

Francisco J Real

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

2,291
citations

27
h-index

47
g-index

50
ext. papers

2,492
ext. citations

7.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
50	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	8.3	43
49	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	2.3	11
48	Removal of emerging contaminants from secondary effluents by micellar-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , 2017 , 181, 123-131	8.3	41
47	Assessment of the UV/Cl 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	2.6	10
46	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	14.7	67
45	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		3
44	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	3.5	14
43	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	2.6	35
42	Ozonation of benzotriazole and methylindole: Kinetic modeling, identification of intermediates and reaction mechanisms. <i>Journal of Hazardous Materials</i> , 2015 , 282, 224-32	12.8	26
41	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	3.5	8
40	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	3.9	18
39	Photolysis of model emerging contaminants in ultra-pure water: kinetics, by-products formation and degradation pathways. <i>Water Research</i> , 2013 , 47, 870-80	12.5	68
38	Chlorination and bromination kinetics of emerging contaminants in aqueous systems. <i>Chemical Engineering Journal</i> , 2013 , 219, 43-50	14.7	48
37	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	2.4	11
36	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, 120-8	2.3	13
35	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, 522-33	2.3	25
34	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	14.7	84

33	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	3.9	14
32	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	5.5	25
31	Bromination of selected pharmaceuticals in water matrices. <i>Chemosphere</i> , 2011 , 85, 1430-7	8.4	20
30	Comparison of different chemical oxidation treatments for the removal of selected pharmaceuticals in water matrices. <i>Chemical Engineering Journal</i> , 2011 , 168, 1149-1156	14.7	106
29	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	3.5	43
28	Kinetics of aqueous chlorination of some pharmaceuticals and their elimination from water matrices. <i>Water Research</i> , 2010 , 44, 4158-70	12.5	109
27	Membrane filtration technologies applied to municipal secondary effluents for potential reuse. <i>Journal of Hazardous Materials</i> , 2010 , 177, 390-8	12.8	92
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	14.7	30
25	Removal of selected pharmaceuticals in waters by photochemical processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 1186-1195	3.5	42
24	Combination of chemical oxidation-membrane filtration processes for the elimination of phenyl-ureas in water matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 1883-1893	3.5	9
23	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	8.3	24
22	Nanofiltration processes applied to the removal of phenyl-ureas in natural waters. <i>Journal of Hazardous Materials</i> , 2009 , 165, 714-23	12.8	10
21	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	3.9	98
20	Ozonation of pharmaceutical compounds: Rate constants and elimination in various water matrices. <i>Chemosphere</i> , 2009 , 77, 53-9	8.4	86
19	Removal of phenyl-urea herbicides in ultrapure water by ultrafiltration and nanofiltration processes. <i>Water Research</i> , 2009 , 43, 267-76	12.5	42
18	Oxidation of chlorfenvinphos in ultrapure and natural waters by ozonation and photochemical processes. <i>Water Research</i> , 2008 , 42, 3198-206	12.5	30
17	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	3.5	8
16	Ozone and membrane filtration based strategies for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , 2008 , 152, 373-80	12.8	26

15	Chlorination of organophosphorus pesticides in natural waters. <i>Journal of Hazardous Materials</i> , 2008 , 153, 320-8	12.8	45
14	Kinetics of phenylurea herbicides oxidation by Fenton and photo-Fenton processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 65-73	3.5	37
13	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	3.5	27
12	Removal of diazinon by various advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 566-574	3.5	31
11	ELIMINATION OF BENZENE AND CHLOROBENZENES BY PHOTODEGRADATION AND OZONATION PROCESSES. <i>Chemical Engineering Communications</i> , 2007 , 194, 811-827	2.2	4
10	Kinetics of the transformation of phenyl-urea herbicides during ozonation of natural waters: rate constants and model predictions. <i>Water Research</i> , 2007 , 41, 4073-84	12.5	67
9	Photochemical oxidation processes for the elimination of phenyl-urea herbicides in waters. <i>Journal of Hazardous Materials</i> , 2006 , 138, 278-87	12.8	85
8	Photosensitizer method to determine rate constants for the reaction of carbonate radical with organic compounds. <i>Environmental Science & Technology</i> , 2005 , 39, 9182-8	10.3	333
7	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, 1585-603	2.3	20
6	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, 2153-69	2.3	12
5	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, 31-9	12.8	60
4	Oxidation of Esculetin, a Model Pollutant Present in Cork Processing Wastewaters, by Chemical Methods. <i>Ozone: Science and Engineering</i> , 2005 , 27, 317-326	2.4	4
3	Oxidation of MCPA and 2,4-D by 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	2.2	43
2	Kinetics of photodegradation and ozonation of pentachlorophenol. <i>Chemosphere</i> , 2003 , 51, 651-62	8.4	57
1	Degradation of carbofuran by using ozone, UV radiation and advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2002 , 89, 51-65	12.8	127