

Joaquin R Dominguez

List of Publications by Year in descending order

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73
papers

2,302
citations

172207

29
h-index

223531

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. <i>Chemosphere</i> , 2001, 45, 85-90.	4.2	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. <i>Desalination</i> , 2011, 269, 231-238.	4.0	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. <i>Journal of Hazardous Materials</i> , 2010, 177, 1046-1053.	6.5	117
4	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO ₂ /UV radiation: comparison and modelling of reaction kinetic. <i>Journal of Hazardous Materials</i> , 2001, 83, 255-264.	6.5	109
5	Vis and UV photocatalytic detoxification methods (using TiO ₂ , TiO ₂ /H ₂ O ₂ , TiO ₂ /O ₃ , TiO ₂ /S ₂ O ₈ ²⁻ , O ₃) Tj ETQq1, 1 0.784314 rgBT 105	2.2	105
6	Degradation of olive mill wastewater by the combination of Fenton's reagent and ozonation processes with an aerobic biological treatment. <i>Water Science and Technology</i> , 2001, 44, 103-108.	1.2	81
7	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. <i>Chemosphere</i> , 2001, 42, 351-359.	4.2	78
8	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. <i>Water Research</i> , 2000, 34, 3515-3522.	5.3	75
9	Anodic oxidation of ketoprofen on boron-doped diamond (BDD) electrodes. Role of operative parameters. <i>Chemical Engineering Journal</i> , 2010, 162, 1012-1018.	6.6	66
10	Winery wastewater treatment by sulphate radical based-advanced oxidation processes (SR-AOP): Thermally vs UV-assisted persulphate activation. <i>Chemical Engineering Research and Design</i> , 2019, 122, 94-101.	2.7	63
11	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. <i>Water Research</i> , 2001, 35, 1077-1085.	5.3	56
12	Integrated Fenton's reagent's coagulation/flocculation process for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , 2004, 107, 115-121.	6.5	55
13	Mesophilic anaerobic digestion in a fluidised-bed reactor of wastewater from the production of protein isolates from chickpea flour. <i>Process Biochemistry</i> , 2004, 39, 1913-1921.	1.8	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. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6539-6548.	1.8	54
15	Fenton + Fenton-like Integrated Process for Carbamazepine Degradation: Optimizing the System. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2531-2538.	1.8	53
16	Development and optimization of the BDD-electrochemical oxidation of the antibiotic trimethoprim in aqueous solution. <i>Desalination</i> , 2011, 280, 197-202.	4.0	52
17	Combined treatment of olive mill wastewater by Fenton's reagent and anaerobic biological process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 161-168.	0.9	49
18	Electrochemical Degradation of a Real Pharmaceutical Effluent. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2685-2694.	1.1	48

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19	Electrochemical Advanced Oxidation of Carbamazepine on Boron-Doped Diamond Anodes. Influence of Operating Variables. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8353-8359.	1.8	44
20	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. <i>Process Biochemistry</i> , 2000, 35, 1183-1190.	1.8	43
21	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: Removal of organic matter. <i>Journal of Hazardous Materials</i> , 2007, 148, 15-21.	6.5	43
22	Treatment of Cork Process Wastewater by a Successive Chemical-Physical Method. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4501-4507.	2.4	39
23	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. <i>Applied Surface Science</i> , 2006, 252, 6031-6035.	3.1	39
24	Removal of chlorophenols in aqueous solution by carbon black low-cost adsorbents. Equilibrium study and influence of operation conditions. <i>Journal of Hazardous Materials</i> , 2009, 169, 302-308.	6.5	39
25	Physico-chemical treatment for the depuration of wine distillery wastewaters (vinasses). <i>Water Science and Technology</i> , 2005, 51, 159-166.	1.2	38
26	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. <i>Journal of Hazardous Materials</i> , 2000, 73, 161-178.	6.5	35
27	Advanced oxidation of cork-processing wastewater using Fenton's reagent: kinetics and stoichiometry. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 407-412.	1.6	35
28	Degradation of Parabens in Different Aqueous Matrices by Several O ₃ -Derived Advanced Oxidation Processes. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5161-5172.	1.8	35
29	Degradation of wine distillery wastewaters by the combination of aerobic biological treatment with chemical oxidation by Fenton's reagent. <i>Water Science and Technology</i> , 2005, 51, 167-174.	1.2	30
30	Fenton advanced oxidation of emerging pollutants: parabens. <i>International Journal of Energy and Environmental Engineering</i> , 2014, 5, 1.	1.3	28
31	Conductive-diamond electrochemical advanced oxidation of naproxen in aqueous solution: optimizing the process. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 121-127.	1.6	27
32	Neonicotinoids removal by associated binary, tertiary and quaternary advanced oxidation processes: Synergistic effects, kinetics and mineralization. <i>Journal of Environmental Management</i> , 2020, 261, 110156.	3.8	27
33	Aluminium sulfate as coagulant for highly polluted cork processing wastewater: Evaluation of settleability parameters and design of a clarifier-thickener unit. <i>Journal of Hazardous Materials</i> , 2007, 148, 6-14.	6.5	26
34	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 561-568.	1.6	24
35	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 50-57.	1.8	24
36	Advanced Photochemical Degradation of Emerging Pollutants: Methylparaben. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	24

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37	Electrochemical and sonochemical advanced oxidation processes applied to tartrazine removal. Influence of operational conditions and aqueous matrix. <i>Environmental Research</i> , 2021, 202, 111517.	3.7	24
38	Kinetics of the Oxidation of p-Hydroxybenzoic Acid by the H ₂ O ₂ /UV System. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3104-3108.	1.8	23
39	Technetium-99m as a tracer for the liquid RTD measurement in opaque anaerobic digester: application in a sugar wastewater treatment plant. <i>Chemical Engineering and Processing: Process Intensification</i> , 2003, 42, 857-865.	1.8	22
40	Removal of Carbamazepine, Naproxen, and Trimethoprim from Water by Amberlite XAD®: A Kinetic Study. <i>Clean - Soil, Air, Water</i> , 2013, 41, 1052-1061.	0.7	22
41	Aerobic treatment of black olive wastewater and the effect of an ozonation stage. <i>Bioprocess and Biosystems Engineering</i> , 1999, 20, 355.	0.5	20
42	Parabens abatement from surface waters by electrochemical advanced oxidation with boron doped diamond anodes. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20315-20330.	2.7	19
43	Cork processing wastewaters treatment by an ozonation/ultrafiltration integrated process. <i>Desalination</i> , 2006, 191, 148-152.	4.0	17
44	Ultraviolet-Photoassisted Advanced Oxidation of Parabens Catalyzed by Hydrogen Peroxide and Titanium Dioxide. Improving the System. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5152-5160.	1.8	16
45	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. <i>Desalination</i> , 2010, 252, 167-171.	4.0	15
46	Kinetic models of an anaerobic bioreactor for restoring wastewater generated by industrial chickpea protein production. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 114-120.	1.9	14
47	Electrochemical Degradation of Carbamazepine in Aqueous Solutions – Optimization of Kinetic Aspects by Design of Experiments. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1534-1540.	0.7	11
48	Ozonation of a Carbamazepine Effluent. Designing the Operational Parameters Under Economic Considerations. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5999-6007.	1.1	10
49	BDD electrochemical oxidation of neonicotinoid pesticides in natural surface waters. Operational, kinetic and energetic aspects. <i>Journal of Environmental Management</i> , 2021, 298, 113538.	3.8	10
50	Feasibility of electrochemical degradation of pharmaceutical pollutants in different aqueous matrices: Optimization through design of experiments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 843-850.	0.9	8
51	Advanced photochemical oxidation of emergent micropollutants: Carbamazepine. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 988-997.	0.9	8
52	Sonochemical degradation of neonicotinoid pesticides in natural surface waters. Influence of operational and environmental conditions. <i>Environmental Research</i> , 2021, 197, 111021.	3.7	8
53	Synthesis and characterisation of acid/basic modified adsorbents. Application for chlorophenols removal. <i>Environmental Research</i> , 2022, 207, 112187.	3.7	8
54	Advanced oxidation processes for the degradation of p-hydroxybenzoic acid 2: Photo-assisted Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 1243-1248.	1.6	7

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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.	1.5	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.	2.8	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.	1.0	7
58	Selecting and improving activated homogeneous catalytic processes for pollutant removal. Kinetics, mineralization and optimization. Journal of Environmental Management, 2020, 256, 109972.	3.8	6
59	Mixing characterization in batch reactors using the radiotracer technique. Journal of Radioanalytical and Nuclear Chemistry, 1999, 241, 337-340.	0.7	5
60	Use of ^{99m} TcO ₄ -and Rhodamine WTas tracers and the mathematical convolution procedure to establish the alarm model in the Almedares River. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 417-420.	0.7	4
61	Removal of Trimethoprim by a Low-Cost Adsorbent: Influence of Operation Conditions. Water, Air, and Soil Pollution, 2012, 223, 4577-4588.	1.1	4
62	2nd International Conference on Green Chemistry and Sustainable Engineering (GreenChemSE16), Rome, Italy, 20â€“22 July, 2016. Green Processing and Synthesis, 2017, 6, .	1.3	4
63	Treatment technologies for emerging contaminants in water. Journal of Environmental Management, 2021, 286, 112256.	3.8	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.	3.8	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.	1.6	3
66	New research on water, waste and energy management, with special focus on antibiotics and priority pollutants. Environmental Research, 2021, 201, 111582.	3.7	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.	3.7	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.	0.2	1
70	Ozone treatment of black olive wastewaters. Grasas Y Aceites, 2001, 52, .	0.3	1
71	Concentration Polarization Quantification and Minimization in Cork Process Wastewater Ultrafiltration by an Ozone Pretreatment. Processes, 2021, 9, 2182.	1.3	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.	1.8	0

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73	Water and waste remediation processes: an update. Environmental Science and Pollution Research, 2021, 28, 18725-18726.	2.7	0