flocculator and clarifier. <i>Separation and Purification Technology</i> , 2014, 134, 163-170.	3.9	63
14	Abatement of the antibiotic levofloxacin in a solar photoelectro-Fenton flow plant: Modeling the dissolved organic carbon concentration-time relationship. <i>Chemosphere</i> , 2018, 198, 174-181.	4.2	62
15	Removal of hydrated silica, fluoride and arsenic from groundwater by electrocoagulation using a continuous reactor with a twelve-cell stack. <i>Chemosphere</i> , 2018, 211, 149-155.	4.2	58
16	Mathematical modeling and simulation of electrochemical reactors: A critical review. <i>Chemical Engineering Science</i> , 2021, 239, 116622.	1.9	58
17	Mass transport studies during dissolved oxygen reduction to hydrogen peroxide in a filter-press electrolyzer using graphite felt, reticulated vitreous carbon and boron-doped diamond as cathodes. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 225-229.	1.9	56
18	Electrosynthesis of hydrogen peroxide in a filter-press flow cell using graphite felt as air-diffusion cathode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 54-58.	1.9	49

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19	Mineralization of Acid Red 1 azo dye by solar photoelectro-Fenton-like process using electrogenerated HClO and photoregenerated Fe(II). <i>Chemosphere</i> , 2020, 246, 125697.	4.2	48
20	Photo-assisted electrochemical production of HClO and Fe ²⁺ as Fenton-like reagents in chloride media for sulfamethoxazole degradation. <i>Separation and Purification Technology</i> , 2020, 250, 117236.	3.9	47
21	Electrochemical incineration of p-cresol and o-cresol in the filter-press-type FM01-LC electrochemical cell using BDD electrodes in sulfate media at pH 0. <i>Electrochimica Acta</i> , 2007, 52, 3229-3235.	2.6	46
22	Removal of fluoride and hydrated silica from underground water by electrocoagulation in a flow channel reactor. <i>Chemosphere</i> , 2020, 244, 125417.	4.2	45
23	Mathematical modeling and simulation of the reaction environment in electrochemical reactors. <i>Current Opinion in Electrochemistry</i> , 2019, 16, 75-82.	2.5	39
24	Ti Ir-Sn-Sb oxide anode: Service life and role of the acid sites content during water oxidation to hydroxyl radicals. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 82-88.	1.9	38
25	Computational fluid dynamics simulations of single-phase flow in a filter-press flow reactor having a stack of three cells. <i>Electrochimica Acta</i> , 2016, 216, 490-498.	2.6	36
26	Mineralization of Methyl Orange azo dye by processes based on H ₂ O ₂ electrogeneration at a 3D-like air-diffusion cathode. <i>Chemosphere</i> , 2020, 259, 127466.	4.2	33
27	Electrocoagulation as an affordable technology for decontamination of drinking water containing fluoride: A critical review. <i>Chemical Engineering Journal</i> , 2021, 413, 127529.	6.6	32
28	Simulation of current distribution along a planar electrode under turbulent flow conditions in a laboratory filter-press flow cell. <i>Electrochimica Acta</i> , 2015, 154, 352-360.	2.6	30
29	Electrochemical reactors equipped with BDD electrodes: Geometrical aspects and applications in water treatment. <i>Current Opinion in Solid State and Materials Science</i> , 2021, 25, 100935.	5.6	29
30	Mineralization of the antibiotic levofloxacin by the electro-peroxone process using a filter-press flow cell with a 3D air-diffusion electrode. <i>Separation and Purification Technology</i> , 2021, 254, 117661.	3.9	28
31	Simulations of Turbulent Flow, Mass Transport, and Tertiary Current Distribution on the Cathode of a Rotating Cylinder Electrode Reactor in Continuous Operation Mode during Silver Deposition. <i>Journal of the Electrochemical Society</i> , 2017, 164, E3345-E3353.	1.3	27
32	Computational fluid dynamic simulations of turbulent flow in a rotating cylinder electrode reactor in continuous mode of operation. <i>Electrochimica Acta</i> , 2016, 194, 338-345.	2.6	26
33	Numerical simulation of the primary, secondary and tertiary current distributions on the cathode of a rotating cylinder electrode cell. Influence of using plates and a concentric cylinder as counter electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 106-112.	1.9	24
34	Simulations of fluid flow, mass transport and current distribution in a parallel plate flow cell during nickel electrodeposition. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114359.	1.9	24
35	Silver recovery from an effluent generated by plating industry using a rotating cylinder electrode (RCE). <i>Electrochimica Acta</i> , 2014, 147, 337-342.	2.6	23
36	Simulations of single-phase flow in an up-flow electrochemical reactor with parallel plate electrodes in a serpentine array. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 31-39.	1.9	23

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37	Simultaneous elimination of hydrated silica, arsenic and phosphates from real groundwater by electrocoagulation using a cascade-shaped up-flow reactor. <i>Electrochimica Acta</i> , 2020, 331, 135365.	2.6	23
38	Arsenic and hydrated silica removal from groundwater by electrocoagulation using an up-flow reactor in a serpentine array. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103353.	3.3	21
39	Degradation of Acid Violet 19 textile dye by electro-peroxone in a laboratory flow plant. <i>Chemosphere</i> , 2021, 271, 129804.	4.2	21
40	Numerical simulation of current distribution along the boron-doped diamond anode of a filter-press-type FM01-LC reactor during the oxidation of water. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 1-6.	1.9	18
41	Electrochemical incineration of indigo. A comparative study between 2D (plate) and 3D (mesh) BDD anodes fitted into a filter-press reactor. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8485-8492.	2.7	18
42	Electrosynthesis of hydrogen peroxide sustained by anodic oxygen evolution in a flow-through reactor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114419.	1.9	18
43	Modelling and simulation of H ₂ -H ₂ O bubbly flow through a stack of three cells in a pre-pilot filter press electrocoagulation reactor. <i>Separation and Purification Technology</i> , 2021, 261, 118235.	3.9	17
44	Abatement of hydrated silica and simultaneous removal of coexisting ions from deep well water by electrocoagulation using an up-flow reactor. <i>Journal of Water Process Engineering</i> , 2019, 32, 100923.	2.6	16
45	Simulation of an interdigitated flow channel assembled in a proton exchange membrane Fuel Cell (PEMFC). <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123026.	2.5	16
46	Electrochemical oxidation of cyanide on 3D Ti/RuO ₂ anode using a filter-press electrolyzer. <i>Chemosphere</i> , 2017, 177, 1-6.	4.2	15
47	Influence of surface chemistry of activated carbon electrodes on electro-assisted adsorption of arsenate. <i>Journal of Hazardous Materials</i> , 2020, 392, 122349.	6.5	15
48	Incineration of the antibiotic chloramphenicol by electro-peroxone using a smart electrolyzer that produces H ₂ O ₂ through electrolytic O ₂ . <i>Separation and Purification Technology</i> , 2022, 282, 120021.	3.9	14
49	Mass transport studies at rotating cylinder electrode: Influence of the inter-electrode gap. <i>Electrochimica Acta</i> , 2010, 55, 3275-3278.	2.6	12
50	Concurrent elimination of arsenic and hydrated silica from natural groundwater by electrocoagulation using iron electrodes. <i>Chemical Engineering Research and Design</i> , 2022, 184, 103-112.	2.7	12
51	Mass transport studies at rotating cylinder electrode during zinc removal from dilute solutions. <i>Electrochimica Acta</i> , 2011, 56, 1455-1459.	2.6	11
52	Abatement of hydrated silica, arsenic, and coexisting ions from groundwater by electrocoagulation using iron electrodes. <i>Chemosphere</i> , 2022, 297, 134144.	4.2	10
53	Electrosynthesis of hypochlorous acid in a filter-press electrolyzer and its modeling in dilute chloride solutions. <i>Journal of Electroanalytical Chemistry</i> , 2021, 892, 115286.	1.9	9
54	Electrochemical combustion of indigo at ternary oxide coated titanium anodes. <i>Journal of Electrochemical Science and Engineering</i> , 2014, 4, .	1.6	8

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55	Cathodic generation of hydrogen peroxide sustained by electrolytic O ₂ in a rotating cylinder electrode (RCE) reactor. <i>Electrochimica Acta</i> , 2022, 404, 139621.	2.6	8
56	Review "Carbon Cloth as a Versatile Electrode: Manufacture, Properties, Reaction Environment, and Applications. <i>Journal of the Electrochemical Society</i> , 2022, 169, 053503.	1.3	8
57	Validation of a Computational Fluid Dynamics Model for a Novel Residence Time Distribution Analysis in Mixing at Cross-Junctions. <i>Water (Switzerland)</i> , 2018, 10, 733.	1.2	7
58	Abatement of As and hydrated silica from natural groundwater by electrocoagulation in a continuous plant having an electrolyzer and a flocculator-settler. <i>Separation and Purification Technology</i> , 2022, 281, 119895.	3.9	7
59	Removal of brilliant green tannery dye by electrocoagulation. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116223.	1.9	6
60	An innovative process combining electrocoagulation and photoelectro-Fenton-like methods during the abatement of Acid Blue 113 dye. <i>Chemical Engineering Research and Design</i> , 2022, 163, 475-486.	2.7	6
61	Electrochemical Incineration of Indigo Textile Dye in Filter-Press-Type FM01-LC Electrochemical Cell Using Mesh-DSA Anode. <i>ECS Transactions</i> , 2008, 15, 395-402.	0.3	5
62	Simulations of a Single-Phase Flow in a Compound Parabolic Concentrator Reactor. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-8.	1.4	4
63	Reactor Design for Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , 2017, , 263-286.	0.2	1
64	Simulation of a vanadium-cerium redox flow battery incorporating graphite felt electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2021, 903, 115847.	1.9	1