Joaquin R Dominguez

List of Publications by Year
in descending order

73 papers	2,302 citations	172457 29 h-index	223800 46 g-index
73 all docs	73 docs citations	73 times ranked	2759 citing authors

#	Article	IF	Citations
1	Kinetic model for phenolic compound oxidation by Fenton's reagent. Chemosphere, 2001, 45, 85-90.	8.2	138
2	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.	8.2	121
3	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, 1046-1053.	12.4	117
4	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, 255-264.	12.4	109
5	Vis and UV photocatalytic detoxification methods (using TiO2, TiO2/H2O2, TiO2/O3, TiO2/S2O82â^', O3,) Tj ETQq1 1 0.784314 rgBT /O	4.4	105
6	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.	2.5	81
7	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. Chemosphere, 2001, 42, 351-359.	8.2	78
8	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. Water Research, 2000, 34, 3515-3522.	11.3	75
9	Anodic oxidation of ketoprofen on boron-doped diamond (BDD) electrodes. Role of operative parameters. Chemical Engineering Journal, 2010, 162, 1012-1018.	12.7	66
10	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.	5.6	63
11	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. Water Research, 2001, 35, 1077-1085.	11.3	56
12	Integrated Fentonâ€™s reagentâ€"coagulation/flocculation process for the treatment of cork processing wastewaters. Journal of Hazardous Materials, 2004, 107, 115-121.	12.4	55
13	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.	3.7	55
14	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.	3.7	54
15	Fenton + Fenton-like Integrated Process for Carbamazepine Degradation: Optimizing the System. Industrial & Engineering Chemistry Research, 2012, 51, 2531-2538.	3.7	53
16	Development and optimization of the BDD-electrochemical oxidation of the antibiotic trimethoprim in aqueous solution. Desalination, 2011, 280, 197-202.	8.2	52
17	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, 161-168.	1.7	49
18	Electrochemical Degradation of a Real Pharmaceutical Effluent. Water, Air, and Soil Pollution, 2012, 223, 2685-2694.	2.4	48

#	Article	IF	Citations
19	Electrochemical Advanced Oxidation of Carbamazepine on Boron-Doped Diamond Anodes. Influence of Operating Variables. Industrial & Engineering Chemistry Research, 2010, 49, 8353-8359.	3.7	44
20	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. Process Biochemistry, 2000, 35, 1183-1190.	3.7	43
21	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: Removal of organic matter. Journal of Hazardous Materials, 2007, 148, 15-21.	12.4	43
22	Treatment of Cork Process Wastewater by a Successive Chemicalâˆ’Physical Method. Journal of Agricultural and Food Chemistry, 2004, 52, 4501-4507.	5.2	39
23	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. Applied Surface Science, 2006, 252, 6031-6035.	6.1	39
24	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, 302-308.	12.4	39
25	Physico-chemical treatment for the depuration of wine distillery wastewaters (vinasses). Water Science and Technology, 2005, 51, 159-166.	2.5	38
26	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. Journal of Hazardous Materials, 2000, 73, 161-178.	12.4	35
27	Advanced oxidation of cork-processing wastewater using Fenton's reagent: kinetics and stoichiometry. Journal of Chemical Technology and Biotechnology, 2004, 79, 407-412.	3.2	35
28	Degradation of Parabens in Different Aqueous Matrices by Several O₃-Derived Advanced Oxidation Processes. Industrial & Engineering Chemistry Research, 2016, 55, 5161-5172.	3.7	35
29	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.	2.5	30
30	Fenton advanced oxidation of emerging pollutants: parabens. International Journal of Energy and Environmental Engineering, 2014, 5, 1.	2.5	28
31	Conductiveâ€diamond electrochemical advanced oxidation of naproxen in aqueous solution: optimizing the process. Journal of Chemical Technology and Biotechnology, 2011, 86, 121-127.	3.2	27
32	Neonicotinoids removal by associated binary, tertiary and quaternary advanced oxidation processes: Synergistic effects, kinetics and mineralization. Journal of Environmental Management, 2020, 261, 110156.	7.8	27
33	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.	12.4	26
34	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. Journal of Chemical Technology and Biotechnology, 2000, 75, 561-568.	3.2	24
35	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. Industrial & Engineering Chemistry Research, 2012, 51, 50-57.	3.7	24
36	Advanced Photochemical Degradation of Emerging Pollutants: Methylparaben. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	24

#	Article	IF	Citations
37	Electrochemical and sonochemical advanced oxidation processes applied to tartrazine removal. Influence of operational conditions and aqueous matrix. Environmental Research, 2021, 202, 111517.	7.5	24
38	Kinetics of the Oxidation ofp-Hydroxybenzoic Acid by the H2O2/UV System. Industrial & Engineering Chemistry Research, 2001, 40, 3104-3108.	3.7	23
39	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.	3.6	22
40	Removal of Carbamazepine, Naproxen, and Trimethoprim from Water by Amberlite XADâ€7: A Kinetic Study. Clean - Soil, Air, Water, 2013, 41, 1052-1061.	1.1	22
41	Aerobic treatment of black olive wastewater and the effect of an ozonation stage. Bioprocess and Biosystems Engineering, 1999, 20, 355.	0.5	20
42	Parabens abatement from surface waters by electrochemical advanced oxidation with boron doped diamond anodes. Environmental Science and Pollution Research, 2016, 23, 20315-20330.	5.3	19
43	Cork processing wastewaters treatment by an ozonization/ultrafiltration integrated process. Desalination, 2006, 191, 148-152.	8.2	17
44	Ultraviolet-Photoassisted Advanced Oxidation of Parabens Catalyzed by Hydrogen Peroxide and Titanium Dioxide. Improving the System. Industrial & Engineering Chemistry Research, 2016, 55, 5152-5160.	3.7	16
45	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. Desalination, 2010, 252, 167-171.	8.2	15
46	Kinetic models of an anaerobic bioreactor for restoring wastewater generated by industrial chickpea protein production. International Biodeterioration and Biodegradation, 2006, 57, 114-120.	3.9	14
47	Electrochemical Degradation of Carbamazepine in Aqueous Solutions â€“ Optimization of Kinetic Aspects by Design of Experiments. Clean - Soil, Air, Water, 2014, 42, 1534-1540.	1.1	11
48	Ozonation of a Carbamazepine Effluent. Designing the Operational Parameters Under Economic Considerations. Water, Air, and Soil Pollution, 2012, 223, 5999-6007.	2.4	10
49	BDD electrochemical oxidation of neonicotinoid pesticides in natural surface waters. Operational, kinetic and energetic aspects. Journal of Environmental Management, 2021, 298, 113538.	7.8	10
50	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, 843-850.	1.7	8
51	Advanced photochemical oxidation of emergent micropollutants: Carbamazepine. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 988-997.	1.7	8
52	Sonochemical degradation of neonicotinoid pesticides in natural surface waters. Influence of operational and environmental conditions. Environmental Research, 2021, 197, 111021.	7.5	8
53	Synthesis and characterisation of acid/basic modified adsorbents. Application for chlorophenols removal. Environmental Research, 2022, 207, 112187.	7.5	8
54	Advanced oxidation processes for the degradation ofp-hydroxybenzoic acid 2: Photo-assisted Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2001, 76, 1243-1248.	3.2	7

#	Article	IF	Citations
55	OZONATION KINETICS OF PHENOLIC COMPOUNDS PRESENT IN TABLE OLIVE WASTEWATERS:p-HYDROXYBENZOIC ACID, TYROSOL ANDp-COUMARIC ACID. Chemical Engineering Communications, 2001, 184, 157-174.	2.6	7
56	Electrical resistivity of YSZ-coated stainless steel electrodes. A study by response surface methodology. Journal of Alloys and Compounds, 2013, 577, 360-369.	5.5	7
57	Combating paraben pollution in surface waters with a variety of photocatalyzed systems: Looking for the most efficient technology. Open Chemistry, 2019, 17, 1317-1327.	1.9	7
58	Selecting and improving activated homogeneous catalytic processes for pollutant removal. Kinetics, mineralization and optimization. Journal of Environmental Management, 2020, 256, 109972.	7.8	6
59	Mixing characterization in batch reactors using the radiotracer technique. Journal of Radioanalytical and Nuclear Chemistry, 1999, 241, 337-340.	1.5	5
60	Use of99mTcO4-and Rhodamine WTas 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
61	Removal of Trimethoprim by a Low-Cost Adsorbent: Influence of Operation Conditions. Water, Air, and Soil Pollution, 2012, 223, 4577-4588.	2.4	4
62	2nd International Conference on Green Chemistry and Sustainable Engineering (GreenChemSE16), Rome, Italy, 20â€“22 July, 2016. Green Processing and Synthesis, 2017, 6, .	3.4	4
63	Treatment technologies for emerging contaminants in water. Journal of Environmental Management, 2021, 286, 112256.	7.8	4
64	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.	7.8	4
65	Advanced oxidation processes for the degradation ofp-hydroxybenzoic acid 1: Photo-assisted ozonation. Journal of Chemical Technology and Biotechnology, 2001, 76, 1235-1242.	3.2	3
66	New research on water, waste and energy management, with special focus on antibiotics and priority pollutants. Environmental Research, 2021, 201, 111582.	7.5	3
67	New research on reduction and/or elimination of hazardous substances in the design, manufacture and application of chemical products. Environmental Research, 2021, 201, 111601.	7.5	3
68	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. Journal of Advanced Oxidation Technologies, 2009, 12, .	0.5	1
69	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
70	Ozone treatment of black olive wastewaters. Grasas Y Aceites, 2001, 52, .	0.9	1
71	Concentration Polarization Quantification and Minimization in Cork Process Wastewater Ultrafiltration by an Ozone Pretreatment. Processes, 2021, 9, 2182.	2.8	1
72	Preface: 1st International Conference on Chemical and Biochemical Engineering (ICCBE15), Paris, France, July 20â€“22, 2015. Industrial & Engineering Chemistry Research, 2016, 55, 5127-5127.	3.7	0

#	Article	IF	Citations
73	Water and waste remediation processes: an update. Environmental Science and Pollution Research, 2021, 28, 18725-18726.	5.3	0