Francisco J Real

List of Publications by Year
in descending order

50 papers	2,749 citations	159585 30 h-index	189892 50 g-index
50 all docs	50 docs citations	50 times ranked	3190 citing authors

#	Article	IF	Citations
1	Photosensitizer Method to Determine Rate Constants for the Reaction of Carbonate Radical with Organic Compounds. Environmental Science & Technology, 2005, 39, 9182-9188.	10.0	407
2	Degradation of carbofuran by using ozone, UV radiation and advanced oxidation processes. Journal of Hazardous Materials, 2002, 89, 51-65.	12.4	149
3	Comparison of different chemical oxidation treatments for the removal of selected pharmaceuticals in water matrices. Chemical Engineering Journal, 2011, 168, 1149-1156.	12.7	133
4	Kinetics of aqueous chlorination of some pharmaceuticals and their elimination from water matrices. Water Research, 2010, 44, 4158-4170.	11.3	128
5	Kinetics of the Chemical Oxidation of the Pharmaceuticals Primidone, Ketoprofen, and Diatrizoate in Ultrapure and Natural Waters. Industrial & Engineering Chemistry Research, 2009, 48, 3380-3388.	3.7	119
6	Membrane filtration technologies applied to municipal secondary effluents for potential reuse. Journal of Hazardous Materials, 2010, 177, 390-398.	12.4	106
7	Coupling of adsorption, coagulation, and ultrafiltration processes for the removal of emerging contaminants in a secondary effluent. Chemical Engineering Journal, 2012, 210, 1-8.	12.7	104
8	Ozonation of pharmaceutical compounds: Rate constants and elimination in various water matrices. Chemosphere, 2009, 77, 53-59.	8.2	102
9	Photochemical oxidation processes for the elimination of phenyl-urea herbicides in waters. Journal of Hazardous Materials, 2006, 138, 278-287.	12.4	93
10	Micropollutants removal from retentates generated in ultrafiltration and nanofiltration treatments of municipal secondary effluents by means of coagulation, oxidation, and adsorption processes. Chemical Engineering Journal, 2016, 289, 48-58.	12.7	89
11	Gallic acid degradation in aqueous solutions by UV/H2O2 treatment, Fenton's reagent and the photo-Fenton system. Journal of Hazardous Materials, 2005, 126, 31-39.	12.4	75
12	Photolysis of model emerging contaminants in ultra-pure water: Kinetics, by-products formation and degradation pathways. Water Research, 2013, 47, 870-880.	11.3	75
13	Kinetics of the transformation of phenyl-urea herbicides during ozonation of natural waters: Rate constants and model predictions. Water Research, 2007, 41, 4073-4084.	11.3	74
14	Kinetics of photodegradation and ozonation of pentachlorophenol. Chemosphere, 2003, 51, 651-662.	8.2	66
15	Degradation of selected emerging contaminants by UV-activated persulfate: Kinetics and influence of matrix constituents. Separation and Purification Technology, 2018, 201, 41-50.	7.9	63
16	Chlorination and bromination kinetics of emerging contaminants in aqueous systems. Chemical Engineering Journal, 2013, 219, 43-50.	12.7	57
17	Removal of emerging contaminants from secondary effluents by micellar-enhanced ultrafiltration. Separation and Purification Technology, 2017, 181, 123-131.	7.9	57
18	Ultrafiltration and nanofiltration membranes applied to the removal of the pharmaceuticals amoxicillin, naproxen, metoprolol and phenacetin from water. Journal of Chemical Technology and Biotechnology, 2011, 86, 858-866.	3.2	56

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19	Chlorination of organophosphorus pesticides in natural waters. Journal of Hazardous Materials, 2008, 153, 320-328.	12.4	55
20	Oxidation of MCPA and 2,4-dby UV Radiation, Ozone, and the Combinations UV/H2O2and O3/H2O2. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2004, 39, 393-409.	1.5	49
21	Removal of phenyl-urea herbicides in ultrapure water by ultrafiltration and nanofiltration processes. Water Research, 2009, 43, 267-276.	11.3	48
22	Removal of selected pharmaceuticals in waters by photochemical processes. Journal of Chemical Technology and Biotechnology, 2009, 84, 1186-1195.	3.2	45
23	Kinetics of phenylurea herbicides oxidation by Fenton and photo-Fenton processes. Journal of Chemical Technology and Biotechnology, 2007, 82, 65-73.	3.2	42
24	Elimination of Selected Emerging Contaminants by the Combination of Membrane Filtration and Chemical Oxidation Processes. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	42
25	Removal of diazinon by various advanced oxidation processes. Journal of Chemical Technology and Biotechnology, 2007, 82, 566-574.	3.2	37
26	Oxidation of hydrochlorothiazide by UV radiation, hydroxyl radicals and ozone: Kinetics and elimination from water systems. Chemical Engineering Journal, 2010, 160, 72-78.	12.7	36
27	Oxidation of chlorfenvinphos in ultrapure and natural waters by ozonation and photochemical processes. Water Research, 2008, 42, 3198-3206.	11.3	34
28	Ozonation of benzotriazole and methylindole: Kinetic modeling, identification of intermediates and reaction mechanisms. Journal of Hazardous Materials, 2015, 282, 224-232.	12.4	34
29	Ozone and membrane filtration based strategies for the treatment of cork processing wastewaters. Journal of Hazardous Materials, 2008, 152, 373-380.	12.4	32
30	Non-catalytic and catalytic wet air oxidation of pharmaceuticals in ultra-pure and natural waters. Chemical Engineering Research and Design, 2011, 89, 334-341.	5.6	31
31	Combined chemical oxidation and membrane filtration techniques applied to the removal of some selected pharmaceuticals from water systems. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 522-533.	1.7	29
32	Kinetics of reactions between chlorine or bromine and the herbicides diuron and isoproturon. Journal of Chemical Technology and Biotechnology, 2007, 82, 214-222.	3.2	27
33	Removal of Phenolic Compounds in Water by Ultrafiltration Membrane Treatments. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 1585-1603.	1.7	26
34	Removal of phenyl-urea herbicides in natural waters by UF membranes: Permeate flux, analysis of resistances and rejection coefficients. Separation and Purification Technology, 2009, 65, 322-330.	7.9	26
35	Bromination of selected pharmaceuticals in water matrices. Chemosphere, 2011, 85, 1430-1437.	8.2	24
36	Determination of the Reaction Rate Constants and Decomposition Mechanisms of Ozone with Two Model Emerging Contaminants: DEET and Nortriptyline. Industrial & Engineering Chemistry Research, 2013, 52, 17064-17073.	3.7	24

#	Article	IF	Citations
37	Elimination of the Emerging Contaminants Amitriptyline Hydrochloride, Methyl Salicylate, and 2-Phenoxyethanol in Ultrapure Water and Secondary Effluents by Photolytic and Radicalary Pathways. Industrial & Engineering Chemistry Research, 2012, 51, 16209-16215.	3.7	17
38	Oxidation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2â€phenoxyethanol by persulfate activated by <scp>UV</scp> irradiation. Journal of Chemical Technology and Biotechnology, 2016, 91, 1004-1011.	3.2	16
39	Adsorption of selected emerging contaminants onto PAC and GAC: Equilibrium isotherms, kinetics, and effect of the water matrix. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 727-734.	1.7	16
40	Modeling the photodegradation of emerging contaminants in waters by UV radiation and UV/H2O2system. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 120-128.	1.7	15
41	The Effectiveness of Single Oxidants and AOPs in the Degradation of Emerging Contaminants in Waters: A Comparison Study. Ozone: Science and Engineering, 2013, 35, 263-272.	2.5	13
42	Oxidation of Acetovanillone by Photochemical Processes and Hydroxyl Radicals. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 2153-2169.	1.7	12
43	Nanofiltration processes applied to the removal of phenyl-ureas in natural waters. Journal of Hazardous Materials, 2009, 165, 714-723.	12.4	12
44	Assessment of the UV/Cl₂ advanced oxidation process for the degradation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in water systems. Environmental Technology (United Kingdom), 2017, 38, 2508-2516.	2.2	12
45	Elimination of organic matter present in wastewaters from the cork industry by membrane filtration. Journal of Chemical Technology and Biotechnology, 2008, 83, 309-316.	3.2	10
46	Combination of chemical oxidationâ€membrane filtration processes for the elimination of phenylâ€ureas in water matrices. Journal of Chemical Technology and Biotechnology, 2009, 84, 1883-1893.	3.2	10
47	Comparison between chlorination and ozonation treatments for the elimination of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in surface waters and secondary effluents. Journal of Chemical Technology and Biotechnology, 2015, 90, 1400-1407.	3.2	9
48	Oxidation of Esculetin, a Model Pollutant Present in Cork Processing Wastewaters, by Chemical Methods. Ozone: Science and Engineering, 2005, 27, 317-326.	2.5	5
49	ELIMINATION OF BENZENE AND CHLOROBENZENES BY PHOTODEGRADATION AND OZONATION PROCESSES. Chemical Engineering Communications, 2007, 194, 811-827.	2.6	5
50	Influence of membrane, pH and water matrix properties on the retention of emerging contaminants by ultrafiltration and nanofiltration. Desalination and Water Treatment, 2016, 57, 11685-11698.	1.0	3