

Francisco J Real

List of Publications by Year in descending order

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50
papers

2,749
citations

159358

30
h-index

189595

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. <i>Environmental Science & Technology</i> , 2005, 39, 9182-9188.	4.6	407
2	Degradation of carbofuran by using ozone, UV radiation and advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2002, 89, 51-65.	6.5	149
3	Comparison of different chemical oxidation treatments for the removal of selected pharmaceuticals in water matrices. <i>Chemical Engineering Journal</i> , 2011, 168, 1149-1156.	6.6	133
4	Kinetics of aqueous chlorination of some pharmaceuticals and their elimination from water matrices. <i>Water Research</i> , 2010, 44, 4158-4170.	5.3	128
5	Kinetics of the Chemical Oxidation of the Pharmaceuticals Primidone, Ketoprofen, and Diatrizoate in Ultrapure and Natural Waters. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3380-3388.	1.8	119
6	Membrane filtration technologies applied to municipal secondary effluents for potential reuse. <i>Journal of Hazardous Materials</i> , 2010, 177, 390-398.	6.5	106
7	Coupling of adsorption, coagulation, and ultrafiltration processes for the removal of emerging contaminants in a secondary effluent. <i>Chemical Engineering Journal</i> , 2012, 210, 1-8.	6.6	104
8	Ozonation of pharmaceutical compounds: Rate constants and elimination in various water matrices. <i>Chemosphere</i> , 2009, 77, 53-59.	4.2	102
9	Photochemical oxidation processes for the elimination of phenyl-urea herbicides in waters. <i>Journal of Hazardous Materials</i> , 2006, 138, 278-287.	6.5	93
10	Micropollutants removal from retentates generated in ultrafiltration and nanofiltration treatments of municipal secondary effluents by means of coagulation, oxidation, and adsorption processes. <i>Chemical Engineering Journal</i> , 2016, 289, 48-58.	6.6	89
11	Gallic acid degradation in aqueous solutions by UV/H ₂ O ₂ treatment, Fenton's reagent and the photo-Fenton system. <i>Journal of Hazardous Materials</i> , 2005, 126, 31-39.	6.5	75
12	Photolysis of model emerging contaminants in ultra-pure water: Kinetics, by-products formation and degradation pathways. <i>Water Research</i> , 2013, 47, 870-880.	5.3	75
13	Kinetics of the transformation of phenyl-urea herbicides during ozonation of natural waters: Rate constants and model predictions. <i>Water Research</i> , 2007, 41, 4073-4084.	5.3	74
14	Kinetics of photodegradation and ozonation of pentachlorophenol. <i>Chemosphere</i> , 2003, 51, 651-662.	4.2	66
15	Degradation of selected emerging contaminants by UV-activated persulfate: Kinetics and influence of matrix constituents. <i>Separation and Purification Technology</i> , 2018, 201, 41-50.	3.9	63
16	Chlorination and bromination kinetics of emerging contaminants in aqueous systems. <i>Chemical Engineering Journal</i> , 2013, 219, 43-50.	6.6	57
17	Removal of emerging contaminants from secondary effluents by micellar-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , 2017, 181, 123-131.	3.9	57
18	Ultrafiltration and nanofiltration membranes applied to the removal of the pharmaceuticals amoxicillin, naproxen, metoprolol and phenacetin from water. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 858-866.	1.6	56

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19	Chlorination of organophosphorus pesticides in natural waters. <i>Journal of Hazardous Materials</i> , 2008, 153, 320-328.	6.5	55
20	Oxidation of MCPA and 2,4-dby UV Radiation, Ozone, and the Combinations UV/H ₂ O ₂ and O ₃ /H ₂ O ₂ . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004, 39, 393-409.	0.7	49
21	Removal of phenyl-urea herbicides in ultrapure water by ultrafiltration and nanofiltration processes. <i>Water Research</i> , 2009, 43, 267-276.	5.3	48
22	Removal of selected pharmaceuticals in waters by photochemical processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1186-1195.	1.6	45
23	Kinetics of phenylurea herbicides oxidation by Fenton and photo-Fenton processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 65-73.	1.6	42
24	Elimination of Selected Emerging Contaminants by the Combination of Membrane Filtration and Chemical Oxidation Processes. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	42
25	Removal of diazinon by various advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 566-574.	1.6	37
26	Oxidation of hydrochlorothiazide by UV radiation, hydroxyl radicals and ozone: Kinetics and elimination from water systems. <i>Chemical Engineering Journal</i> , 2010, 160, 72-78.	6.6	36
27	Oxidation of chlorfenvinphos in ultrapure and natural waters by ozonation and photochemical processes. <i>Water Research</i> , 2008, 42, 3198-3206.	5.3	34
28	Ozonation of benzotriazole and methylindole: Kinetic modeling, identification of intermediates and reaction mechanisms. <i>Journal of Hazardous Materials</i> , 2015, 282, 224-232.	6.5	34
29	Ozone and membrane filtration based strategies for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , 2008, 152, 373-380.	6.5	32
30	Non-catalytic and catalytic wet air oxidation of pharmaceuticals in ultra-pure and natural waters. <i>Chemical Engineering Research and Design</i> , 2011, 89, 334-341.	2.7	31
31	Combined chemical oxidation and membrane filtration techniques applied to the removal of some selected pharmaceuticals from water systems. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 522-533.	0.9	29
32	Kinetics of reactions between chlorine or bromine and the herbicides diuron and isoproturon. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 214-222.	1.6	27
33	Removal of Phenolic Compounds in Water by Ultrafiltration Membrane Treatments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1585-1603.	0.9	26
34	Removal of phenyl-urea herbicides in natural waters by UF membranes: Permeate flux, analysis of resistances and rejection coefficients. <i>Separation and Purification Technology</i> , 2009, 65, 322-330.	3.9	26
35	Bromination of selected pharmaceuticals in water matrices. <i>Chemosphere</i> , 2011, 85, 1430-1437.	4.2	24
36	Determination of the Reaction Rate Constants and Decomposition Mechanisms of Ozone with Two Model Emerging Contaminants: DEET and Nortriptyline. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17064-17073.	1.8	24

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37	Elimination of the Emerging Contaminants Amitriptyline Hydrochloride, Methyl Salicylate, and 2-Phenoxyethanol in Ultrapure Water and Secondary Effluents by Photolytic and Radicalary Pathways. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16209-16215.	1.8	17
38	Oxidation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol by persulfate activated by UV irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1004-1011.	1.6	16
39	Adsorption of selected emerging contaminants onto PAC and GAC: Equilibrium isotherms, kinetics, and effect of the water matrix. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 727-734.	0.9	16
40	Modeling the photodegradation of emerging contaminants in waters by UV radiation and UV/H ₂ O ₂ system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 120-128.	0.9	15
41	The Effectiveness of Single Oxidants and AOPs in the Degradation of Emerging Contaminants in Waters: A Comparison Study. <i>Ozone: Science and Engineering</i> , 2013, 35, 263-272.	1.4	13
42	Oxidation of Acetovanillone by Photochemical Processes and Hydroxyl Radicals. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 2153-2169.	0.9	12
43	Nanofiltration processes applied to the removal of phenyl-ureas in natural waters. <i>Journal of Hazardous Materials</i> , 2009, 165, 714-723.	6.5	12
44	Assessment of the UV/Cl ₂ advanced oxidation process for the degradation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in water systems. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2508-2516.	1.2	12
45	Elimination of organic matter present in wastewaters from the cork industry by membrane filtration. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 309-316.	1.6	10
46	Combination of chemical oxidation and membrane filtration processes for the elimination of phenyl-ureas in water matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1883-1893.	1.6	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. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1400-1407.	1.6	9
48	Oxidation of Esculetin, a Model Pollutant Present in Cork Processing Wastewaters, by Chemical Methods. <i>Ozone: Science and Engineering</i> , 2005, 27, 317-326.	1.4	5
49	ELIMINATION OF BENZENE AND CHLOROBENZENES BY PHOTODEGRADATION AND OZONATION PROCESSES. <i>Chemical Engineering Communications</i> , 2007, 194, 811-827.	1.5	5
50	Influence of membrane, pH and water matrix properties on the retention of emerging contaminants by ultrafiltration and nanofiltration. <i>Desalination and Water Treatment</i> , 2016, 57, 11685-11698.	1.0	3