

Juan Fernando GarcÃ-a-Araya

List of Publications by Year in descending order

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57
papers

2,692
citations

186265

28
h-index

182427

51
g-index

57
all docs

57
docs citations

57
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Ozone and photocatalytic processes to remove the antibiotic sulfamethoxazole from water. <i>Water Research</i> , 2008, 42, 3799-3808.	11.3	228
2	The influence of various factors on aqueous ozone decomposition by granular activated carbons and the development of a mechanistic approach. <i>Carbon</i> , 2006, 44, 3102-3112.	10.3	154
3	Oxidation of Polynuclear Aromatic Hydrocarbons in Water. 2. UV Radiation and Ozonation in the Presence of UV Radiation. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 1607-1615.	3.7	150
4	Ozonation of activated carbons: Effect on the adsorption of selected phenolic compounds from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 503-512.	9.4	141
5	Mechanism and kinetics of sulfamethoxazole photocatalytic ozonation in water. <i>Water Research</i> , 2009, 43, 1359-1369.	11.3	117
6	Photocatalytic ozonation to remove the pharmaceutical diclofenac from water: Influence of variables. <i>Chemical Engineering Journal</i> , 2012, 189-190, 275-282.	12.7	110
7	Activated Carbon Adsorption of Some Phenolic Compounds Present in Agroindustrial Wastewater. <i>Adsorption</i> , 2003, 9, 107-115.	3.0	106
8	Removal of emerging contaminants from a primary effluent of municipal wastewater by means of sequential biological degradation-solar photocatalytic oxidation processes. <i>Chemical Engineering Journal</i> , 2016, 290, 12-20.	12.7	104
9	Effects of single and combined ozonation with hydrogen peroxide or UV radiation on the chemical degradation and biodegradability of debittering table olive industrial wastewaters. <i>Water Research</i> , 1999, 33, 723-732.	11.3	92
10	Advanced oxidation of atrazine in water ^I . Ozonation. <i>Water Research</i> , 1994, 28, 2153-2164.	11.3	91
11	Sodium Dodecylbenzenesulfonate Removal from Water and Wastewater. 1. Kinetics of Decomposition by Ozonation. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 2214-2220.	3.7	88
12	Wine Distillery Wastewater Degradation. 1. Oxidative Treatment Using Ozone and Its Effect on the Wastewater Biodegradability. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3911-3918.	5.2	81
13	Diclofenac removal from water by ozone and photolytic TiO ₂ catalysed processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 798-804.	3.2	80
14	Advanced oxidation of atrazine in water ^{II} . Ozonation combined with ultraviolet radiation. <i>Water Research</i> , 1994, 28, 2165-2174.	11.3	77
15	Gallic acid water ozonation using activated carbon. <i>Applied Catalysis B: Environmental</i> , 2006, 63, 249-259.	20.2	76
16	Treatment of High Strength Distillery Wastewater (Cherry Stillage) by Integrated Aerobic Biological Oxidation and Ozonation. <i>Biotechnology Progress</i> , 2001, 17, 462-467.	2.6	64
17	pH sequential ozonation of domestic and wine-distillery wastewaters. <i>Water Research</i> , 2001, 35, 929-936.	11.3	55
18	Oxidation by ozone and chlorine dioxide of two distillery wastewater contaminants: gallic acid and epicatechin. <i>Water Research</i> , 1993, 27, 1023-1032.	11.3	50

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19	Kinetic modelling of TOC removal in the photocatalytic ozonation of diclofenac aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 289-298.	20.2	50
20	Wine Distillery Wastewater Degradation. 2. Improvement of Aerobic Biodegradation by Means of an Integrated Chemical (Ozone) Biological Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3919-3924.	5.2	48
21	Decomposition of hydrogen peroxide in the presence of activated carbons with different characteristics. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 595-600.	3.2	40
22	Aqueous degradation of atrazine and some of its main by-products with ozone/hydrogen peroxide. , 1998, 71, 345-355.		37
23	Application of Ozone Involving Advanced Oxidation Processes to Remove Some Pharmaceutical Compounds from Urban Wastewaters. <i>Ozone: Science and Engineering</i> , 2012, 34, 3-15.	2.5	37
24	Ozonation of o-cresol in aqueous solutions. <i>Water Research</i> , 1990, 24, 1309-1316.	11.3	36
25	Kinetics Of Competitive Ozonation Of Some Phenolic Compounds Present In Wastewater From Food Processing Industries. <i>Ozone: Science and Engineering</i> , 2000, 22, 167-183.	2.5	33
26	Continuous flow integrated chemical (ozone)-activated sludge system treating combined agroindustrial-domestic wastewater. <i>Environmental Progress</i> , 2000, 19, 28-35.	0.7	31
27	An Attempt to Model the Kinetics of the Ozonation of Simazine in Water. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 1723-1732.	3.7	30
28	Kinetic Studies on Black Light Photocatalytic Ozonation of Diclofenac and Sulfamethoxazole in Water. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4533-4544.	3.7	29
29	Modelling Industrial Wastewater Ozonation In Bubble Contactors. 1. Rate Coefficient Determination. <i>Ozone: Science and Engineering</i> , 1995, 17, 355-378.	2.5	28
30	HOMOGENEOUS CATALYZED OZONATION OF SIMAZINE. EFFECT OF Mn(II) AND Fe(II). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2001, 36, 317-330.	1.5	28
31	Henry And Mass Transfer Coefficients In The Ozonation Of Wastewaters. <i>Ozone: Science and Engineering</i> , 1997, 19, 281-296.	2.5	27
32	Kinetics of simazine advanced oxidation in water. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2000, 35, 439-454.	1.5	25
33	Co-oxidation of p-hydroxybenzoic acid and atrazine by the Fenton-like system Fe(III)/H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2002, 91, 143-157.	12.4	24
34	Impact of chemical oxidation on biological treatment of a primary municipal wastewater. 1. Effects on cod and biodegradability. <i>Ozone: Science and Engineering</i> , 1997, 19, 495-512.	2.5	23
35	Sodium Dodecylbenzenesulfonate Removal from Water and Wastewater. 2. Kinetics of the Integrated Ozone-Activated Sludge System. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 2221-2227.	3.7	22
36	Ozonation of aqueous solutions of resorcinol and phloroglucinol. 2. Kinetic study. <i>Industrial & Engineering Chemistry Research</i> , 1991, 30, 222-227.	3.7	21

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37	Integration of continuous biological and chemical (ozone) treatment of domestic wastewater: 2. Ozonation followed by biological oxidation. , 1999, 74, 884-890.		21
38	Absorption kinetics of ozone in aqueous Oâ€resol solutions. Canadian Journal of Chemical Engineering, 1992, 70, 141-147.	1.7	19
39	Sequential ozone advanced oxidation and biological oxidation processes to remove selected pharmaceutical contaminants from an urban wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1015-1022.	1.7	18
40	Domestic Wastewater Ozonation: A Kinetic Model Approach. Ozone: Science and Engineering, 2001, 23, 219-228.	2.5	17
41	Activated Carbon Promoted Ozonation of Polyphenol Mixtures in Water:â€ Comparison with Single Ozonation. Industrial & Engineering Chemistry Research, 2007, 46, 8241-8247.	3.7	17
42	Integration of continuous biological and chemical (ozone) treatment of domestic wastewater: 1. Biodegradation and post-ozonation. , 1999, 74, 877-883.		16
43	Perovskite Catalytic Ozonation of Some Pharmaceutical Compounds in Water. Ozone: Science and Engineering, 2010, 32, 230-237.	2.5	16
44	Kinetic Study of the Ozonation of Some Industrial Wastewaters. Ozone: Science and Engineering, 1992, 14, 303-327.	2.5	15
45	Promoted wet air oxidation of polynuclear aromatic hydrocarbons. Journal of Hazardous Materials, 2008, 153, 792-798.	12.4	14
46	Modelling Industrial Wastewater Ozonation In Bubble Contactors. 2. Scale-up From Bench To Pilot Plant. Ozone: Science and Engineering, 1995, 17, 379-398.	2.5	12
47	Origin and Conditions of Ketoacid Formation During Ozonation of Natural Organic Matter in Water. Ozone: Science and Engineering, 1995, 17, 647-656.	2.5	12
48	Impact of chemical oxidation on biological treatment of a primary municipal wastewater. 2. Effects of ozonation on kinetics of biological oxidation. Ozone: Science and Engineering, 1997, 19, 513-526.	2.5	12
49	SIMAZINE REMOVAL FROM WATER IN A CONTINUOUS BUBBLE COLUMN BY O3AND O3/H2O2. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2001, 36, 809-819.	1.5	12
50	Kinetics of Activated Carbon Promoted Ozonation of Succinic Acid in Water. Industrial & Engineering Chemistry Research, 2006, 45, 3015-3021.	3.7	12
51	Estimation of Biological Kinetic Parameters from a Continuous Integrated Ozonation-Activated Sludge System Treating Domestic Wastewater. Biotechnology Progress, 2000, 16, 1018-1024.	2.6	9
52	Ozone remediation of some phenol compounds present in food processing wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 681-699.	1.7	8
53	Kinetics of Activated Carbon Promoted Ozonation of Polyphenol Mixtures in Water. Industrial & Engineering Chemistry Research, 2008, 47, 1058-1065.	3.7	8
54	Estimation of biological kinetic parameters from an analysis of the BOD curve of waste waters-effects of a chemical preoxidation. Acta Biotechnologica, 1997, 17, 207-221.	0.9	7

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55	THE USE OF OZONATION TO REDUCE THE POTENTIAL FOR FORMING TRIHALOMETHANE COMPOUNDS IN CHLORINATING RESORCINOL, PHLOROGLUCINOL AND 1,3 CYCLOHEXANEDIONE. Chemical Engineering Communications, 1990, 96, 321-339.	2.6	5
56	Treatment of Wastewater from Table Olive Industries: Quantum Yield of Photolytic Processes. Bulletin of Environmental Contamination and Toxicology, 2001, 67, 0195-0201.	2.7	5
57	Iron-based catalysts for photocatalytic ozonation of some emerging pollutants of wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 553-62.	1.7	4