Ignasi SirÃ©s

List of Publications by Year
in descending order

133 papers	15,691 citations	20817 60 h-index	16183 124 g-index
134 all docs	134 docs citations	134 times ranked	8312 citing authors

#	Article	IF	Citations
1	Electro-Fenton Process and Related Electrochemical Technologies Based on Fentonâ€™s Reaction Chemistry. Chemical Reviews, 2009, 109, 6570-6631.	47.7	2,755
2	Electrochemical advanced oxidation processes: today and tomorrow. A review. Environmental Science and Pollution Research, 2014, 21, 8336-8367.	5.3	1,521
3	Single and Coupled Electrochemical Processes and Reactors for the Abatement of Organic Water Pollutants: A Critical Review. Chemical Reviews, 2015, 115, 13362-13407.	47.7	1,273
4	Remediation of water pollution caused by pharmaceutical residues based on electrochemical separation and degradation technologies: A review. Environment International, 2012, 40, 212-229.	10.0	835
5	Electrochemical destruction of chlorophenoxy herbicides by anodic oxidation and electro-Fenton using a boron-doped diamond electrode. Electrochimica Acta, 2004, 49, 4487-4496.	5.2	383
6	Electrochemical Treatment of the Antibiotic Sulfachloropyridazine: Kinetics, Reaction Pathways, and Toxicity Evolution. Environmental Science & Technology, 2012, 46, 4074-4082.	10.0	382
7	Catalytic behavior of the Fe3+/Fe2+ system in the electro-Fenton degradation of the antimicrobial chlorophene. Applied Catalysis B: Environmental, 2007, 72, 382-394.	20.2	356
8	Mineralization of paracetamol in aqueous medium by anodic oxidation with a boron-doped diamond electrode. Chemosphere, 2005, 58, 399-406.	8.2	293
9	Electrochemical abatement of the antibiotic sulfamethoxazole from water. Chemosphere, 2010, 81, 594-602.	8.2	225
10	Electro-Fenton degradation of antimicrobials triclosan and triclocarban. Electrochimica Acta, 2007, 52, 5493-5503.	5.2	219
11	Finding the best Fe2+/Cu2+ combination for the solar photoelectro-Fenton treatment of simulated wastewater containing the industrial textile dye Disperse Blue 3. Applied Catalysis B: Environmental, 2012, 115-116, 107-116.	20.2	174
12	Reaction sequence for the mineralization of the short-chain carboxylic acids usually formed upon cleavage of aromatics during electrochemical Fenton treatment. Electrochimica Acta, 2008, 54, 173-182.	5.2	165
13	Electrochemical Degradation of Paracetamol from Water by Catalytic Action of Fe[sup 2+], Cu[sup 2+], and UVA Light on Electrogenerated Hydrogen Peroxide. Journal of the Electrochemical Society, 2006, 153, D1.	2.9	162
14	Comparative depollution of mecoprop aqueous solutions by electrochemical incineration using BDD and PbO2 as high oxidation power anodes. Journal of Electroanalytical Chemistry, 2008, 613, 151-159.	3.8	160
15	Magnetic MIL(Fe)-type MOF-derived N-doped nano-ZVI@C rods as heterogeneous catalyst for the electro-Fenton degradation of gemfibrozil in a complex aqueous matrix. Applied Catalysis B: Environmental, 2020, 266, 118604.	20.2	157
16	Comparative electrochemical degradation of the triphenylmethane dye Methyl Violet with boron-doped diamond and Pt anodes. Journal of Electroanalytical Chemistry, 2009, 627, 41-50.	3.8	148
17	Electrochemical degradation of Î²-blockers. Studies on single and multicomponent synthetic aqueous solutions. Water Research, 2010, 44, 3109-3120.	11.3	146
18	Electrochemical degradation of clofibric acid in water by anodic oxidation. Electrochimica Acta, 2006, 52, 75-85.	5.2	144

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19	Degradation of clofibric acid in acidic aqueous medium by electro-Fenton and photoelectro-Fenton. Chemosphere, 2007, 66, 1660-1669.	8.2	140
20	Two-step mineralization of Tartrazine solutions: Study of parameters and by-products during the coupling of electrocoagulation with electrochemical advanced oxidation processes. Applied Catalysis B: Environmental, 2014, 150-151, 116-125.	20.2	137
21	Effect of anions on electrochemical degradation of azo dye Carmoisine (Acid Red 14) using a BDD anode and air-diffusion cathode. Separation and Purification Technology, 2015, 140, 43-52.	7.9	130
22	Sonoelectro-Fenton process: A novel hybrid technique for the destruction of organic pollutants in water. Journal of Electroanalytical Chemistry, 2008, 624, 329-332.	3.8	126
23	Mineralization of clofibric acid by electrochemical advanced oxidation processes using a boron-doped diamond anode and Fe2+ and UVA light as catalysts. Applied Catalysis B: Environmental, 2007, 72, 373-381.	20.2	125
24	Efficient removal of triphenylmethane dyes from aqueous medium by in situ electrogenerated Fentonâ€™s reagent at carbon-felt cathode. Chemosphere, 2008, 72, 592-600.	8.2	124
25	Electrochemical degradation of the antibiotic sulfachloropyridazine by hydroxyl radicals generated at a BDD anode. Chemosphere, 2013, 91, 1304-1309.	8.2	120
26	Influence of the anode material on the degradation of naproxen by Fenton-based electrochemical processes. Chemical Engineering Journal, 2016, 304, 817-825.	12.7	120
27	A Highly Stable Metalâ€“Organic Framework-Engineered FeS₂/C Nanocatalyst for Heterogeneous Electro-Fenton Treatment: Validation in Wastewater at Mild pH. Environmental Science & Technology, 2020, 54, 4664-4674.	10.0	118
28	Study of the toxicity of sulfamethoxazole and its degradation products in water by a bioluminescence method during application of the electro-Fenton treatment. Analytical and Bioanalytical Chemistry, 2011, 400, 353-360.	3.7	108
29	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. Applied Catalysis B: Environmental, 2017, 206, 44-52.	20.2	102
30	On the selection of the anode material for the electrochemical removal of methylparaben from different aqueous media. Electrochimica Acta, 2016, 222, 1464-1474.	5.2	101
31	The characterisation of PbO2-coated electrodes prepared from aqueous methanesulfonic acid under controlled deposition conditions. Electrochimica Acta, 2010, 55, 2163-2172.	5.2	99
32	Decolorization and mineralization of Orange G azo dye solutions by anodic oxidation with a boron-doped diamond anode in divided and undivided tank reactors. Electrochimica Acta, 2014, 130, 568-576.	5.2	96
33	Solar photoelectro-Fenton treatment of a mixture of parabens spiked into secondary treated wastewater effluent at low input current. Applied Catalysis B: Environmental, 2018, 224, 410-418.	20.2	95
34	Decontamination of Aqueous Glyphosate, (Aminomethyl)phosphonic Acid, and Glufosinate Solutions by Electro-Fenton-like Process with Mn²⁺ as the Catalyst. Journal of Agricultural and Food Chemistry, 2009, 57, 4888-4894.	5.2	89
35	Treatment of olive oil mill wastewater by single electrocoagulation with different electrodes and sequential electrocoagulation/electrochemical Fenton-based processes. Journal of Hazardous Materials, 2018, 347, 58-66.	12.4	88
36	The preparation of PbO2 coatings on reticulated vitreous carbon for the electro-oxidation of organic pollutants. Electrochimica Acta, 2011, 56, 5158-5165.	5.2	87

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37	Electrochemical reduction and oxidation pathways for Reactive Black 5 dye using nickel electrodes in divided and undivided cells. Electrochimica Acta, 2012, 59, 140-149.	5.2	82
38	Treatment of a mixture of food color additives (E122, E124 and E129) in different water matrices by UVA and solar photoelectro-Fenton. Water Research, 2015, 81, 178-187.	11.3	82
39	Complete mineralization of the antibiotic amoxicillin by electro-Fenton with a BDD anode. Journal of Applied Electrochemistry, 2014, 44, 1327-1335.	2.9	81
40	Treatment of antibiotic cephalexin by heterogeneous electrochemical Fenton-based processes using chalcopyrite as sustainable catalyst. Science of the Total Environment, 2020, 740, 140154.	8.0	81
41	Decolorization and mineralization of Allura Red AC aqueous solutions by electrochemical advanced oxidation processes. Journal of Hazardous Materials, 2015, 290, 34-42.	12.4	80
42	Electrochemical reactivity of Ponceau 4R (food additive E124) in different electrolytes and batch cells. Electrochimica Acta, 2015, 173, 523-533.	5.2	79
43	Routes for the electrochemical degradation of the artificial food azo-colour Ponceau 4R by advanced oxidation processes. Applied Catalysis B: Environmental, 2016, 180, 227-236.	20.2	79
44	Effect of electrogenerated hydroxyl radicals, active chlorine and organic matter on the electrochemical inactivation of Pseudomonas aeruginosa using BDD and dimensionally stable anodes. Separation and Purification Technology, 2017, 178, 224-231.	7.9	79
45	Application of electrochemical advanced oxidation to bisphenol A degradation in water. Effect of sulfate and chloride ions. Chemosphere, 2018, 194, 812-820.	8.2	79
46	Chitosan-Derived Nitrogen-Doped Carbon Electrocatalyst for a Sustainable Upgrade of Oxygen Reduction to Hydrogen Peroxide in UV-Assisted Electro-Fenton Water Treatment. ACS Sustainable Chemistry and Engineering, 2020, 8, 14425-14440.	6.7	78
47	The deposition of nanostructured Î²-PbO2 coatings from aqueous methanesulfonic acid for the electrochemical oxidation of organic pollutants. Electrochemistry Communications, 2010, 12, 70-74.	4.7	77
48	Electrochemical Fenton-based treatment of tetracaine in synthetic and urban wastewater using active and non-active anodes. Water Research, 2018, 128, 71-81.	11.3	77
49	Comparative electrochemical treatments of two chlorinated aliphatic hydrocarbons. Time course of the main reaction by-products. Journal of Hazardous Materials, 2011, 192, 1555-1564.	12.4	73
50	Electro-Fenton process at mild pH using Fe(III)-EDDS as soluble catalyst and carbon felt as cathode. Applied Catalysis B: Environmental, 2019, 257, 117907.	20.2	73
51	Enhanced electrocatalytic production of H2O2 at Co-based air-diffusion cathodes for the photoelectro-Fenton treatment of bronopol. Applied Catalysis B: Environmental, 2019, 247, 191-199.	20.2	73
52	Mechanism and stability of an Fe-based 2D MOF during the photoelectro-Fenton treatment of organic micropollutants under UVA and visible light irradiation. Water Research, 2020, 184, 115986.	11.3	73
53	Electrochemical removal of pharmaceuticals from water streams: Reactivity elucidation by mass spectrometry. TrAC - Trends in Analytical Chemistry, 2015, 70, 112-121.	11.4	72
54	Application of anodic oxidation, electro-Fenton and UVA photoelectro-Fenton to decolorize and mineralize acidic solutions of Reactive Yellow 160 azo dye. Electrochimica Acta, 2016, 206, 307-316.	5.2	72

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55	Decolorization and mineralization of Allura Red AC azo dye by solar photoelectro-Fenton: Identification of intermediates. Chemosphere, 2015, 136, 1-8.	8.2	71
56	Solar photoelectro-Fenton flow plant modeling for the degradation of the antibiotic erythromycin in sulfate medium. Electrochimica Acta, 2017, 228, 45-56.	5.2	71
57	Removal of the herbicide amitrole from water by anodic oxidation and electro-Fenton. Environmental Chemistry Letters, 2005, 3, 7-11.	16.2	64
58	Electrochemical process for the treatment of landfill leachate. Journal of Applied Electrochemistry, 2010, 40, 1721-1727.	2.9	64
59	Application of electrochemical advanced oxidation processes to the mineralization of the herbicide diuron. Chemosphere, 2014, 109, 49-55.	8.2	64
60	Treatment of single and mixed pesticide formulations by solar photoelectro-Fenton using a flow plant. Chemical Engineering Journal, 2017, 310, 503-513.	12.7	64
61	Abatement of the antibiotic levofloxacin in a solar photoelectro-Fenton flow plant: Modeling the dissolved organic carbon concentration-time relationship. Chemosphere, 2018, 198, 174-181.	8.2	62
62	Comparative use of anodic oxidation, electro-Fenton and photoelectro-Fenton with Pt or boron-doped diamond anode to decolorize and mineralize Malachite Green oxalate dye. Electrochimica Acta, 2015, 182, 247-256.	5.2	61
63	Upgrading and expanding the electro-Fenton and related processes. Current Opinion in Electrochemistry, 2021, 27, 100686.	4.8	61
64	Fast and complete removal of the 5-fluorouracil drug from water by electro-Fenton oxidation. Environmental Chemistry Letters, 2018, 16, 281-286.	16.2	60
65	Effect of RVC porosity on the performance of PbO2 composite coatings with titanate nanotubes for the electrochemical oxidation of azo dyes. Electrochimica Acta, 2016, 204, 9-17.	5.2	58
66	Inactivation of microbiota from urban wastewater by single and sequential electrocoagulation and electro-Fenton treatments. Water Research, 2017, 126, 450-459.	11.3	58
67	Synthesis of polymer nanogels by electro-Fenton process: investigation of the effect of main operation parameters. Electrochimica Acta, 2017, 246, 812-822.	5.2	57
68	Abatement of the fluorinated antidepressant fluoxetine (Prozac) and its reaction by-products by electrochemical advanced methods. Applied Catalysis B: Environmental, 2017, 203, 189-198.	20.2	57
69	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. Journal of Electroanalytical Chemistry, 2015, 757, 225-229.	3.8	56
70	Anodic oxidation of mecoprop herbicide at lead dioxide. Journal of Applied Electrochemistry, 2008, 38, 923-929.	2.9	55
71	Electrocoagulation: Simply a Phase Separation Technology? The Case of Bronopol Compared to Its Treatment by EAOPs. Environmental Science & Technology, 2016, 50, 7679-7686.	10.0	53
72	On-site H2O2 electrogeneration at a CoS2-based air-diffusion cathode for the electrochemical degradation of organic pollutants. Journal of Electroanalytical Chemistry, 2018, 808, 364-371.	3.8	53

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73	Advanced oxidation of real sulfamethoxazoleÂ+ trimethoprim formulations using different anodes and electrolytes. Chemosphere, 2018, 192, 225-233.	8.2	50
74	Expanding the application of photoelectro-Fenton treatment to urban wastewater using the Fe(III)-EDDS complex. Water Research, 2020, 169, 115219.	11.3	50
75	Degradation of trans-ferulic acid in acidic aqueous medium by anodic oxidation, electro-Fenton and photoelectro-Fenton. Journal of Hazardous Materials, 2016, 319, 3-12.	12.4	49
76	Electrosynthesis of hydrogen peroxide in a filter-press flow cell using graphite felt as air-diffusion cathode. Journal of Electroanalytical Chemistry, 2018, 812, 54-58.	3.8	49
77	Total removal of alachlor from water by electrochemical processes. Separation and Purification Technology, 2014, 132, 674-683.	7.9	48
78	Crosslinking of poly(vinylpyrrolidone) activated by electrogenerated hydroxyl radicals: A first step towards a simple and cheap synthetic route of nanogel vectors. Electrochemistry Communications, 2016, 62, 64-68.	4.7	48
79	Mineralization of Acid Red 1 azo dye by solar photoelectro-Fenton-like process using electrogenerated HClO and photoregenerated Fe(II). Chemosphere, 2020, 246, 125697.	8.2	48
80	4-Hydroxyphenylacetic acid oxidation in sulfate and real olive oil mill wastewater by electrochemical advanced processes with a boron-doped diamond anode. Journal of Hazardous Materials, 2017, 321, 566-575.	12.4	47
81	Simultaneous persulfate activation by electrogenerated H2O2 and anodic oxidation at a boron-doped diamond anode for the treatment of dye solutions. Science of the Total Environment, 2020, 747, 141541.	8.0	47
82	Treatment of cheese whey wastewater by combined electrochemical processes. Journal of Applied Electrochemistry, 2018, 48, 1307-1319.	2.9	44
83	Preparation of IrO2-Ta2O5 | Ti electrodes by immersion, painting and electrophoretic deposition for the electrochemical removal of hydrocarbons from water. Journal of Hazardous Materials, 2016, 319, 102-110.	12.4	43
84	Electrochemical processes in macro and microfluidic cells for the abatement of chloroacetic acid from water. Electrochimica Acta, 2014, 132, 15-24.	5.2	42
85	Decolorization of Methyl Orange Dye at IrO₂â€SnO₂â€Sb₂O₅ Coated Titanium Anodes. Chemical Engineering and Technology, 2013, 36, 123-129.	1.5	41
86	The ability of electrochemical oxidation with a BDD anode to inactivate Gram-negative and Gram-positive bacteria in low conductivity sulfate medium. Chemosphere, 2016, 163, 516-524.	8.2	41
87	IrO2-Ta2O5 | Ti electrodes prepared by electrodeposition from different Ir:Ta ratios for the degradation of polycyclic aromatic hydrocarbons. Electrochimica Acta, 2018, 263, 353-361.	5.2	41
88	Sequential electrochemical treatment of dairy wastewater using aluminum and DSA-type anodes. Environmental Science and Pollution Research, 2014, 21, 8573-8584.	5.3	40
89	Microwave-assisted sol-gel synthesis of an Au-TiO2 photoanode for the advanced oxidation of paracetamol as model pharmaceutical pollutant. Electrochemistry Communications, 2018, 96, 42-46.	4.7	38
90	Photoelectro-Fenton as post-treatment for electrocoagulated benzophenone-3-loaded synthetic and urban wastewater. Journal of Cleaner Production, 2019, 208, 1393-1402.	9.3	38

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91	A comprehensive study on the electrochemical advanced oxidation of antihypertensive captopril in different cells and aqueous matrices. Applied Catalysis B: Environmental, 2020, 277, 119240.	20.2	38
92	H2O2 production at gas-diffusion cathodes made from agarose-derived carbons with different textural properties for acebutolol degradation in chloride media. Journal of Hazardous Materials, 2022, 423, 127005.	12.4	38
93	Electrochemical oxidation of anesthetic tetracaine in aqueous medium. Influence of the anode and matrix composition. Chemical Engineering Journal, 2017, 326, 811-819.	12.7	37
94	Degradation of the insecticide propoxur by electrochemical advanced oxidation processes using a boron-doped diamond/air-diffusion cell. Environmental Science and Pollution Research, 2017, 24, 6083-6095.	5.3	36
95	Paracetamol Mineralization by Advanced Electrochemical Oxidation Processes for Wastewater Treatment. Environmental Chemistry, 2004, 1, 26.	1.5	35
96	Removal of tyrosol from water by adsorption on carbonaceous materials and electrochemical advanced oxidation processes. Chemosphere, 2018, 201, 807-815.	8.2	35
97	Mineralization of Methyl Orange azo dye by processes based on H2O2 electrogeneration at a 3D-like air-diffusion cathode. Chemosphere, 2020, 259, 127466.	8.2	33
98	Influence of electrolysis conditions on the treatment of herbicide bentazon using artificial UVA radiation and sunlight. Identification of oxidation products. Journal of Environmental Management, 2019, 231, 213-221.	7.8	32
99	Photoelectrocatalytic inactivation of Pseudomonas aeruginosa using an Ag-decorated TiO2 photoanode. Separation and Purification Technology, 2019, 208, 83-91.	7.9	32
100	In-situ dosage of Fe2+ catalyst using natural pyrite for thiamphenicol mineralization by photoelectro-Fenton process. Journal of Environmental Management, 2020, 270, 110835.	7.8	32
101	On the performance of electrocatalytic anodes for photoelectro-Fenton treatment of synthetic solutions and real water spiked with the herbicide chloramben. Journal of Environmental Management, 2018, 224, 340-349.	7.8	31
102	Degradation of 4-aminoantipyrine by electro-oxidation with a boron-doped diamond anode: Optimization by central composite design, oxidation products and toxicity. Science of the Total Environment, 2018, 631-632, 1079-1088.	8.0	29
103	Ensuring the overall combustion of herbicide metribuzin by electrochemical advanced oxidation processes. Study of operation variables, kinetics and degradation routes. Separation and Purification Technology, 2019, 211, 637-645.	7.9	29
104	Paired electro-oxidation of insecticide imidacloprid and electrodenitrification in simulated and real water matrices. Electrochimica Acta, 2019, 317, 753-765.	5.2	28
105	Corrosion behavior of pure titanium anodes in saline medium and their performance for humic acid removal by electrocoagulation. Chemosphere, 2020, 246, 125674.	8.2	28
106	Removal of metals and phosphorus recovery from urban anaerobically digested sludge by electro-Fenton treatment. Science of the Total Environment, 2018, 644, 173-182.	8.0	27
107	On the positive effect of UVC light during the removal of benzothiazoles by photoelectro-Fenton with UVA light. Applied Catalysis B: Environmental, 2019, 259, 118127.	20.2	27
108	Influence of chelation on the Fenton-based electrochemical degradation of herbicide tebuthiuron. Chemosphere, 2018, 199, 709-717.	8.2	25

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109	UV-C light-enhanced photo-Fenton oxidation of methyl parathion. Environmental Chemistry Letters, 2009, 7, 261-265.	16.2	24
110	Removal of 4-hydroxyphenylacetic acid from aqueous medium by electrochemical oxidation with a BDD anode: Mineralization, kinetics and oxidation products. Journal of Electroanalytical Chemistry, 2017, 793, 58-65.	3.8	24
111	A first preâ€pilot system for the combined treatment of dye pollutants by electrocoagulation/<scp>EAOPs</scp>. Journal of Chemical Technology and Biotechnology, 2014, 89, 1136-1144.	3.2	21
112	Assessment of IrO 2 -Ta 2 O 5 |Ti electrodes for the electrokinetic treatment of hydrocarbon-contaminated soil using different electrode arrays. Electrochimica Acta, 2016, 208, 282-287.	5.2	21
113	Facile crosslinking of poly(vinylpyrrolidone) by electro-oxidation with IrO2-based anode under potentiostatic conditions. Journal of Applied Electrochemistry, 2018, 48, 1343-1352.	2.9	21
114	Blue LED light-driven photoelectrocatalytic removal of naproxen from water: Kinetics and primary by-products. Journal of Electroanalytical Chemistry, 2020, 867, 114192.	3.8	19
115	Electrochemical incineration of indigo. A comparative study between 2D (plate) and 3D (mesh) BDD anodes fitted into a filter-press reactor. Environmental Science and Pollution Research, 2014, 21, 8485-8492.	5.3	18
116	Treatment of cellulose bleaching effluents and their filtration permeates by anodic oxidation with <scp>H₂O₂</scp> production. Journal of Chemical Technology and Biotechnology, 2015, 90, 2017-2026.	3.2	18
117	Groundwater Treatment using a Solid Polymer Electrolyte Cell with Mesh Electrodes. ChemElectroChem, 2019, 6, 1235-1243.	3.4	17
118	Antituberculosis drug isoniazid degraded by electro-Fenton and photoelectro-Fenton processes using a boron-doped diamond anode and a carbon-PTFE air-diffusion cathode. Environmental Science and Pollution Research, 2019, 26, 4415-4425.	5.3	17
119	Treatment of a Mixture of Chloromethoxyphenols in Hypochlorite Medium by Electrochemical AOPs as an Alternative for the Remediation of Pulp and Paper Mill Process Waters. Electrocatalysis, 2013, 4, 212-223.	3.0	16
120	Influence of ruthenium doping on UV- and visible-light photoelectrocatalytic color removal from dye solutions using a TiO2 nanotube array photoanode. Chemosphere, 2021, 267, 128925.	8.2	15
121	Electrochemical treatment of butylated hydroxyanisole: Electrocoagulation versus advanced oxidation. Separation and Purification Technology, 2019, 208, 19-26.	7.9	14
122	Evidence of cathodic peroxydisulfate activation via electrochemical reduction at Fe(II) sites of magnetite-decorated porous carbon: Application to dye degradation in water. Journal of Electroanalytical Chemistry, 2021, 902, 115807.	3.8	12
123	Electrochemical destruction of trans-cinnamic acid by advanced oxidation processes: kinetics, mineralization, and degradation route. Environmental Science and Pollution Research, 2017, 24, 6071-6082.	5.3	10
124	Twisted intramolecular charge transfer in a carbazole-based chromophore: the stable [(4-N-carbazolyl)-2,3,5,6-tetrachlorophenyl]bis(2,3,5,6-tetrachlorophenyl)methyl radical. New Journal of Chemistry, 2017, 41, 8422-8430.	2.8	10
125	Bipolar charge transport in organic electron donorâ€acceptor systems with stable organic radicals as electronâ€withdrawing moieties. Journal of Physical Organic Chemistry, 2019, 32, e3974.	1.9	10
126	Electrochemical study of self-assembled cysteine monolayers on polycrystalline gold electrodes and functionalization with microperoxidase MP-11. Journal of Applied Electrochemistry, 2009, 39, 2275-2284.	2.9	9

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127	Photoelectro-Fenton treatment of pesticide triclopyr at neutral pH using Fe(III)â€“EDDS under UVA light or sunlight. Environmental Science and Pollution Research, 2021, 28, 23833-23848.	5.3	9
128	Cathodic generation of hydrogen peroxide sustained by electrolytic O2 in a rotating cylinder electrode (RCE) reactor. Electrochimica Acta, 2022, 404, 139621.	5.2	8
129	Assessment of 4â€Aminoantipyrine Degradation and Mineralization by Photoelectroâ€Fenton with a Boronâ€Doped Diamond Anode: Optimization, Treatment in Municipal Secondary Effluent, and Toxicity. ChemElectroChem, 2019, 6, 865-875.	3.4	6
130	Use of Both Anode and Cathode Reactions in Wastewater Treatment. , 2010, , 515-552.		5
131	Formation of Sulfonyl Aromatic Alcohols by Electrolysis of a Bisazo Reactive Dye. Molecules, 2012, 17, 14377-14392.	3.8	5
132	Introduction. Journal of Hazardous Materials, 2016, 319, 1-2.	12.4	3
133	New electrochemical processes for the environmental sustainability. Chemosphere, 2020, 257, 127188.	8.2	1