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List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

836
citations

394421

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552781

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g-index

26
all docs

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docs citations

26
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the water hardness on the performance of electro-Fenton approach: Decolorization and mineralization of Eriochrome Black T. <i>Electrochimica Acta</i> , 2016, 208, 156-163.	5.2	64
2	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.	8.2	54
3	Electrochemical measurements and theoretical studies for understanding the behavior of catechol, resorcinol and hydroquinone on the boron doped diamond surface. <i>RSC Advances</i> , 2018, 8, 3483-3492.	3.6	51
4	Vermiculite as heterogeneous catalyst in electrochemical Fenton-based processes: Application to the oxidation of Ponceau SS dye. <i>Chemosphere</i> , 2020, 240, 124838.	8.2	50
5	Effect of anodic materials on solar photoelectro-Fenton process using a diazo dye as a model contaminant. <i>Chemosphere</i> , 2019, 225, 880-889.	8.2	48
6	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.	8.0	47
7	Recent advances in electrochemical water technologies for the treatment of antibiotics: A short review. <i>Current Opinion in Electrochemistry</i> , 2021, 26, 100674.	4.8	42
8	Use of Pt and Boron-Doped Diamond Anodes in the Electrochemical Advanced Oxidation of Ponceau SS Diazo Dye in Acidic Sulfate Medium. <i>ChemElectroChem</i> , 2018, 5, 685-693.	3.4	40
9	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.	7.9	38
10	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.	20.2	38
11	Solar photocatalytic application of NbO ₂ ·OH as alternative photocatalyst for water treatment. <i>Science of the Total Environment</i> , 2017, 596-597, 79-86.	8.0	37
12	Electrochemical advanced oxidation processes as decentralized water treatment technologies to remediate domestic washing machine effluents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7002-7011.	5.3	37
13	Removal of bisphenol A from acidic sulfate medium and urban wastewater using persulfate activated with electrogenerated Fe ²⁺ . <i>Chemosphere</i> , 2021, 263, 128271.	8.2	35
14	Electrochemical oxidation of ciprofloxacin in different aqueous matrices using synthesized boron-doped micro and nano-diamond anodes. <i>Environmental Research</i> , 2022, 204, 112027.	7.5	34
15	Niobium Oxide Catalysts as Emerging Material for Textile Wastewater Reuse: Photocatalytic Decolorization of Azo Dyes. <i>Catalysts</i> , 2019, 9, 1070.	3.5	33
16	Low Pd loadings onto Printex L6: Synthesis, characterization and performance towards H ₂ O ₂ generation for electrochemical water treatment technologies. <i>Chemosphere</i> , 2020, 259, 127523.	8.2	31
17	Treatment of Tebuthiuron in synthetic and real wastewater using electrochemical flow-by reactor. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114978.	3.8	28
18	Effect of electrochemically-driven technologies on the treatment of endocrine disruptors in synthetic and real urban wastewater. <i>Electrochimica Acta</i> , 2021, 376, 138034.	5.2	28

#	ARTICLE	IF	CITATIONS
19	Electrochemical Technologies for Detecting and Degrading Benzoquinone Using Diamond Films. ChemElectroChem, 2019, 6, 4383-4390.	3.4	24
20	Iron mining wastes collected from Mariana disaster: Reuse and application as catalyst in a heterogeneous electro-Fenton process. Journal of Electroanalytical Chemistry, 2019, 848, 113330.	3.8	19
21	Sustainable microwave-assisted hydrothermal synthesis of carbon-supported ZrO ₂ nanoparticles for H ₂ O ₂ electrogeneration. Materials Chemistry and Physics, 2021, 267, 124575.	4.0	18
22	Cysteic Acid-Modified Glassy Carbon Electrode for Monitoring Oxalic Acid (OA) Concentration During Its Electrochemical Oxidation at Ti/Pt Anode. Electroanalysis, 2014, 26, 748-755.	2.9	15
23	Theoretical and experimental study of the influence of cationic Eriochrome complexes on the BDD anodic oxidation of Eriochrome Black T solutions. Electrochemistry Communications, 2020, 112, 106668.	4.7	13
24	Highly porous seeding-free boron-doped ultrananocrystalline diamond used as high-performance anode for electrochemical removal of carbaryl from water. Chemosphere, 2022, 305, 135497.	8.2	7
25	Fe/SBA-15: Characterization and its application to a heterogeneous solar photo-Fenton process in order to decolorize and mineralize an azo dye. Materials Letters: X, 2020, 5, 100034.	0.7	4
26	Use of Combined Electrochemical Approaches for Mineralization and Detection of Hydroquinone Using PbO ₂ Electrodes. Journal of the Mexican Chemical Society, 2017, 58, .	0.6	1