

# Emilio Rosales

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

2,908  
citations

159358

30  
h-index

168136

53  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous adsorption studies of pharmaceuticals in multicomponent mixtures by agroforestry biochar. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106977.	3.3	20
2	Bridging the gap to hydrochar production and its application into frameworks of bioenergy, environmental and biocatalysis areas. <i>Bioresource Technology</i> , 2021, 320, 124399.	4.8	33
3	Electro-Fenton degradation of a ternary pharmaceutical mixture and its application in the regeneration of spent biochar. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115135.	1.9	19
4	Prospects on integrated electrokinetic systems for decontamination of soil polluted with organic contaminants. <i>Current Opinion in Electrochemistry</i> , 2021, 27, 100692.	2.5	10
5	Electro-reversible adsorption as a versatile tool for the removal of diclofenac from wastewater. <i>Chemosphere</i> , 2021, 280, 130778.	4.2	19
6	Heterogeneous Electro-Fenton-like Designs for the Disposal of 2-Phenylphenol from Water. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12103.	1.3	7
7	Prompt removal of antibiotic by adsorption/electro-Fenton degradation using an iron-doped perlite as heterogeneous catalyst. <i>Chemical Engineering Research and Design</i> , 2020, 144, 100-110.	2.7	29
8	Unravelling the Environmental Application of Biochar as Low-Cost Biosorbent: A Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7810.	1.3	44
9	Removal of sulfamethoxazole and methylparaben using hydrocolloid and fiber industry wastes: Comparison with biochar and laccase-biocomposite. <i>Journal of Cleaner Production</i> , 2020, 271, 122436.	4.6	26
10	Pre-concentration by natural adsorbent as plausible tool for effective electro-Fenton removal of micropollutants. <i>Separation and Purification Technology</i> , 2020, 241, 116676.	3.9	4
11	Environmental application of monolithic carbonaceous aerogels for the removal of emerging pollutants. <i>Chemosphere</i> , 2020, 248, 125995.	4.2	14
12	Iron-doped cathodes for electro-Fenton implementation: Application for pymetrozine degradation. <i>Electrochimica Acta</i> , 2020, 338, 135768.	2.6	34
13	Synthesis and use of efficient adsorbents under the principles of circular economy: Waste valorisation and electroadvanced oxidation process regeneration. <i>Separation and Purification Technology</i> , 2020, 242, 116796.	3.9	38
14	Performance of Electro-Fenton Water Treatment Technology in Decreasing Zebrafish Embryotoxicity Elicited by a Mixture of Organic Contaminants. <i>Advances in Science, Technology and Innovation</i> , 2020, , 243-246.	0.2	0
15	Fluoxetine and Pirimicarb Abatement by Ecofriendly Electro-Fenton Process. <i>Advances in Science, Technology and Innovation</i> , 2020, , 117-120.	0.2	0
16	Sustainable Removal of Cr(VI) by Lime Peel and Pineapple Core Wastes. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1967.	1.3	15
17	Homogeneous and heterogeneous peroxymonosulfate activation by transition metals for the degradation of industrial leather dye. <i>Journal of Cleaner Production</i> , 2019, 228, 222-230.	4.6	82
18	Comprehensive strategy for the degradation of anti-inflammatory drug diclofenac by different advanced oxidation processes. <i>Separation and Purification Technology</i> , 2019, 208, 130-141.	3.9	40

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19	Current advances and trends in electro-Fenton process using heterogeneous catalysts – A review. <i>Chemosphere</i> , 2018, 201, 399-416.	4.2	270
20	Electro-Fenton process for implementation of acid black liquor waste treatment. <i>Science of the Total Environment</i> , 2018, 635, 397-404.	3.9	23
21	Heterogeneous electro-Fenton as plausible technology for the degradation of imidazolium-based ionic liquids. <i>Chemosphere</i> , 2018, 199, 68-75.	4.2	23
22	Kaolinite adsorption-regeneration system for dyestuff treatment by Fenton based processes. <i>Science of the Total Environment</i> , 2018, 622-623, 556-562.	3.9	46
23	Solid-State Fermentation for Food Applications. , 2018, , 319-355.		10
24	Evaluation of different cathodes and reaction parameters on the enhancement of the electro-Fenton process. <i>Journal of Electroanalytical Chemistry</i> , 2018, 808, 455-463.	1.9	29
25	Highly active based iron-carbonaceous cathodes for heterogeneous electro-Fenton process: Application to degradation of parabens. <i>Chemical Engineering Research and Design</i> , 2018, 117, 363-371.	2.7	21
26	Towards sustainable removal of methylthionium chloride by using adsorption-electroradical regeneration. <i>Chemosphere</i> , 2018, 210, 476-485.	4.2	5
27	Electroanalytical techniques applied to monitoring the electro-Fenton degradation of aromatic imidazolium-based ionic liquids. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1331-1341.	1.5	12
28	Soil flushing and simultaneous degradation of organic pollutants in soils by electrokinetic-Fenton treatment. <i>Chemical Engineering Research and Design</i> , 2017, 108, 99-107.	2.7	28
29	Heterogeneous electro-Fenton using natural pyrite as solid catalyst for oxidative degradation of vanillic acid. <i>Journal of Electroanalytical Chemistry</i> , 2017, 797, 69-77.	1.9	62
30	Challenges and recent advances in biochar as low-cost biosorbent: From batch assays to continuous-flow systems. <i>Bioresource Technology</i> , 2017, 246, 176-192.	4.8	192
31	Electrokinetic oxidant soil flushing: A solution for in situ remediation of hydrocarbons polluted soils. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 1-8.	1.9	39
32	p-Nitrophenol degradation by electro-Fenton process: Pathway, kinetic model and optimization using central composite design. <i>Chemosphere</i> , 2017, 185, 726-736.	4.2	65
33	Assessment of LED-assisted electro-Fenton reactor for the treatment of winery wastewater. <i>Chemical Engineering Journal</i> , 2017, 310, 399-406.	6.6	30
34	Electrokinetic-Fenton technology for the remediation of hydrocarbons historically polluted sites. <i>Chemosphere</i> , 2016, 156, 347-356.	4.2	33
35	<i>Bacillus thuringiensis</i> a promising bacterium for degrading emerging pollutants. <i>Chemical Engineering Research and Design</i> , 2016, 101, 19-26.	2.7	51
36	Grapefruit peelings as a promising biosorbent for the removal of leather dyes and hexavalent chromium. <i>Chemical Engineering Research and Design</i> , 2016, 101, 61-71.	2.7	71

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37	Optimization of two-chamber photo electro Fenton reactor for the treatment of winery wastewater. <i>Chemical Engineering Research and Design</i> , 2016, 101, 72-79.	2.7	18
38	Preliminary testing and design of permeable bioreactive barrier for phenanthrene degradation by <i>Pseudomonas stutzeri</i> CECT 930 immobilized in hydrogel matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 500-506.	1.6	23
39	Enhanced selective metal adsorption on optimised agroforestry waste mixtures. <i>Bioresource Technology</i> , 2015, 182, 41-49.	4.8	49
40	Scale-up of removal process using a remediating-bacterium isolated from marine coastal sediment. <i>RSC Advances</i> , 2015, 5, 36665-36672.	1.7	5
41	Degradation of organic pollutants by heterogeneous electro-Fenton process using Mn-alginate composite. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1439-1447.	1.6	30
42	Electro-osmotic transport of nano zero-valent iron in Boom Clay. <i>Electrochimica Acta</i> , 2014, 127, 27-33.	2.6	9
43	Optimisation of decolourisation and degradation of Reactive Black 5 dye under electro-Fenton process using Fe alginate gel beads. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2172-2183.	2.7	41
44	Electro-Fenton decolourisation of dyes in an airlift continuous reactor using iron alginate beads. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2252-2261.	2.7	28
45	Remediation of contaminated marine sediment using electrokinetic Fenton technology. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 932-937.	2.9	66
46	Feasibility of Solid State Fermentation Using Spent Fungi Substrate in the Biodegradation of PAHs. <i>Clean - Soil, Air, Water</i> , 2013, 41, 610-615.	0.7	29
47	Advances in the Electro-Fenton Process for Remediation of Recalcitrant Organic Compounds. <i>Chemical Engineering and Technology</i> , 2012, 35, 609-617.	0.9	100
48	Application of central composite face-centered design and response surface methodology for the optimization of electro-Fenton decolorization of Azure B dye. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1738-1746.	2.7	68
49	Isolation of novel benzo[a]anthracene-degrading microorganisms and continuous bioremediation in an expanded-bed bioreactor. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 851-855.	1.7	21
50	Application of zeolite- <i>Arthrobacter viscosus</i> system for the removal of heavy metal and dye: Chromium and Azure B. <i>Desalination</i> , 2012, 284, 150-156.	4.0	69
51	Decolourisation of dyes under electro-Fenton process using Fe alginate gel beads. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 369-377.	6.5	122
52	Chromium (VI) Ion Adsorption Features of Chitosan Film and Its Chitosan/Zeolite Conjugate 13X Film. <i>Molecules</i> , 2011, 16, 3569-3579.	1.7	50
53	Comparative efficiencies of the decolourisation of leather dyes by enzymatic and electrochemical treatments. <i>Desalination</i> , 2011, 278, 312-317.	4.0	27
54	Hybrid Technologies for the Remediation of Diesel Fuel Polluted Soil. <i>Chemical Engineering and Technology</i> , 2011, 34, 2077-2082.	0.9	27

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55	Decontamination of soils containing PAHs by electroremediation: A review. <i>Journal of Hazardous Materials</i> , 2010, 177, 1-11.	6.5	184
56	Influence of operational parameters on electro-Fenton degradation of organic pollutants from soil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 1104-1110.	0.9	21
57	Electro-Fenton decoloration of dyes in a continuous reactor: A promising technology in colored wastewater treatment. <i>Chemical Engineering Journal</i> , 2009, 155, 62-67.	6.6	147
58	Increased laccase production by <i>Trametes hirsuta</i> grown on ground orange peelings. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1286-1290.	1.6	87
59	Decolourization of synthetic dyes by <i>Trametes hirsuta</i> in expanded-bed reactors. <i>Chemosphere</i> , 2006, 62, 1558-1563.	4.2	40
60	Reutilisation of food processing wastes for production of relevant metabolites: application to laccase production by <i>Trametes hirsuta</i> . <i>Journal of Food Engineering</i> , 2005, 66, 419-423.	2.7	48
61	Exploitation of a waste from the brewing industry for laccase production by two <i>Trametes</i> species. <i>Journal of Food Engineering</i> , 2004, 64, 423-428.	2.7	52
62	New uses of food waste: application to laccase production by <i>Trametes hirsuta</i> . <i>Biotechnology Letters</i> , 2002, 24, 701-704.	1.1	68
63	Green zero-valent iron nanoparticles synthesized using herbal extracts for degradation of dyes from wastewater. , 0, 92, 159-167.		7