

Fernando Beltr n

List of Publications by Year in descending order

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251
papers

12,066
citations

19657

61
h-index

40979

93
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253
all docs

253
docs citations

253
times ranked

8373
citing authors

#	ARTICLE	IF	CITATIONS
1	Henry's law constant for the ozone-water system. <i>Water Research</i> , 1989, 23, 1239-1246.	11.3	241
2	Wet air oxidation: a review of process technologies and aspects in reactor design. <i>Chemical Engineering Journal</i> , 1999, 73, 143-160.	12.7	232
3	Ozone and photocatalytic processes to remove the antibiotic sulfamethoxazole from water. <i>Water Research</i> , 2008, 42, 3799-3808.	11.3	228
4	Ozone decomposition in water: kinetic study. <i>Industrial & Engineering Chemistry Research</i> , 1987, 26, 39-43.	3.7	220
5	Iron type catalysts for the ozonation of oxalic acid in water. <i>Water Research</i> , 2005, 39, 3553-3564.	11.3	217
6	Oxidation of p-hydroxybenzoic acid by Fenton's reagent. <i>Water Research</i> , 2001, 35, 387-396.	11.3	197
7	Catalytic ozonation of oxalic acid in an aqueous TiO ₂ slurry reactor. <i>Applied Catalysis B: Environmental</i> , 2002, 39, 221-231.	20.2	194
8	Determination of main species involved in the first steps of TiO ₂ photocatalytic degradation of organics with the use of scavengers: The case of ofloxacin. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 44-53.	20.2	193
9	Pyrolysis of two agricultural residues: Olive and grape bagasse. Influence of particle size and temperature. <i>Biomass and Bioenergy</i> , 1996, 11, 397-409.	5.7	167
10	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
11	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
12	Comparison between thermal and ozone regenerations of spent activated carbon exhausted with phenol. <i>Water Research</i> , 2004, 38, 2155-2165.	11.3	149
13	Oxidation of atrazine in water by ultraviolet radiation combined with hydrogen peroxide. <i>Water Research</i> , 1993, 27, 1013-1021.	11.3	146
14	Phenol and substituted phenols AOPs remediation. <i>Journal of Hazardous Materials</i> , 2005, 119, 99-108.	12.4	141
15	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
16	Stabilized leachates: sequential coagulation-flocculation + chemical oxidation process. <i>Journal of Hazardous Materials</i> , 2004, 116, 95-102.	12.4	137
17	Treatment of Olive Oil Mill Wastewater by Fenton's Reagent. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 1873-1880.	5.2	134
18	Diclofenac removal from water with ozone and activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 163, 768-776.	12.4	134

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19	Pyrolysis/gasification of agricultural residues by carbon dioxide in the presence of different additives: influence of variables. <i>Fuel Processing Technology</i> , 1998, 55, 219-233.	7.2	133
20	Kinetics of Catalytic Ozonation of Oxalic Acid in Water with Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6510-6517.	3.7	133
21	Kinetics of Heterogeneous Catalytic Ozone Decomposition in Water on an Activated Carbon. <i>Ozone: Science and Engineering</i> , 2002, 24, 227-237.	2.5	130
22	A TiO ₂ /Al ₂ O ₃ catalyst to improve the ozonation of oxalic acid in water. <i>Applied Catalysis B: Environmental</i> , 2004, 47, 101-109.	20.2	124
23	Mechanism and kinetics of sulfamethoxazole photocatalytic ozonation in water. <i>Water Research</i> , 2009, 43, 1359-1369.	11.3	117
24	Stabilized leachates: ozone-activated carbon treatment and kinetics. <i>Water Research</i> , 2003, 37, 4823-4834.	11.3	111
25	Development of a model for the wet air oxidation of phenol based on a free radical mechanism. <i>Chemical Engineering Science</i> , 1998, 53, 2575-2586.	3.8	110
26	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
27	Activated Carbon Adsorption of Some Phenolic Compounds Present in Agroindustrial Wastewater. <i>Adsorption</i> , 2003, 9, 107-115.	3.0	106
28	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
29	Boron doped TiO ₂ catalysts for photocatalytic ozonation of aqueous mixtures of common pesticides: Diuron, o-phenylphenol, MCPA and terbuthylazine. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 74-81.	20.2	103
30	Industrial wastewater advanced oxidation. Part 2. Ozone combined with hydrogen peroxide or UV radiation. <i>Water Research</i> , 1997, 31, 2415-2428.	11.3	101
31	Treatment of Cheese Whey Wastewater: Combined Coagulation-Flocculation and Aerobic Biodegradation. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7871-7877.	5.2	95
32	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
33	Advanced oxidation of atrazine in water. Ozonation. <i>Water Research</i> , 1994, 28, 2153-2164.	11.3	91
34	Comparison between photocatalytic ozonation and other oxidation processes for the removal of phenols from water. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 973-984.	3.2	91
35	Treatment of highly polluted industrial wastewater by means of sequential aerobic biological oxidation-ozone based AOPs. <i>Chemical Engineering Journal</i> , 2019, 361, 89-98.	12.7	91
36	Catalytic ozonation promoted by alumina-based catalysts for the removal of some pharmaceutical compounds from water. <i>Chemical Engineering Journal</i> , 2011, 168, 1289-1295.	12.7	89

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37	Fenton Reagent Advanced Oxidation of Polynuclear Aromatic Hydrocarbons in Water. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 685-700.	2.4	88
38	Nitroaromatic Hydrocarbon Ozonation in Water. 1. Single Ozonation. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 25-31.	3.7	88
39	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
40	WO ₃ -TiO ₂ based catalysts for the simulated solar radiation assisted photocatalytic ozonation of emerging contaminants in a municipal wastewater treatment plant effluent. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 274-284.	20.2	87
41	Catalyzed Pyrolysis of Grape and Olive Bagasse. Influence of Catalyst Type and Chemical Treatment. <i>Industrial & Engineering Chemistry Research</i> , 1997, 36, 4176-4183.	3.7	85
42	Oxidation of Polynuclear Aromatic Hydrocarbons in Water. 3. UV Radiation Combined with Hydrogen Peroxide. <i>Industrial & Engineering Chemistry Research</i> , 1996, 35, 883-890.	3.7	84
43	A Kinetic Model for Advanced Oxidation Processes of Aromatic Hydrocarbons in Water: Application to Phenanthrene and Nitrobenzene. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 4189-4199.	3.7	84
44	Preparation and structural characterization of Co/Al ₂ O ₃ catalysts for the ozonation of pyruvic acid. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 322-330.	20.2	84
45	A comparison between catalytic ozonation and activated carbon adsorption/ozone-regeneration processes for wastewater treatment. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 393-400.	20.2	84
46	Enhanced activity and reusability of TiO ₂ loaded magnetic activated carbon for solar photocatalytic ozonation. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 96-106.	20.2	82
47	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
48	Ozone-Enhanced Oxidation of Oxalic Acid in Water with Cobalt Catalysts. 2. Heterogeneous Catalytic Ozonation. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3218-3224.	3.7	81
49	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
50	Mechanism considerations for photocatalytic oxidation, ozonation and photocatalytic ozonation of some pharmaceutical compounds in water. <i>Journal of Environmental Management</i> , 2013, 127, 114-124.	7.8	79
51	Degradation kinetics of p-nitrophenol ozonation in water. <i>Water Research</i> , 1992, 26, 9-17.	11.3	77
52	Advanced oxidation of atrazine in water. II. Ozonation combined with ultraviolet radiation. <i>Water Research</i> , 1994, 28, 2165-2174.	11.3	77
53	Industrial wastewater advanced oxidation. Part 1. UV radiation in the presence and absence of hydrogen peroxide. <i>Water Research</i> , 1997, 31, 2405-2414.	11.3	77
54	Gallic acid water ozonation using activated carbon. <i>Applied Catalysis B: Environmental</i> , 2006, 63, 249-259.	20.2	76

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55	Photocatalytic degradation of organics in water in the presence of iron oxides: Influence of carboxylic acids. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 240-249.	20.2	76
56	Pyrolysis of maize, sunflower, grape and tobacco residues. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 70, 400-410.	3.2	72
57	Wet Air Oxidation of Phenol. <i>Chemical Engineering Research and Design</i> , 1997, 75, 257-265.	5.6	69
58	Chemical Models of Advanced Oxidation Processes. <i>Water Quality Research Journal of Canada</i> , 1992, 27, 23-42.	2.7	68
59	Nitroaromatic Hydrocarbon Ozonation in Water. 2. Combined Ozonation with Hydrogen Peroxide or UV Radiation. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 32-40.	3.7	67
60	Hydrogen peroxide promoted wet air oxidation of phenol: influence of operating conditions and homogeneous metal catalysts. , 1999, 74, 390-398.		64
61	Chemical and photochemical degradation of acenaphthylene. Intermediate identification. <i>Journal of Hazardous Materials</i> , 2000, 75, 89-98.	12.4	64
62	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
63	Ozone-Enhanced Oxidation of Oxalic Acid in Water with Cobalt Catalysts. 1. Homogeneous Catalytic Ozonation. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3210-3217.	3.7	64
64	Oxidation of Polynuclear Aromatic Hydrocarbons in Water. 1. Ozonation. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 1596-1606.	3.7	62
65	Solar photocatalytic ozonation of a mixture of pharmaceutical compounds in water. <i>Chemosphere</i> , 2014, 113, 71-78.	8.2	61
66	Optimisation of Fenton's reagent usage as a pre-treatment for fermentation brines. <i>Journal of Hazardous Materials</i> , 2003, 96, 277-290.	12.4	60
67	Ozonation of phenolic wastewaters in the presence of a perovskite type catalyst. <i>Applied Catalysis B: Environmental</i> , 2007, 74, 203-210.	20.2	60
68	Formation of oxygen complexes by ozonation of carbonaceous materials prepared from cherry stones. <i>Carbon</i> , 2002, 40, 513-522.	10.3	59
69	Photocatalytic Ozonation of Winery Wastewaters. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9944-9950.	5.2	59
70	Removal of emergent contaminants: Integration of ozone and photocatalysis. <i>Journal of Environmental Management</i> , 2012, 100, 10-15.	7.8	59
71	Application of solar photocatalytic ozonation for the degradation of emerging contaminants in water in a pilot plant. <i>Chemical Engineering Journal</i> , 2015, 260, 399-410.	12.7	59
72	Magnetic graphene TiO ₂ -based photocatalyst for the removal of pollutants of emerging concern in water by simulated sunlight aided photocatalytic ozonation. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118275.	20.2	59

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73	Adsorption of landfill leachates onto activated carbon. Equilibrium and kinetics. Journal of Hazardous Materials, 2006, 131, 170-178.	12.4	56
74	Effects of some carboxylic acids on the Fe(III)/UVA photocatalytic oxidation of muconic acid in water. Applied Catalysis B: Environmental, 2009, 89, 214-222.	20.2	56
75	TiO ₂ and Fe (III) photocatalytic ozonation processes of a mixture of emergent contaminants of water. Water Research, 2012, 46, 152-166.	11.3	56
76	pH sequential ozonation of domestic and wine-distillery wastewaters. Water Research, 2001, 35, 929-936.	11.3	55
77	Catalytic ozonation of phenolic compounds. The case of gallic acid. Applied Catalysis B: Environmental, 2006, 67, 177-186.	20.2	55
78	Simulated solar-light assisted photocatalytic ozonation of metoprolol over titania-coated magnetic activated carbon. Applied Catalysis B: Environmental, 2012, 111-112, 246-253.	20.2	55
79	Catalysts to improve the abatement of sulfamethoxazole and the resulting organic carbon in water during ozonation. Applied Catalysis B: Environmental, 2009, 92, 262-270.	20.2	54
80	Oxidation of mecoprop in water with ozone and ozone combined with hydrogen peroxide. Industrial & Engineering Chemistry Research, 1994, 33, 125-136.	3.7	53
81	Oxone-Promoted Wet Air Oxidation of Landfill Leachates. Industrial & Engineering Chemistry Research, 2005, 44, 749-758.	3.7	52
82	On ozone-photocatalysis synergism in black-light induced reactions: Oxidizing species production in photocatalytic ozonation versus heterogeneous photocatalysis. Chemical Engineering Journal, 2012, 204-206, 131-140.	12.7	52
83	Oxidation by ozone and chlorine dioxide of two distillery wastewater contaminants: gallic acid and epicatechin. Water Research, 1993, 27, 1023-1032.	11.3	50
84	Kinetic modelling of TOC removal in the photocatalytic ozonation of diclofenac aqueous solutions. Applied Catalysis B: Environmental, 2010, 100, 289-298.	20.2	50
85	Oxidation of Polynuclear Aromatic Hydrocarbons in Water. 4. Ozone Combined with Hydrogen Peroxide. Industrial & Engineering Chemistry Research, 1996, 35, 891-898.	3.7	49
86	Ozone treatment of PAH contaminated soils: Operating variables effect. Journal of Hazardous Materials, 2009, 169, 509-515.	12.4	49
87	Reaction mechanism and kinetics of DEET visible light assisted photocatalytic ozonation with WO ₃ catalyst. Applied Catalysis B: Environmental, 2017, 202, 460-472.	20.2	49
88	Critical aspects of the stability and catalytic activity of MIL-100(Fe) in different advanced oxidation processes. Separation and Purification Technology, 2021, 255, 117660.	7.9	49
89	Wine Distillery Wastewater Degradation. 2. Improvement of Aerobic Biodegradation by Means of an Integrated Chemical (Ozone) and Biological Treatment. Journal of Agricultural and Food Chemistry, 1999, 47, 3919-3924.	5.2	48
90	Supercritical Water Oxidation of Olive Oil Mill Wastewater. Industrial & Engineering Chemistry Research, 2001, 40, 3670-3674.	3.7	48

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91	Photocatalytic degradation of organics in water in the presence of iron oxides: Effects of pH and light source. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 572-583.	20.2	48
92	Removal of emerging contaminants from municipal WWTP secondary effluents by solar photocatalytic ozonation. A pilot-scale study. <i>Separation and Purification Technology</i> , 2015, 149, 132-139.	7.9	48
93	Perovskite catalytic ozonation of pyruvic acid in water Operating conditions influence and kinetics. <i>Applied Catalysis B: Environmental</i> , 2006, 62, 93-103.	20.2	47
94	Simazine Fenton [®] ™s oxidation in a continuous reactor. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 249-258.	20.2	45
95	FeOOH and derived phases: Efficient heterogeneous catalysts for clofibric acid degradation by advanced oxidation processes (AOPs). <i>Catalysis Today</i> , 2015, 240, 46-54.	4.4	45
96	Ozonation of aqueous solutions of resorcinol and phloroglucinol. 1. Stoichiometry and absorption kinetic regime. <i>Industrial & Engineering Chemistry Research</i> , 1990, 29, 2358-2367.	3.7	44
97	Mineralization improvement of phenol aqueous solutions through heterogeneous catalytic ozonation. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 1225-1233.	3.2	44
98	Influence of structural properties on the activity of WO ₃ catalysts for visible light photocatalytic ozonation. <i>Chemical Engineering Science</i> , 2015, 126, 80-90.	3.8	44
99	Solar photo-ozonation: A novel treatment method for the degradation of water pollutants. <i>Journal of Hazardous Materials</i> , 2016, 317, 36-43.	12.4	44
100	Application of solar photocatalytic ozonation in water treatment using supported TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2019, 254, 237-245.	20.2	44
101	Mineralization of bisphenol A by advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 589-594.	3.2	43
102	Mechanism and kinetic considerations of TOC removal from the powdered activated carbon ozonation of diclofenac aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009, 169, 532-538.	12.4	41
103	Granular activated carbon promoted ozonation of a food-processing secondary effluent. <i>Journal of Hazardous Materials</i> , 2011, 185, 776-783.	12.4	41
104	Graphene oxide/titania photocatalytic ozonation of primidone in a visible LED photoreactor. <i>Journal of Hazardous Materials</i> , 2019, 369, 70-78.	12.4	41
105	Fenton-like Oxidation of Landfill Leachate. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 371-379.	1.7	40
106	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
107	Insights into the removal of terbuthylazine from aqueous solution by several treatment methods. <i>Water Research</i> , 2016, 98, 334-343.	11.3	40
108	Fluorene Oxidation by Coupling of Ozone, Radiation, and Semiconductors: A Mathematical Approach to the Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 166-174.	3.7	39

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109	Application of advanced oxidation processes to doxycycline and norfloxacin removal from water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 944-951.	1.7	39
110	Aqueous uv radiation and uv/h ₂ o ₂ oxidation of atrazine first degradation products: Deethylatrazine and deisopropylatrazine. Environmental Toxicology and Chemistry, 1996, 15, 868-872.	4.3	38
111	Kinetic modeling of powdered activated carbon ozonation of sulfamethoxazole in water. Chemical Engineering Journal, 2010, 164, 70-76.	12.7	38
112	Solar or UVA-Visible Photocatalytic Ozonation of Water Contaminants. Molecules, 2017, 22, 1177.	3.8	38
113	Aqueous degradation of atrazine and some of its main by-products with ozone/hydrogen peroxide. , 1998, 71, 345-355.		37
114	Treatment of brines by combined Fenton's reagent's aerobic biodegradation. Journal of Hazardous Materials, 2003, 96, 259-276.	12.4	37
115	Application of Ozone Involving Advanced Oxidation Processes to Remove Some Pharmaceutical Compounds from Urban Wastewaters. Ozone: Science and Engineering, 2012, 34, 3-15.	2.5	37
116	Ozonation of o-cresol in aqueous solutions. Water Research, 1990, 24, 1309-1316.	11.3	36
117	Wet Air Oxidation Of Wastewater From Olive Oil Mills. Chemical Engineering and Technology, 2001, 24, 415-421.	1.5	36
118	Some ozone advanced oxidation processes to improve the biological removal of selected pharmaceutical contaminants from urban wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 410-421.	1.7	36
119	Photocatalytic promoted oxidation of phenolic mixtures: An insight into the operating and mechanistic aspects. Water Research, 2007, 41, 4672-4684.	11.3	35
120	Nanostructured CeO ₂ as catalysts for different AOPs based in the application of ozone and simulated solar radiation. Catalysis Today, 2017, 280, 74-79.	4.4	34
121	Theoretical Aspects Of The Kinetics Of Competitive First Reactions Of Ozone In The O ₃ /H ₂ O ₂ And O ₃ /UV Oxidation Processes. Ozone: Science and Engineering, 1997, 19, 13-38.	2.5	33
122	Kinetics Of Competitive Ozonation Of Some Phenolic Compounds Present In Wastewater From Food Processing Industries. Ozone: Science and Engineering, 2000, 22, 167-183.	2.5	33
123	Comparison of different advanced oxidation processes (AOPs) in the presence of perovskites. Journal of Hazardous Materials, 2008, 155, 407-414.	12.4	33
124	Joint Treatment of Wastewater from Table Olive Processing and Urban Wastewater. Integrated Ozonation - Aerobic Oxidation. Chemical Engineering and Technology, 2000, 23, 177-181.	1.5	32
125	Study of Different Integrated Physical~Chemical + Adsorption Processes for Landfill Leachate Remediation. Industrial & Engineering Chemistry Research, 2005, 44, 2871-2878.	3.7	32
126	Kinetics of Ozone Decomposition by Granular Activated Carbon. Industrial & Engineering Chemistry Research, 2008, 47, 2545-2553.	3.7	32

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127	Ozonation of the pharmaceutical compound ranitidine: Reactivity and kinetic aspects. <i>Chemosphere</i> , 2009, 76, 651-656.	8.2	32
128	TiO ₂ photocatalytic oxidation of a mixture of emerging contaminants: A kinetic study independent of radiation absorption based on the direct-indirect model. <i>Chemical Engineering Journal</i> , 2018, 339, 369-380.	12.7	32
129	Continuous flow integrated chemical (ozone)-activated sludge system treating combined agroindustrial-domestic wastewater. <i>Environmental Progress</i> , 2000, 19, 28-35.	0.7	31
130	Formation of oxygen structures by ozonation of carbonaceous materials prepared from cherry stones. <i>Carbon</i> , 2002, 40, 523-529.	10.3	31
131	Theoretical Aspects Of The Kinetics Of Competitive Ozone Reactions In Water. <i>Ozone: Science and Engineering</i> , 1995, 17, 163-181.	2.5	30
132	Kinetic modelling of aqueous atrazine ozonation processes in a continuous flow bubble contactor. <i>Journal of Hazardous Materials</i> , 2000, 80, 189-206.	12.4	30
133	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
134	Influence of oxygen and free radicals promoters on the UV-254nm photolysis of diclofenac. <i>Chemical Engineering Journal</i> , 2010, 163, 35-40.	12.7	30
135	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
136	Free Radical and Direct Ozone Reaction Competition to Remove Priority and Pharmaceutical Water Contaminants with Single and Hydrogen Peroxide Ozonation Systems. <i>Ozone: Science and Engineering</i> , 2018, 40, 251-265.	2.5	29
137	Modelling Industrial Wastewater Ozonation In Bubble Contactors. 1. Rate Coefficient Determination. <i>Ozone: Science and Engineering</i> , 1995, 17, 355-378.	2.5	28
138	Chemical-Biological Treatment of Table Olive Manufacturing Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2001, 127, 611-619.	1.4	28
139	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
140	Pyruvic Acid Removal from Water by the Simultaneous Action of Ozone and Activated Carbon. <i>Ozone: Science and Engineering</i> , 2005, 27, 159-169.	2.5	28
141	Photocatalytic ozonation of gallic acid in water. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1787-1796.	3.2	28
142	Visible light photocatalytic ozonation of DEET in the presence of different forms of WO ₃ . <i>Catalysis Today</i> , 2015, 252, 100-106.	4.4	28
143	Henry And Mass Transfer Coefficients In The Ozonation Of Wastewaters. <i>Ozone: Science and Engineering</i> , 1997, 19, 281-296.	2.5	27
144	Photocatalytic Enhanced Oxidation of Fluorene in Water with Ozone. Comparison with Other Chemical Oxidation Methods. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 3419-3425.	3.7	27

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145	Wastewater recycling: Application of ozone based treatments to secondary effluents. <i>Chemosphere</i> , 2009, 74, 854-859.	8.2	27
146	Sunlight driven photolytic ozonation as an advanced oxidation process in the oxidation of bezafibrate, cotinine and iopamidol. <i>Water Research</i> , 2019, 151, 226-242.	11.3	26
147	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
148	Homogeneous iron-catalyzed photochemical degradation of muconic acid in water. <i>Water Research</i> , 2007, 41, 1325-1333.	11.3	25
149	Simulated solar photocatalytic ozonation of contaminants of emerging concern and effluent organic matter in secondary effluents by a reusable magnetic catalyst. <i>Chemical Engineering Journal</i> , 2020, 398, 125642.	12.7	25
150	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
151	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
152	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
153	Influence of resorcinol chemical oxidation on the removal of resulting organic carbon by activated carbon adsorption. <i>Chemosphere</i> , 2008, 70, 1366-1374.	8.2	22
154	Removal of Organic Micropollutants from a Municipal Wastewater Secondary Effluent by UVA-LED Photocatalytic Ozonation. <i>Catalysts</i> , 2019, 9, 472.	3.5	22
155	Effect of high salt concentrations on ozone decomposition in water. <i>Journal of Environmental Science and Health Part A, Environmental Science and Engineering</i> , 1989, 24, 823-842.	0.1	21
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