

# 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	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
2	Iron-based catalysts for photocatalytic ozonation of some emerging pollutants of wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 553-62.	1.7	4
3	Sequential ozone advanced oxidation and biological oxidation processes to remove selected pharmaceutical contaminants from an urban wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1015-1022.	1.7	18
4	Kinetic Studies on Black Light Photocatalytic Ozonation of Diclofenac and Sulfamethoxazole in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 4533-4544.	3.7	29
5	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
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	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
8	Diclofenac removal from water by ozone and photolytic TiO <sub>2</sub> catalysed processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 798-804.	3.2	80
9	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
10	Perovskite Catalytic Ozonation of Some Pharmaceutical Compounds in Water. <i>Ozone: Science and Engineering</i> , 2010, 32, 230-237.	2.5	16
11	Mechanism and kinetics of sulfamethoxazole photocatalytic ozonation in water. <i>Water Research</i> , 2009, 43, 1359-1369.	11.3	117
12	Promoted wet air oxidation of polynuclear aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2008, 153, 792-798.	12.4	14
13	Ozone and photocatalytic processes to remove the antibiotic sulfamethoxazole from water. <i>Water Research</i> , 2008, 42, 3799-3808.	11.3	228
14	Kinetics of Activated Carbon Promoted Ozonation of Polyphenol Mixtures in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 1058-1065.	3.7	8
15	Activated Carbon Promoted Ozonation of Polyphenol Mixtures in Water: Comparison with Single Ozonation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 8241-8247.	3.7	17
16	Kinetics of Activated Carbon Promoted Ozonation of Succinic Acid in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 3015-3021.	3.7	12
17	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
18	Gallic acid water ozonation using activated carbon. <i>Applied Catalysis B: Environmental</i> , 2006, 63, 249-259.	20.2	76

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19	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
20	Activated Carbon Adsorption of Some Phenolic Compounds Present in Agroindustrial Wastewater. <i>Adsorption</i> , 2003, 9, 107-115.	3.0	106
21	An Attempt to Model the Kinetics of the Ozonation of Simazine in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 1723-1732.	3.7	30
22	Co-oxidation of p-hydroxybenzoic acid and atrazine by the Fenton-like system Fe(III)/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2002, 91, 143-157.	12.4	24
23	pH sequential ozonation of domestic and wine-distillery wastewaters. <i>Water Research</i> , 2001, 35, 929-936.	11.3	55
24	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
25	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
26	Domestic Wastewater Ozonation: A Kinetic Model Approach. <i>Ozone: Science and Engineering</i> , 2001, 23, 219-228.	2.5	17
27	SIMAZINE REMOVAL FROM WATER IN A CONTINUOUS BUBBLE COLUMN BY O <sub>3</sub> AND O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2001, 36, 809-819.	1.5	12
28	Treatment of Wastewater from Table Olive Industries: Quantum Yield of Photolytic Processes. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2001, 67, 0195-0201.	2.7	5
29	Continuous flow integrated chemical (ozone)-activated sludge system treating combined agroindustrial-domestic wastewater. <i>Environmental Progress</i> , 2000, 19, 28-35.	0.7	31
30	Estimation of Biological Kinetic Parameters from a Continuous Integrated Ozonation-Activated Sludge System Treating Domestic Wastewater. <i>Biotechnology Progress</i> , 2000, 16, 1018-1024.	2.6	9
31	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
32	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
33	Ozone remediation of some phenol compounds present in food processing wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000, 35, 681-699.	1.7	8
34	Sodium Dodecylbenzenesulfonate Removal from Water and Wastewater. 1. Kinetics of Decomposition by Ozonation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2214-2220.	3.7	88
35	Sodium Dodecylbenzenesulfonate Removal from Water and Wastewater. 2. Kinetics of the Integrated Ozone-Activated Sludge System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2221-2227.	3.7	22
36	Integration of continuous biological and chemical (ozone) treatment of domestic wastewater: 1. Biodegradation and post-ozonation. , 1999, 74, 877-883.		16

#	ARTICLE	IF	CITATIONS
37	Integration of continuous biological and chemical (ozone) treatment of domestic wastewater: 2. Ozonation followed by biological oxidation. , 1999, 74, 884-890.		21
38	Effects of single and combined ozonation with hydrogen peroxide or UV radiation on the chemical degradation and biodegradability of debittering table olive industrial wastewaters. Water Research, 1999, 33, 723-732.	11.3	92
39	Wine Distillery Wastewater Degradation. 1. Oxidative Treatment Using Ozone and Its Effect on the Wastewater Biodegradability. Journal of Agricultural and Food Chemistry, 1999, 47, 3911-3918.	5.2	81
40	Wine Distillery Wastewater Degradation. 2. Improvement of Aerobic Biodegradation by Means of an Integrated Chemical (Ozone) Biological Treatment. Journal of Agricultural and Food Chemistry, 1999, 47, 3919-3924.	5.2	48
41	Aqueous degradation of atrazine and some of its main by-products with ozone/hydrogen peroxide. , 1998, 71, 345-355.		37
42	Impact of chemical oxidation on biological treatment of a primary municipal wastewater. 1. Effects on cod and biodegradability. Ozone: Science and Engineering, 1997, 19, 495-512.	2.5	23
43	Henry And Mass Transfer Coefficients In The Ozonation Of Wastewaters. Ozone: Science and Engineering, 1997, 19, 281-296.	2.5	27
44	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
45	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
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	Oxidation of Polynuclear Aromatic Hydrocarbons in Water. 2. UV Radiation and Ozonation in the Presence of UV Radiation. Industrial & Engineering Chemistry Research, 1995, 34, 1607-1615.	3.7	150
49	Modelling Industrial Wastewater Ozonation In Bubble Contactors. 1. Rate Coefficient Determination. Ozone: Science and Engineering, 1995, 17, 355-378.	2.5	28
50	Advanced oxidation of atrazine in water I. Ozonation. Water Research, 1994, 28, 2153-2164.	11.3	91
51	Advanced oxidation of atrazine in water II. Ozonation combined with ultraviolet radiation. Water Research, 1994, 28, 2165-2174.	11.3	77
52	Oxidation by ozone and chlorine dioxide of two distillery wastewater contaminants: gallic acid and epicatechin. Water Research, 1993, 27, 1023-1032.	11.3	50
53	Kinetic Study of the Ozonation of Some Industrial Wastewaters. Ozone: Science and Engineering, 1992, 14, 303-327.	2.5	15
54	Absorption kinetics of ozone in aqueous cresol solutions. Canadian Journal of Chemical Engineering, 1992, 70, 141-147.	1.7	19

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55	Ozonation of aqueous solutions of resorcinol and phloroglucinol. 2. Kinetic study. Industrial & Engineering Chemistry Research, 1991, 30, 222-227.	3.7	21
56	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
57	Ozonation of o-cresol in aqueous solutions. Water Research, 1990, 24, 1309-1316.	11.3	36