

Enric Brillas

List of Publications by Year in descending order

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324
papers

35,000
citations

3264

94
h-index

4741

175
g-index

339
all docs

339
docs citations

339
times ranked

17397
citing authors

#	ARTICLE	IF	CITATIONS
1	H ₂ O ₂ production at gas-diffusion cathodes made from agarose-derived carbons with different textural properties for acebutolol degradation in chloride media. <i>Journal of Hazardous Materials</i> , 2022, 423, 127005.	6.5	38
2	A critical review on ibuprofen removal from synthetic waters, natural waters, and real wastewaters by advanced oxidation processes. <i>Chemosphere</i> , 2022, 286, 131849.	4.2	89
3	Fenton, photo-Fenton, electro-Fenton, and their combined treatments for the removal of insecticides from waters and soils. A review. <i>Separation and Purification Technology</i> , 2022, 284, 120290.	3.9	69
4	A critical review on paracetamol removal from different aqueous matrices by Fenton and Fenton-based processes, and their combined methods. <i>Chemosphere</i> , 2022, 303, 134883.	4.2	31
5	Removal of bisphenol A from acidic sulfate medium and urban wastewater using persulfate activated with electrogenerated Fe ²⁺ . <i>Chemosphere</i> , 2021, 263, 128271.	4.2	35
6	Biomimicry designs for photoelectrochemical systems: Strategies to improve light delivery efficiency. <i>Current Opinion in Electrochemistry</i> , 2021, 26, 100660.	2.5	12
7	Photoelectro-Fenton treatment of pesticide triclopyr at neutral pH using Fe(III)-EDDS under UVA light or sunlight. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23833-23848.	2.7	9
8	Recent development of electrochemical advanced oxidation of herbicides. A review on its application to wastewater treatment and soil remediation. <i>Journal of Cleaner Production</i> , 2021, 290, 125841.	4.6	121
9	Mass transfer and residence time distribution in an electrochemical cell with an air-diffusion electrode: Effect of air pressure and mesh promoters. <i>Electrochimica Acta</i> , 2021, 378, 138131.	2.6	8
10	Testing PtCu Nanoparticles Supported on Highly Ordered Mesoporous Carbons CMK3 and CMK8 as Catalysts for Low-Temperature Fuel Cells. <i>Catalysts</i> , 2021, 11, 724.	1.6	10
11	Upgrading and expanding the electro-Fenton and related processes. <i>Current Opinion in Electrochemistry</i> , 2021, 27, 100686.	2.5	61
12	Paired electrochemical removal of nitrate and terbuthylazine pesticide from groundwater using mesh electrodes. <i>Electrochimica Acta</i> , 2021, 383, 138354.	2.6	11
13	The Pathway towards Photoelectrocatalytic Water Disinfection: Review and Prospects of a Powerful Sustainable Tool. <i>Catalysts</i> , 2021, 11, 921.	1.6	11
14	A critical review over the electrochemical disinfection of bacteria in synthetic and real wastewaters using a boron-doped diamond anode. <i>Current Opinion in Solid State and Materials Science</i> , 2021, 25, 100926.	5.6	76
15	Expanding the application of photoelectro-Fenton treatment to urban wastewater using the Fe(III)-EDDS complex. <i>Water Research</i> , 2020, 169, 115219.	5.3	50
16	A stable CoSP/MWCNTs air-diffusion cathode for the photoelectro-Fenton degradation of organic pollutants at pre-pilot scale. <i>Chemical Engineering Journal</i> , 2020, 379, 122417.	6.6	43
17	Vermiculite as heterogeneous catalyst in electrochemical Fenton-based processes: Application to the oxidation of Ponceau SS dye. <i>Chemosphere</i> , 2020, 240, 124838.	4.2	50
18	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. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118604.	10.8	157

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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	ZnO/TiO ₂ /Ag ₂ Se nanostructures as photoelectrocatalysts for the degradation of oxytetracycline in water. <i>Electrochimica Acta</i> , 2020, 331, 135194.	2.6	46
21	Contribution of cathodic hydroxyl radical generation to the enhancement of electro-oxidation process for water decontamination. <i>Electrochimica Acta</i> , 2020, 331, 135382.	2.6	34
22	Benchmarking recent advances and innovative technology approaches of Fenton, photo-Fenton, electro-Fenton, and related processes: A review on the relevance of phenol as model molecule. <i>Separation and Purification Technology</i> , 2020, 237, 116337.	3.9	238
23	Synthesis and characterization of Sb ₂ O ₅ -doped Ti/SnO ₂ -IrO ₂ anodes toward efficient degradation tannery dyes by in situ generated oxidizing species. <i>Electrochimica Acta</i> , 2020, 358, 136904.	2.6	21
24	Simultaneous persulfate activation by electrogenerated H ₂ O ₂ and anodic oxidation at a boron-doped diamond anode for the treatment of dye solutions. <i>Science of the Total Environment</i> , 2020, 747, 141541.	3.9	47
25	Chitosan-Derived Nitrogen-Doped Carbon Electrocatalyst for a Sustainable Upgrade of Oxygen Reduction to Hydrogen Peroxide in UV-Assisted Electro-Fenton Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14425-14440.	3.2	78
26	Synthesis and Evaluation of PtNi Electrocatalysts for CO and Methanol Oxidation in Low Temperature Fuel Cells. <i>Catalysts</i> , 2020, 10, 563.	1.6	4
27	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
28	A comprehensive study on the electrochemical advanced oxidation of antihypertensive captopril in different cells and aqueous matrices. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119240.	10.8	38
29	The use of artificial intelligence models in the prediction of optimum operational conditions for the treatment of dye wastewaters with similar structural characteristics. <i>Chemical Engineering Research and Design</i> , 2020, 143, 36-44.	2.7	35
30	In-situ dosage of Fe ²⁺ catalyst using natural pyrite for thiamphenicol mineralization by photoelectro-Fenton process. <i>Journal of Environmental Management</i> , 2020, 270, 110835.	3.8	32
31	Electrochemical advanced oxidation discoloration and removal of three brown diazo dyes used in the tannery industry. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114360.	1.9	47
32	Treatment of antibiotic cephalixin by heterogeneous electrochemical Fenton-based processes using chalcopyrite as sustainable catalyst. <i>Science of the Total Environment</i> , 2020, 740, 140154.	3.9	81
33	Electrochemical performance of carbon-supported Pt(Cu) electrocatalysts for low-temperature fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20582-20593.	3.8	28
34	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
35	Mechanism and stability of an Fe-based 2D MOF during the photoelectro-Fenton treatment of organic micropollutants under UVA and visible light irradiation. <i>Water Research</i> , 2020, 184, 115986.	5.3	73
36	A review on the photoelectro-Fenton process as efficient electrochemical advanced oxidation for wastewater remediation. Treatment with UV light, sunlight, and coupling with conventional and other photo-assisted advanced technologies. <i>Chemosphere</i> , 2020, 250, 126198.	4.2	287

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37	A Highly Stable Metal-Organic Framework-Engineered FeS ₂ /C Nanocatalyst for Heterogeneous Electro-Fenton Treatment: Validation in Wastewater at Mild pH. <i>Environmental Science & Technology</i> , 2020, 54, 4664-4674.	4.6	118
38	Blue LED light-driven photoelectrocatalytic removal of naproxen from water: Kinetics and primary by-products. <i>Journal of Electroanalytical Chemistry</i> , 2020, 867, 114192.	1.9	19
39	The Use of Nanomaterials in Electro-Fenton and Photoelectro-Fenton Processes. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 257-288.	0.2	1
40	Electrochemical treatment of butylated hydroxyanisole: Electrocoagulation versus advanced oxidation. <i>Separation and Purification Technology</i> , 2019, 208, 19-26.	3.9	14
41	Formation of a stable biradical triplet state cation versus a closed shell singlet state cation by oxidation of adducts of 3,6-dimethoxycarbazole and polychlorotriphenylmethyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20225-20231.	1.3	3
42	Trends in Synthetic Diamond for Electrochemical Applications. <i>ChemElectroChem</i> , 2019, 6, 4330-4331.	1.7	2
43	A ceramic electrode of ZrO ₂ -Y ₂ O ₃ for the generation of oxidant species in anodic oxidation. Assessment of the treatment of Acid Blue 29 dye in sulfate and chloride media. <i>Separation and Purification Technology</i> , 2019, 228, 115747.	3.9	38
44	Electro-Fenton process at mild pH using Fe(III)-EDDS as soluble catalyst and carbon felt as cathode. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117907.	10.8	73
45	On the positive effect of UVC light during the removal of benzothiazoles by photoelectro-Fenton with UVA light. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118127.	10.8	27
46	Removal of the drug procaine from acidic aqueous solutions using a flow reactor with a boron-doped diamond anode. <i>Separation and Purification Technology</i> , 2019, 216, 65-73.	3.9	23
47	Bipolar charge transport in organic electron donor-acceptor systems with stable organic radicals as electron-withdrawing moieties. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3974.	0.9	10
48	Paired electro-oxidation of insecticide imidacloprid and electrodenitrification in simulated and real water matrices. <i>Electrochimica Acta</i> , 2019, 317, 753-765.	2.6	28
49	TiO ₂ /Au/TiO ₂ multilayer thin-film photoanodes synthesized by pulsed laser deposition for photoelectrochemical degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2019, 224, 189-198.	3.9	53
50	A hybrid photoelectrocatalytic/photoelectro-Fenton treatment of Indigo Carmine in acidic aqueous solution using TiO ₂ nanotube arrays as photoanode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113088.	1.9	30
51	Groundwater Treatment using a Solid Polymer Electrolyte Cell with Mesh Electrodes. <i>ChemElectroChem</i> , 2019, 6, 1235-1243.	1.7	17
52	Advantages of electro-Fenton over electrocoagulation for disinfection of dairy wastewater. <i>Chemical Engineering Journal</i> , 2019, 376, 119975.	6.6	40
53	Assessment of 4-Aminoantipyrene Degradation and Mineralization by Photoelectro-Fenton with a Boron-Doped Diamond Anode: Optimization, Treatment in Municipal Secondary Effluent, and Toxicity. <i>ChemElectroChem</i> , 2019, 6, 865-875.	1.7	6
54	Enhanced electrocatalytic production of H ₂ O ₂ at Co-based air-diffusion cathodes for the photoelectro-Fenton treatment of bronopol. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 191-199.	10.8	73

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55	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.	3.9	29
56	Photoelectro-Fenton as post-treatment for electrocoagulated benzophenone-3-loaded synthetic and urban wastewater. Journal of Cleaner Production, 2019, 208, 1393-1402.	4.6	38
57	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.	3.8	32
58	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.	2.7	17
59	Photoelectrocatalytic inactivation of Pseudomonas aeruginosa using an Ag-decorated TiO ₂ photoanode. Separation and Purification Technology, 2019, 208, 83-91.	3.9	32
60	Removal of tyrosol from water by adsorption on carbonaceous materials and electrochemical advanced oxidation processes. Chemosphere, 2018, 201, 807-815.	4.2	35
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.	4.2	62
62	Use of Pt and Boron-Doped Diamond Anodes in the Electrochemical Advanced Oxidation of Ponceau SS Diazo Dye in Acidic Sulfate Medium. ChemElectroChem, 2018, 5, 685-693.	1.7	40
63	Influence of chelation on the Fenton-based electrochemical degradation of herbicide tebuthiuron. Chemosphere, 2018, 199, 709-717.	4.2	25
64	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.	6.5	88
65	IrO ₂ -Ta ₂ O ₅ Ti electrodes prepared by electrodeposition from different Ir:Ta ratios for the degradation of polycyclic aromatic hydrocarbons. Electrochimica Acta, 2018, 263, 353-361.	2.6	41
66	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.	3.9	29
67	Electrochemical advanced oxidation of carbofuran in aqueous sulfate and/or chloride media using a flow cell with a RuO ₂ -based anode and an air-diffusion cathode at pre-pilot scale. Chemical Engineering Journal, 2018, 335, 133-144.	6.6	64
68	Electrochemical Fenton-based treatment of tetracaine in synthetic and urban wastewater using active and non-active anodes. Water Research, 2018, 128, 71-81.	5.3	77
69	Degradation of herbicide S-metolachlor by electrochemical AOPs using a boron-doped diamond anode. Catalysis Today, 2018, 313, 182-188.	2.2	37
70	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.	10.8	95
71	Advanced oxidation of real sulfamethoxazole + trimethoprim formulations using different anodes and electrolytes. Chemosphere, 2018, 192, 225-233.	4.2	50
72	On-site H ₂ O ₂ electrogeneration at a CoS ₂ -based air-diffusion cathode for the electrochemical degradation of organic pollutants. Journal of Electroanalytical Chemistry, 2018, 808, 364-371.	1.9	53

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73	Application of electrochemical advanced oxidation to bisphenol A degradation in water. Effect of sulfate and chloride ions. <i>Chemosphere</i> , 2018, 194, 812-820.	4.2	79
74	Production of free radicals by the Co ²⁺ /Oxone system to carry out diclofenac degradation in aqueous medium. <i>Water Science and Technology</i> , 2018, 78, 2131-2140.	1.2	11
75	Microwave-assisted sol-gel synthesis of an Au-TiO ₂ photoanode for the advanced oxidation of paracetamol as model pharmaceutical pollutant. <i>Electrochemistry Communications</i> , 2018, 96, 42-46.	2.3	38
76	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
77	Treatment of cheese whey wastewater by combined electrochemical processes. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1307-1319.	1.5	44
78	Total mineralization of mixtures of Tartrazine, Ponceau SS and Direct Blue 71 azo dyes by solar photoelectro-Fenton in pre-pilot plant. <i>Chemosphere</i> , 2018, 210, 1137-1144.	4.2	54
79	On the performance of electrocatalytic anodes for photoelectro-Fenton treatment of synthetic solutions and real water spiked with the herbicide chloramben. <i>Journal of Environmental Management</i> , 2018, 224, 340-349.	3.8	31
80	Removal of metals and phosphorus recovery from urban anaerobically digested sludge by electro-Fenton treatment. <i>Science of the Total Environment</i> , 2018, 644, 173-182.	3.9	27
81	Hybrid and Sequential Chemical and Electrochemical Processes for Water Decontamination. , 2018, , 267-304.		4
82	Electrochemical destruction of trans-cinnamic acid by advanced oxidation processes: kinetics, mineralization, and degradation route. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6071-6082.	2.7	10
83	Treatment of single and mixed pesticide formulations by solar photoelectro-Fenton using a flow plant. <i>Chemical Engineering Journal</i> , 2017, 310, 503-513.	6.6	64
84	Degradation of the insecticide propoxur by electrochemical advanced oxidation processes using a boron-doped diamond/air-diffusion cell. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6083-6095.	2.7	36
85	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
86	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
87	Effect of electrogenerated hydroxyl radicals, active chlorine and organic matter on the electrochemical inactivation of <i>Pseudomonas aeruginosa</i> using BDD and dimensionally stable anodes. <i>Separation and Purification Technology</i> , 2017, 178, 224-231.	3.9	79
88	Kinetics of oxidative degradation/mineralization pathways of the antibiotic tetracycline by the novel heterogeneous electro-Fenton process with solid catalyst chalcopyrite. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 637-647.	10.8	278
89	Applied photoelectrocatalysis on the degradation of organic pollutants in wastewaters. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 31, 1-35.	5.6	571
90	Electrochemical oxidation of anesthetic tetracaine in aqueous medium. Influence of the anode and matrix composition. <i>Chemical Engineering Journal</i> , 2017, 326, 811-819.	6.6	37

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91	Comparative electrochemical oxidation of methyl orange azo dye using Ti/Ir-Pb, Ti/Ir-Sn, Ti/Ru-Pb, Ti/Pt-Pd and Ti/RuO ₂ anodes. <i>Electrochimica Acta</i> , 2017, 244, 199-208.	2.6	64
92	Enhanced degradation of the antibiotic tetracycline by heterogeneous electro-Fenton with pyrite catalysis. <i>Environmental Chemistry Letters</i> , 2017, 15, 689-693.	8.3	70
93	Electro-Fenton Process: Fundamentals and Reactivity. <i>Handbook of Environmental Chemistry</i> , 2017, , 1-28.	0.2	10
94	Inactivation of microbiota from urban wastewater by single and sequential electrocoagulation and electro-Fenton treatments. <i>Water Research</i> , 2017, 126, 450-459.	5.3	58
95	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. <i>New Journal of Chemistry</i> , 2017, 41, 8422-8430.	1.4	10
96	Abatement of the fluorinated antidepressant fluoxetine (Prozac) and its reaction by-products by electrochemical advanced methods. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 189-198.	10.8	57
97	Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 217-261.	10.8	1,579
98	Removal of 4-hydroxyphenylacetic acid from aqueous medium by electrochemical oxidation with a BDD anode: Mineralization, kinetics and oxidation products. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 58-65.	1.9	24
99	4-Hydroxyphenylacetic acid oxidation in sulfate and real olive oil mill wastewater by electrochemical advanced processes with a boron-doped diamond anode. <i>Journal of Hazardous Materials</i> , 2017, 321, 566-575.	6.5	47
100	Effects of the Electrodeposition Time in the Synthesis of Carbon-Supported Pt(Cu) and Pt-Ru(Cu) Core-Shell Electrocatalysts for Polymer Electrolyte Fuel Cells. <i>Catalysts</i> , 2016, 6, 125.	1.6	6
101	Comparative electrochemical degradation of salicylic and aminosalicic acids: Influence of functional groups on decay kinetics and mineralization. <i>Chemosphere</i> , 2016, 154, 171-178.	4.2	16
102	Influence of atmospheric plasma spraying on the solar photoelectro-catalytic properties of TiO ₂ coatings. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 151-159.	10.8	70
103	Application of anodic oxidation, electro-Fenton and UVA photoelectro-Fenton to decolorize and mineralize acidic solutions of Reactive Yellow 160 azo dye. <i>Electrochimica Acta</i> , 2016, 206, 307-316.	2.6	72
104	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
105	Fluidized-bed Fenton process as alternative wastewater treatment technology – A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 211-225.	2.7	124
106	Tertiary treatment of a municipal wastewater toward pharmaceuticals removal by chemical and electrochemical advanced oxidation processes. <i>Water Research</i> , 2016, 105, 251-263.	5.3	115
107	The ability of electrochemical oxidation with a BDD anode to inactivate Gram-negative and Gram-positive bacteria in low conductivity sulfate medium. <i>Chemosphere</i> , 2016, 163, 516-524.	4.2	41
108	On the selection of the anode material for the electrochemical removal of methylparaben from different aqueous media. <i>Electrochimica Acta</i> , 2016, 222, 1464-1474.	2.6	101

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109	Solar Photoelectro-Fenton Degradation of Acid Orange 7 Azo Dye in a Solar Flow Plant: Optimization by Response Surface Methodology. <i>Water Conservation Science and Engineering</i> , 2016, 1, 83-94.	0.9	10
110	Electrocoagulation: Simply a Phase Separation Technology? The Case of Bronopol Compared to Its Treatment by EAOPs. <i>Environmental Science & Technology</i> , 2016, 50, 7679-7686.	4.6	53
111	Incineration of acidic aqueous solutions of dopamine by electrochemical advanced oxidation processes with Pt and BDD anodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 189-197.	1.9	20
112	Effective removal of Orange-G azo dye from water by electro-Fenton and photoelectro-Fenton processes using a boron-doped diamond anode. <i>Separation and Purification Technology</i> , 2016, 160, 145-151.	3.9	34
113	Degradation of trans-ferulic acid in acidic aqueous medium by anodic oxidation, electro-Fenton and photoelectro-Fenton. <i>Journal of Hazardous Materials</i> , 2016, 319, 3-12.	6.5	49
114	Anodic oxidation, electro-Fenton and photoelectro-Fenton degradations of pyridinium- and imidazolium-based ionic liquids in waters using a BDD/air-diffusion cell. <i>Electrochimica Acta</i> , 2016, 198, 268-279.	2.6	54
115	Advanced oxidation treatment of malachite green dye using a low cost carbon-felt air-diffusion cathode. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2066-2075.	3.3	59
116	Application of electrochemical advanced oxidation processes with a boron-doped diamond anode to degrade acidic solutions of Reactive Blue 15 (Turquoise Blue) dye. <i>Electrochimica Acta</i> , 2016, 197, 210-220.	2.6	56
117	Pyrite as a sustainable catalyst in electro-Fenton process for improving oxidation of sulfamethazine. Kinetics, mechanism and toxicity assessment. <i>Water Research</i> , 2016, 94, 52-61.	5.3	244
118	Use of a carbon felt-iron oxide air-diffusion cathode for the mineralization of Malachite Green dye by heterogeneous electro-Fenton and UVA photoelectro-Fenton processes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 767, 40-48.	1.9	61
119	Salicylic acid degradation by advanced oxidation processes. Coupling of solar photoelectro-Fenton and solar heterogeneous photocatalysis. <i>Journal of Hazardous Materials</i> , 2016, 319, 34-42.	6.5	74
120	Effect of the Fe ³⁺ /Cu ²⁺ ratio on the removal of the recalcitrant oxalic and oxamic acids by electro-Fenton and solar photoelectro-Fenton. <i>Solar Energy</i> , 2016, 124, 242-253.	2.9	63
121	Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 161-171.	10.8	66
122	Combustion of textile monoazo, diazo and triazo dyes by solar photoelectro-Fenton: Decolorization, kinetics and degradation routes. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 681-691.	10.8	97
123	Routes for the electrochemical degradation of the artificial food azo-colour Ponceau 4R by advanced oxidation processes. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 227-236.	10.8	79
124	Electrochemical Oxidation of the Carbon Support to Synthesize Pt(Cu) and Pt-Ru(Cu) Core-Shell Electrocatalysts for Low-Temperature Fuel Cells. <i>Catalysts</i> , 2015, 5, 815-837.	1.6	16
125	Electrochemical reactivity of Ponceau 4R (food additive E124) in different electrolytes and batch cells. <i>Electrochimica Acta</i> , 2015, 173, 523-533.	2.6	79
126	Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. <i>Water Research</i> , 2015, 81, 375-387.	5.3	103

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127	Treatment of a mixture of food color additives (E122, E124 and E129) in different water matrices by UVA and solar photoelectro-Fenton. <i>Water Research</i> , 2015, 81, 178-187.	5.3	82
128	Electrochemical removal of pharmaceuticals from water streams: Reactivity elucidation by mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 70, 112-121.	5.8	72
129	Degradation of acidic aqueous solutions of the diazo dye Congo Red by photo-assisted electrochemical processes based on Fenton's reaction chemistry. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 559-571.	10.8	102
130	Degradation of tyrosol by a novel electro-Fenton process using pyrite as heterogeneous source of iron catalyst. <i>Water Research</i> , 2015, 74, 77-87.	5.3	202
131	Decolorization and mineralization of Allura Red AC aqueous solutions by electrochemical advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2015, 290, 34-42.	6.5	80
132	Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. <i>Water Research</i> , 2015, 75, 95-108.	5.3	68
133	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
134	Electrochemical incineration of the antibiotic ciprofloxacin in sulfate medium and synthetic urine matrix. <i>Water Research</i> , 2015, 83, 31-41.	5.3	159
135	Degradation of Evans Blue diazo dye by electrochemical processes based on Fenton's reaction chemistry. <i>Journal of Electroanalytical Chemistry</i> , 2015, 747, 1-11.	1.9	66
136	Electro-Fenton and solar photoelectro-Fenton treatments of the pharmaceutical ranitidine in pre-pilot flow plant scale. <i>Separation and Purification Technology</i> , 2015, 146, 127-135.	3.9	104
137	Decolorization and mineralization of Allura Red AC azo dye by solar photoelectro-Fenton: Identification of intermediates. <i>Chemosphere</i> , 2015, 136, 1-8.	4.2	71
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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