

# Javier Silva-Agreedo

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,645  
citations

257450

24  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the removal of an anionic dye in textile wastewaters by adsorption on ZnCl <sub>2</sub> activated carbons from rice and coffee husk wastes: A combined experimental and theoretical study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105685.	6.7	68
2	Understanding the Role of Complexation of Fluoroquinolone and $\beta$ -Lactam Antibiotics with Iron (III) on the Photodegradation under Solar Light and UVC Light. <i>Water (Switzerland)</i> , 2021, 13, 2603.	2.7	5
3	Superior selectivity of high-frequency ultrasound toward chlorine containing-pharmaceuticals elimination in urine: A comparative study with other oxidation processes through the elucidation of the degradation pathways. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105814.	8.2	6
4	Dataset on the degradation of losartan by TiO <sub>2</sub> -photocatalysis and UVC/persulfate processes. <i>Data in Brief</i> , 2020, 31, 105692.	1.0	8
5	Degradation of ampicillin antibiotic by electrochemical processes: evaluation of antimicrobial activity of treated water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4404-4414.	5.3	27
6	Selective removal of acetaminophen in urine with activated carbons from rice ( <i>Oryza sativa</i> ) and coffee ( <i>Coffea arabica</i> ) husk: Effect of activating agent, activation temperature and analysis of physical-chemical interactions. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103318.	6.7	37
7	Effective elimination of fifteen relevant pharmaceuticals in hospital wastewater from Colombia by combination of a biological system with a sonochemical process. <i>Science of the Total Environment</i> , 2019, 670, 623-632.	8.0	88
8	Kinetics, Isotherms and Thermodynamic Modeling of Liquid Phase Adsorption of Crystal Violet Dye onto Shrimp-Waste in Its Raw, Pyrolyzed Material and Activated Charcoals. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5337.	2.5	28
9	Removal of norfloxacin in deionized, municipal water and urine using rice ( <i>Oryza sativa</i> ) and coffee ( <i>Coffea arabica</i> ) husk wastes as natural adsorbents. <i>Journal of Environmental Management</i> , 2018, 213, 98-108.	7.8	46
10	The effect of different operational parameters on the electrooxidation of indigo carmine on Ti/IrO <sub>2</sub> -SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3010-3017.	6.7	35
11	Effective removal of the antibiotic Nafcillin from water by combining the Photoelectro-Fenton process and Anaerobic Biological Digestion. <i>Science of the Total Environment</i> , 2018, 624, 1095-1105.	8.0	43
12	Removal of $\beta$ -lactam antibiotics from pharmaceutical wastewaters using photo-Fenton process at near-neutral pH. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20293-20303.	5.3	33
13	Removal of antibiotic cloxacillin by means of electrochemical oxidation, TiO <sub>2</sub> photocatalysis, and photo-Fenton processes: analysis of degradation pathways and effect of the water matrix on the elimination of antimicrobial activity. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6339-6352.	5.3	55
14	Electrochemical advanced oxidation processes for <i>Staphylococcus aureus</i> disinfection in municipal WWTP effluents. <i>Journal of Environmental Management</i> , 2017, 198, 256-265.	7.8	35
15	Comparative Evaluation of Photo-Chemical AOPs for Ciprofloxacin Degradation: Elimination in Natural Waters and Analysis of pH Effect, Primary Degradation By-Products, and the Relationship with the Antibiotic Activity. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	23
16	Degradation of highly consumed fluoroquinolones, penicillins and cephalosporins in distilled water and simulated hospital wastewater by UV254 and UV254/persulfate processes. <i>Water Research</i> , 2017, 122, 128-138.	11.3	125
17	Selecting the best AOP for isoxazolyl penicillins degradation as a function of water characteristics: Effects of pH, chemical nature of additives and pollutant concentration. <i>Journal of Environmental Management</i> , 2017, 190, 72-79.	7.8	36
18	Role of sulfate, chloride, and nitrate anions on the degradation of fluoroquinolone antibiotics by photoelectro-Fenton. <i>Environmental Science and Pollution Research</i> , 2017, 24, 28175-28189.	5.3	30

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19	Elimination of the antibiotic norfloxacin in municipal wastewater, urine and seawater by electrochemical oxidation on IrO <sub>2</sub> anodes. <i>Science of the Total Environment</i> , 2017, 575, 1228-1238.	8.0	127
20	High frequency ultrasound as a selective advanced oxidation process to remove penicillinic antibiotics and eliminate its antimicrobial activity from water. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 276-283.	8.2	102
21	Role of humic substances in the degradation pathways and residual antibacterial activity during the photodecomposition of the antibiotic ciprofloxacin in water. <i>Water Research</i> , 2016, 94, 1-9.	11.3	121
22	Comparative study of the effect of pharmaceutical additives on the elimination of antibiotic activity during the treatment of oxacillin in water by the photo-Fenton, TiO <sub>2</sub> -photocatalysis and electrochemical processes. <i>Science of the Total Environment</i> , 2016, 541, 1431-1438.	8.0	75
23	Comparison of route, mechanism and extent of treatment for the degradation of a $\beta$ -lactam antibiotic by TiO <sub>2</sub> photocatalysis, sonochemistry, electrochemistry and the photo-Fenton system. <i>Chemical Engineering Journal</i> , 2016, 284, 953-962.	12.7	81
24	Sonochemical degradation of the pharmaceutical fluoxetine: Effect of parameters, organic and inorganic additives and combination with a biological system. <i>Science of the Total Environment</i> , 2015, 524-525, 354-360.	8.0	80
25	Evaluation of water matrix effects, experimental parameters, and the degradation pathway during the TiO <sub>2</sub> photocatalytic treatment of the antibiotic dicloxacillin. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 40-48.	1.7	32
26	Enhancement and inhibition effects of water matrices during the sonochemical degradation of the antibiotic dicloxacillin. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 211-219.	8.2	77
27	Ultrasonic degradation of acetaminophen in water: Effect of sonochemical parameters and water matrix. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1763-1769.	8.2	107
28	Comparative degradation of indigo carmine by electrochemical oxidation and advanced oxidation processes. <i>Electrochimica Acta</i> , 2014, 140, 427-433.	5.2	89
29	Studies directed to the synthesis of new C-5 spiroannulated julolidines. <i>Tetrahedron</i> , 2002, 58, 8719-8727.	1.9	13
30	Synthesis and spectral data of unknown lilolidine spiro derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 675-679.	2.6	13