Eva M RodrÃ-guez

List of Publications by Year
in descending order

44 papers	2,637 citations	218677 26 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	3028 citing authors

#	Article	IF	Citations
1	Application of solar AOPs and ozonation for elimination of micropollutants in municipal wastewater treatment plant effluents. Water Research, 2013, 47, 1521-1528.	11.3	254
2	Reaction of bromine and chlorine with phenolic compounds and natural organic matter extracts â€“ Electrophilic aromatic substitution and oxidation. Water Research, 2015, 85, 476-486.	11.3	235
3	Oxidative elimination of cyanotoxins: Comparison of ozone, chlorine, chlorine dioxide and permanganate. Water Research, 2007, 41, 3381-3393.	11.3	222
4	Determination of main species involved in the first steps of TiO2 photocatalytic degradation of organics with the use of scavengers: The case of ofloxacin. Applied Catalysis B: Environmental, 2015, 178, 44-53.	20.2	193
5	Oxidation of microcystins by permanganate: Reaction kinetics and implications for water treatment. Water Research, 2007, 41, 102-110.	11.3	164
6	Comparison between thermal and ozone regenerations of spent activated carbon exhausted with phenol. Water Research, 2004, 38, 2155-2165.	11.3	149
7	Kinetics of reactions between chlorine and the cyanobacterial toxins microcystins. Water Research, 2005, 39, 1628-1638.	11.3	144
8	Kinetics of the oxidation of cylindrospermopsin and anatoxin-a with chlorine, monochloramine and permanganate. Water Research, 2007, 41, 2048-2056.	11.3	95
9	Mechanism considerations for photocatalytic oxidation, ozonation and photocatalytic ozonation of some pharmaceutical compounds in water. Journal of Environmental Management, 2013, 127, 114-124.	7.8	79
10	Oxidation of MC-LR and -RR with chlorine and potassium permanganate: Toxicity of the reaction products. Water Research, 2008, 42, 1744-1752.	11.3	77
11	Photocatalytic degradation of organics in water in the presence of iron oxides: Influence of carboxylic acids. Applied Catalysis B: Environmental, 2009, 92, 240-249.	20.2	76
12	Supported TiO₂solar photocatalysis at semi-pilot scale: degradation of pesticides found in citrus processing industry wastewater, reactivity and influence of photogenerated species. Journal of Chemical Technology and Biotechnology, 2015, 90, 149-157.	3.2	75
13	Efficiency of different solar advanced oxidation processes on the oxidation of bisphenol A in water. Applied Catalysis B: Environmental, 2010, 95, 228-237.	20.2	72
14	Treatment of High Strength Distillery Wastewater (Cherry Stillage) by Integrated Aerobic Biological Oxidation and Ozonation. Biotechnology Progress, 2001, 17, 462-467.	2.6	64
15	Solar photocatalytic ozonation of a mixture of pharmaceutical compounds in water. Chemosphere, 2014, 113, 71-78.	8.2	61
16	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
17	TiO2 and Fe (III) photocatalytic ozonation processes of a mixture of emergent contaminants of water. Water Research, 2012, 46, 152-166.	11.3	56
18	Reaction mechanism and kinetics of DEET visible light assisted photocatalytic ozonation with WO3 catalyst. Applied Catalysis B: Environmental, 2017, 202, 460-472.	20.2	49

#	Article	IF	Citations
19	Photocatalytic degradation of organics in water in the presence of iron oxides: Effects of pH and light source. Applied Catalysis B: Environmental, 2011, 102, 572-583.	20.2	48
20	Application of solar photocatalytic ozonation in water treatment using supported TiO2. Applied Catalysis B: Environmental, 2019, 254, 237-245.	20.2	44
21	Generation of hydroxyl radical during chlorination of hydroxyphenols and natural organic matter extracts. Water Research, 2020, 177, 115691.	11.3	39
22	Integration of ozone and solar TiO2-photocatalytic oxidation for the degradation of selected pharmaceutical compounds in water and wastewater. Separation and Purification Technology, 2014, 136, 18-26.	7.9	37
23	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
24	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
25	HOMOGENEOUS CATALYZED OZONATION OF SIMAZINE. EFFECT OF Mn(II) AND Fe(II). Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2001, 36, 317-330.	1.5	28
26	Oxidation of microcystin-LR with chlorine and permanganate during drinking water treatment. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 371-380.	1.4	26
27	Kinetics of simazine advanced oxidation in water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2000, 35, 439-454.	1.5	25
28	Homogeneous iron-catalyzed photochemical degradation of muconic acid in water. Water Research, 2007, 41, 1325-1333.	11.3	25
29	Influence of resorcinol chemical oxidation on the removal of resulting organic carbon by activated carbon adsorption. Chemosphere, 2008, 70, 1366-1374.	8.2	22
30	Determination of Rate Constants for Ozonation of Ofloxacin in Aqueous Solution. Ozone: Science and Engineering, 2013, 35, 186-195.	2.5	21
31	Wet peroxide degradation of atrazine. Chemosphere, 2004, 54, 71-78.	8.2	18
32	Ozone-Based Advanced Oxidation Processes for Primidone Removal in Water using Simulated Solar Radiation and TiO2 or WO3 as Photocatalyst. Molecules, 2019, 24, 1728.	3.8	18
33	Kinetics of the ozonation of muconic acid in water. Journal of Hazardous Materials, 2006, 138, 534-538.	12.4	16
34	Comparison Of Ozonation Kinetic Data From Film and Danckwerts Theories. Ozone: Science and Engineering, 1998, 20, 403-420.	2.5	14
35	Integration of Ozonation and an Anaerobic Sequencing Batch Reactor (AnSBR) for the Treatment of Cherry Stillage. Biotechnology Progress, 2005, 21, 1543-1551.	2.6	11
36	Photocatalytic ozonation in water treatment: Is there really a synergy between systems?. Water Research, 2021, 206, 117727.	11.3	11

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37	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
38	Sequential Use of Bentonites and Solar Photocatalysis to Treat Winery Wastewater. Journal of Agricultural and Food Chemistry, 2008, 56, 11956-11961.	5.2	7
39	Impact of TiO2/UVA photocatalysis on THM formation potential. Catalysis Today, 2018, 313, 167-174.	4.4	7
40	Kinetic model basis of ozone/light-based advanced oxidation processes: a pseudoempirical approach. Environmental Science: Water Research and Technology, 2020, 6, 1176-1185.	2.4	7
41	Degradation of Phenolic Compounds in Aqueous Sucrose Solutions by Ozonation. Ozone: Science and Engineering, 2017, 39, 255-263.	2.5	6
42	Degradation of bisphenol A in water by Fe(III)/UVA and Fe(III)/polycarboxylate/UVA photocatalysis. Water Science and Technology, 2010, 61, 2717-2722.	2.5	4
43	UVA LEDs and solar light photocatalytic oxidation/ozonation as a tertiary treatment using supported TiO2: With an eye on the photochemical properties of the secondary effluent. Journal of Environmental Chemical Engineering, 2022, 10, 107371.	6.7	4
44	Incidence of an Ozonation Stage on the Treatment of Cherry Stillage by Activated Sludge. Ozone: Science and Engineering, 2004, 26, 257-266.	2.5	3