Joaquin R Dominguez

List of Publications by Citations

66 papers	1,874 citations	27 h-index	41 g-index
73 ext. papers	2,054 ext. citations	5.8 avg, IF	4.73 L-index

#	Paper	IF	Citations
66	Kinetic model for phenolic compound oxidation by Fenton's reagent. *Chemosphere*, **2001**, 45, 85-90	8.4	115
65	Removal of common pharmaceuticals present in surface waters by Amberlite XAD-7 acrylic-ester-resin: Influence of pH and presence of other drugs. *Desalination*, **2011**, 269, 231-238	10.3	106
64	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO2/UV radiation: comparison and modelling of reaction kinetic. *Journal of Hazardous Materials*, **2001**, 83, 255-64	12.8	100
63	Vis and UV photocatalytic detoxification methods (using TiO2, TiO2/H2O2, TiO2/O3, TiO2/S2O82−, O3, H2O2, S2O82−, Fe3+/H2O2 and Fe3+/H2O2/C2O42−) for dyes treatment. *Catalysis Today*, **2005**, 101, 389-395	5.3	97
62	On the use of carbon blacks as potential low-cost adsorbents for the removal of non-steroidal anti-inflammatory drugs from river water. *Journal of Hazardous Materials*, **2010**, 177, 1046-53	12.8	94
61	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. *Water Research*, **2000**, 34, 3515-3522	12.5	67
60	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. *Chemosphere*, **2001**, 42, 351-9	8.4	67
59	Degradation of olive mill wastewater by the combination of Fenton's reagent and ozonation processes with an aerobic biological treatment. *Water Science and Technology*, **2001**, 44, 103-108	2.2	61
58	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. *Water Research*, **2001**, 35, 1077-85	12.5	52
57	Mesophilic anaerobic digestion in a fluidised-bed reactor of wastewater from the production of protein isolates from chickpea flour. *Process Biochemistry*, **2004**, 39, 1913-1921	4.8	49
56	Development and optimization of the BDD-electrochemical oxidation of the antibiotic trimethoprim in aqueous solution. *Desalination*, **2011**, 280, 197-202	10.3	48
55	Anodic oxidation of ketoprofen on boron-doped diamond (BDD) electrodes. Role of operative parameters. *Chemical Engineering Journal*, **2010**, 162, 1012-1018	14.7	45
54	Integrated Fenton's reagent-coagulation/flocculation process for the treatment of cork processing wastewaters. *Journal of Hazardous Materials*, **2004**, 107, 115-21	12.8	45
53	Evaluation of Ferric Chloride as a Coagulant for Cork Processing Wastewaters. Influence of the Operating Conditions on the Removal of Organic Matter and Settleability Parameters. *Industrial & Engineering Chemistry Research*, **2005**, 44, 6539-6548	3.9	43
52	Electrochemical Degradation of a Real Pharmaceutical Effluent. *Water, Air, and Soil Pollution*, **2012**, 223, 2685-2694	2.6	42
51	Fenton + Fenton-like Integrated Process for Carbamazepine Degradation: Optimizing the System. *Industrial & Engineering Chemistry Research*, **2012**, 51, 2531-2538	3.9	41
50	Combined treatment of olive mill wastewater by Fenton's reagent and anaerobic biological process. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2015**, 50, 161-8	2.3	39

49	Electrochemical Advanced Oxidation of Carbamazepine on Boron-Doped Diamond Anodes. Influence of Operating Variables. *Industrial & Engineering Chemistry Research*, **2010**, 49, 8353-8359	3.9	39
48	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. *Process Biochemistry*, **2000**, 35, 1183-1190	4.8	39
47	Treatment of cork process wastewater by a successive chemical-physical method. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 4501-7	5.7	37
46	Winery wastewater treatment by sulphate radical based-advanced oxidation processes (SR-AOP): Thermally vs UV-assisted persulphate activation. *Chemical Engineering Research and Design*, **2019**, 122, 94-101	5.5	37
45	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. *Applied Surface Science*, **2006**, 252, 6031-6035	6.7	35
44	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: removal of organic matter. *Journal of Hazardous Materials*, **2007**, 148, 15-21	12.8	34
43	Removal of chlorophenols in aqueous solution by carbon black low-cost adsorbents. Equilibrium study and influence of operation conditions. *Journal of Hazardous Materials*, **2009**, 169, 302-8	12.8	31
42	Advanced oxidation of cork-processing wastewater using Fenton's reagent: kinetics and stoichiometry. *Journal of Chemical Technology and Biotechnology*, **2004**, 79, 407-412	3.5	31
41	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. *Journal of Hazardous Materials*, **2000**, 73, 161-78	12.8	30
40	Degradation of Parabens in Different Aqueous Matrices by Several O3-Derived Advanced Oxidation Processes. *Industrial & Engineering Chemistry Research*, **2016**, 55, 5161-5172	3.9	30
39	Physico-chemical treatment for the depuration of wine distillery wastewaters (vinasses). *Water Science and Technology*, **2005**, 51, 159-166	2.2	27
38	Conductive-diamond electrochemical advanced oxidation of naproxen in aqueous solution: optimizing the process. *Journal of Chemical Technology and Biotechnology*, **2011**, 86, 121-127	3.5	25
37	Fenton advanced oxidation of emerging pollutants: parabens. *International Journal of Energy and Environmental Engineering*, **2014**, 5, 1	4	23
36	Degradation of wine distillery wastewaters by the combination of aerobic biological treatment with chemical oxidation by Fenton's reagent. *Water Science and Technology*, **2005**, 51, 167-174	2.2	22
35	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. *Industrial & Engineering Chemistry Research*, **2012**, 51, 50-57	3.9	21
34	Aluminium sulfate as coagulant for highly polluted cork processing wastewater: Evaluation of settleability parameters and design of a clarifier-thickener unit. *Journal of Hazardous Materials*, **2007**, 148, 6-14	12.8	21
33	Removal of Carbamazepine, Naproxen, and Trimethoprim from Water by Amberlite XAD-7: A Kinetic Study. *Clean - Soil, Air, Water*, **2013**, 41, 1052-1061	1.6	20
32	Kinetics of the Oxidation of p-Hydroxybenzoic Acid by the H2O2/UV System. *Industrial & Engineering Chemistry Research*, **2001**, 40, 3104-3108	3.9	20

31	Advanced Photochemical Degradation of Emerging Pollutants: Methylparaben. *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	19
30	Technetium-99m as a tracer for the liquid RTD measurement in opaque anaerobic digester: application in a sugar wastewater treatment plant. *Chemical Engineering and Processing: Process Intensification*, **2003**, 42, 857-865	3.7	17
29	Aerobic treatment of black olive wastewater and the effect of an ozonation stage. *Bioprocess and Biosystems Engineering*, **1999**, 20, 355		17
28	Neonicotinoids removal by associated binary, tertiary and quaternary advanced oxidation processes: Synergistic effects, kinetics and mineralization. *Journal of Environmental Management*, **2020**, 261, 110156	7.9	16
27	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. *Journal of Chemical Technology and Biotechnology*, **2000**, 75, 561-568	3.5	16
26	Parabens abatement from surface waters by electrochemical advanced oxidation with boron doped diamond anodes. *Environmental Science and Pollution Research*, **2016**, 23, 20315-20330	5.1	16
25	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. *Desalination*, **2010**, 252, 167-171	10.3	15
24	Cork processing wastewaters treatment by an ozonization/ultrafiltration integrated process. *Desalination*, **2006**, 191, 148-152	10.3	13
23	Kinetic models of an anaerobic bioreactor for restoring wastewater generated by industrial chickpea protein production. *International Biodeterioration and Biodegradation*, **2006**, 57, 114-120	4.8	12
22	Ultraviolet-Photoassisted Advanced Oxidation of Parabens Catalyzed by Hydrogen Peroxide and Titanium Dioxide. Improving the System. *Industrial & Engineering Chemistry Research*, **2016**, 55, 5152-5160	3.9	11
21	Electrochemical Degradation of Carbamazepine in Aqueous Solutions Optimization of Kinetic Aspects by Design of Experiments. *Clean - Soil, Air, Water*, **2014**, 42, 1534-1540	1.6	10
20	Ozonation of a Carbamazepine Effluent. Designing the Operational Parameters Under Economic Considerations. *Water, Air, and Soil Pollution*, **2012**, 223, 5999-6007	2.6	10
19	Advanced photochemical oxidation of emergent micropollutants: carbamazepine. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2014**, 49, 988-97	2.3	8
18	Feasibility of electrochemical degradation of pharmaceutical pollutants in different aqueous matrices: optimization through design of experiments. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2014**, 49, 843-50	2.3	7
17	Advanced oxidation processes for the degradation of p-hydroxybenzoic acid 2: Photo-assisted Fenton oxidation. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 1243-1248	3.5	7
16	OZONATION KINETICS OF PHENOLIC COMPOUNDS PRESENT IN TABLE OLIVE WASTEWATERS: p-HYDROXYBENZOIC ACID, TYROSOL AND p-COUMARIC ACID. *Chemical Engineering Communications*, **2001**, 184, 157-174	2.2	6
15	Selecting and improving activated homogeneous catalytic processes for pollutant removal. Kinetics, mineralization and optimization. *Journal of Environmental Management*, **2020**, 256, 109972	7.9	6
14	Electrochemical and sonochemical advanced oxidation processes applied to tartrazine removal. Influence of operational conditions and aqueous matrix. *Environmental Research*, **2021**, 202, 111517	7.9	6

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13	Electrical resistivity of YSZ-coated stainless steel electrodes. A study by response surface methodology. *Journal of Alloys and Compounds*, **2013**, 577, 360-369	5.7	5
12	Mixing characterization in batch reactors using the radiotracer technique. *Journal of Radioanalytical and Nuclear Chemistry*, **1999**, 241, 337-340	1.5	5
11	Use of 99mTcO4 - and Rhodamine WT as tracers and the mathematical convolution procedure to establish the alarm model in the Almendares River. *Journal of Radioanalytical and Nuclear Chemistry* , **2004**, 260, 417-420	1.5	4
10	Advanced oxidation processes for the degradation of p-hydroxybenzoic acid 1: Photo-assisted ozonation. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 1235-1242	3.5	3
9	Removal of Trimethoprim by a Low-Cost Adsorbent: Influence of Operation Conditions. *Water, Air, and Soil Pollution*, **2012**, 223, 4577-4588	2.6	2
8	Combating paraben pollution in surface waters with a variety of photocatalyzed systems: Looking for the most efficient technology. *Open Chemistry*, **2019**, 17, 1317-1327	1.6	2
7	BDD electrochemical oxidation of neonicotinoid pesticides in natural surface waters. Operational, kinetic and energetic aspects. *Journal of Environmental Management*, **2021**, 298, 113538	7.9	2
6	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. *Journal of Advanced Oxidation Technologies*, **2009**, 12,		1
5	CONDUCTIVE-DIAMOND ELECTROCHEMICAL OXIDATION OF A PHARMACEUTICAL EFFLUENT WITH HIGH CHEMICAL OXYGEN DEMAND (COD). KINETICS AND OPTIMIZATION OF THE PROCESS BY RESPONSE SURFACE METHODOLOGY (RSM). *Environmental Engineering and Management Journal*, **2016**, 15, 27-34	0.6	1
4	Sonochemical degradation of neonicotinoid pesticides in natural surface waters. Influence of operational and environmental conditions. *Environmental Research*, **2021**, 197, 111021	7.9	1
3	New trends on green energy and environmental technologies, with special focus on biomass valorization, water and waste recycling: editorial of the special issue.. *Journal of Environmental Management*, **2022**, 316, 115209	7.9	1
2	Synthesis and characterisation of acid/basic modified adsorbents. Application for chlorophenols removal. *Environmental Research*, **2021**, 112187	7.9	
1	Concentration Polarization Quantification and Minimization in Cork Process Wastewater Ultrafiltration by an Ozone Pretreatment. *Processes*, **2021**, 9, 2182	2.9	