

Jess Beltran-Heredia

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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.

71 papers	2,936 citations	34 h-index	53 g-index
72 ext. papers	3,152 ext. citations	6.5 avg, IF	5.01 L-index

#	Paper	IF	Citations
71	Henry's law constant for the ozone-water system. <i>Water Research</i> , 1989 , 23, 1239-1246	12.5	202
70	Ozone decomposition in water: kinetic study. <i>Industrial & Engineering Chemistry Research</i> , 1987 , 26, 39-43	3.9	197
69	Contribution of free radicals to chlorophenols decomposition by several advanced oxidation processes. <i>Chemosphere</i> , 2000 , 41, 1271-7	8.4	138
68	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO ₂ /UV radiation: comparison and modelling of reaction kinetic. <i>Journal of Hazardous Materials</i> , 2001 , 83, 255-64	12.8	100
67	Vis and UV photocatalytic detoxification methods (using TiO ₂ , TiO ₂ /H ₂ O ₂ , TiO ₂ /O ₃ , TiO ₂ /S ₂ O ₈ ²⁻ /O ₃ , H ₂ O ₂ , S ₂ O ₈ ²⁻ /Fe ³⁺ /H ₂ O ₂ and Fe ³⁺ /H ₂ O ₂ /C ₂ O ₄ ²⁻) for dyes treatment. <i>Catalysis Today</i> , 2005 , 101, 389-395	5.3	97
66	On the use of carbon blacks as potential low-cost adsorbents for the removal of non-steroidal anti-inflammatory drugs from river water. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1046-53	12.8	94
65	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. <i>Journal of Hazardous Materials</i> , 2009 , 165, 1215-8	12.8	87
64	Removal of sodium lauryl sulphate by coagulation/flocculation with Moringa oleifera seed extract. <i>Journal of Hazardous Materials</i> , 2009 , 164, 713-9	12.8	82
63	Aerobic degradation of olive mill wastewaters. <i>Applied Microbiology and Biotechnology</i> , 1997 , 47, 185-8	5.7	82
62	Novel tannin-based adsorbent in removing cationic dye (Methylene Blue) from aqueous solution. Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2010 , 174, 9-16	12.8	81
61	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. <i>Water Research</i> , 2000 , 34, 3515-3522	12.5	67
60	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. <i>Chemosphere</i> , 2001 , 42, 351-9	8.4	67
59	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. <i>Journal of Hazardous Materials</i> , 2009 , 170, 43-50	12.8	65
58	Rate constants for the reactions of ozone with chlorophenols in aqueous solutions. <i>Journal of Hazardous Materials</i> , 2000 , 79, 271-85	12.8	65
57	Removal of Carmine Indigo Dye with Moringa oleifera Seed Extract. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6512-6520	3.9	63
56	Degradation of protocatechuic acid by two advanced oxidation processes: Ozone/UV radiation and H ₂ O ₂ /UV radiation. <i>Water Research</i> , 1996 , 30, 1597-1604	12.5	61
55	Azo dye removal by Moringa oleifera seed extract coagulation. <i>Coloration Technology</i> , 2008 , 124, 310-317		60

54	Treatment of olive mill wastewaters by ozonation, aerobic degradation and the combination of both treatments. <i>Journal of Chemical Technology and Biotechnology</i> , 1999 , 74, 639-646	3.5	60
53	Optimization of the synthesis of a new coagulant from a tannin extract. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1704-12	12.8	57
52	Oxidation of several chlorophenolic derivatives by UV irradiation and hydroxyl radicals. <i>Journal of Chemical Technology and Biotechnology</i> , 2001 , 76, 312-320	3.5	57
51	Municipal wastewater treatment by modified tannin flocculant agent. <i>Desalination</i> , 2009 , 249, 353-358	10.3	52
50	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. <i>Water Research</i> , 2001 , 35, 1077-85	12.5	52
49	Simultaneous photodegradation and ozonation plus UV radiation of phenolic acids major pollutants in agro-industrial wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 1997 , 70, 253-260	3.5	48
48	Integrated Fenton's reagent-coagulation/flocculation process for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , 2004 , 107, 115-21	12.8	45
47	Anionic Surfactants Removal by Natural Coagulant/Flocculant Products. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 5085-5092	3.9	44
46	Improvement of the flocculation process in water treatment by using moringa oleifera seeds extract. <i>Brazilian Journal of Chemical Engineering</i> , 2012 , 29, 495-502	1.7	43
45	Ozonation Kinetics of Phenolic Acids Present in Wastewaters from Olive Oil Mills. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 638-644	3.9	43
44	Evaluation of Ferric Chloride as a Coagulant for Cork Processing Wastewaters. Influence of the Operating Conditions on the Removal of Organic Matter and Settability Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 6539-6548	3.9	43
43	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. <i>Process Biochemistry</i> , 2000 , 35, 1183-1190	4.8	39
42	Process Integration: Continuous Anaerobic Digestion/Ozonation Treatment of Olive Mill Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8750-8755	3.9	37
41	Treatment of cork process wastewater by a successive chemical-physical method. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 4501-7	5.7	37
40	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. <i>Applied Surface Science</i> , 2006 , 252, 6031-6035	6.7	35
39	Optimization of tannin rigid foam as adsorbents for wastewater treatment. <i>Industrial Crops and Products</i> , 2013 , 49, 507-514	5.9	34
38	Improvement of water treatment pilot plant with Moringa oleifera extract as flocculant agent. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 525-34	2.6	34
37	Acacia mearnsii de Wild Tannin-Based Flocculant in Surface Water Treatment. <i>Journal of Wood Chemistry and Technology</i> , 2009 , 29, 119-135	2	34

36	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: removal of organic matter. <i>Journal of Hazardous Materials</i> , 2007 , 148, 15-21	12.8	34
35	Removal of chlorophenols in aqueous solution by carbon black low-cost adsorbents. Equilibrium study and influence of operation conditions. <i>Journal of Hazardous Materials</i> , 2009 , 169, 302-8	12.8	31
34	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. <i>Journal of Hazardous Materials</i> , 2000 , 73, 161-78	12.8	30
33	Photooxidation of Carbofuran by a Polychromatic UV Irradiation without and with Hydrogen Peroxide. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 4099-4105	3.9	30
32	Kinetics of the biodegradation of green table olive wastewaters by aerobic and anaerobic treatments. <i>Journal of Hazardous Materials</i> , 2008 , 154, 839-45	12.8	26
31	Caesalpinia spinosa and Castanea sativa tannins: A new source of biopolymers with adsorbent capacity. Preliminary assessment on cationic dye removal. <i>Industrial Crops and Products</i> , 2011 , 34, 1238-1240	5.9	23
30	Microalgae removal with Moringa oleifera. <i>Toxicon</i> , 2016 , 110, 68-73	2.8	22
29	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 50-57	3.9	21
28	Adsorbents from Schinopsis balansae: Optimisation of significant variables. <i>Industrial Crops and Products</i> , 2011 , 33, 409-417	5.9	21
27	Aluminium sulfate as coagulant for highly polluted cork processing wastewater: Evaluation of settleability parameters and design of a clarifier-thickener unit. <i>Journal of Hazardous Materials</i> , 2007 , 148, 6-14	12.8	21
26	Degradation By Ozone and UV Radiation of the Herbicide Cyanazine. <i>Ozone: Science and Engineering</i> , 1994 , 16, 213-234	2.4	21
25	Kinetics of the reaction between ozone and MCPA. <i>Water Research</i> , 1991 , 25, 1345-1349	12.5	21
24	Kinetics of the Oxidation of p-Hydroxybenzoic Acid by the H ₂ O ₂ /UV System. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 3104-3108	3.9	20
23	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 686-693	3.9	19
22	Tannin-Based Coagulants in the Depuration of Textile Wastewater Effluents: Elimination of Anthraquinonic Dyes. <i>Water, Air, and Soil Pollution</i> , 2011 , 222, 53-64	2.6	17
21	Removal of Oocystis algae from freshwater by means of tannin-based coagulant. <i>Journal of Applied Phycology</i> , 2016 , 28, 1589-1595	3.2	16
20	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2000 , 75, 561-568	3.5	16
19	OZONE TREATMENT OF METHYLENE BLUE IN AQUEOUS SOLUTIONS. <i>Chemical Engineering Communications</i> , 1993 , 119, 151-165	2.2	16

18	Azo Dye Ozonation Film Theory Utilization for Kinetic Studies. <i>Ozone: Science and Engineering</i> , 1989 , 11, 391-409	2.4	16
17	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. <i>Desalination</i> , 2010 , 252, 167-171	10.3	15
16	Advanced Oxidation Processes In The Degradation Of Cyanazine. <i>Ozone: Science and Engineering</i> , 1995 , 17, 237-258	2.4	12
15	Photochemical oxidation of protocatechuic acid. <i>Water Research</i> , 1994 , 28, 2095-2100	12.5	10
14	Microalgal removal with natural coagulants. <i>Phycologia</i> , 2016 , 55, 688-695	2.7	9
13	Photolytic Decomposition of Bentazone. <i>Journal of Chemical Technology and Biotechnology</i> , 1996 , 66, 206-212	3.5	9
12	Multiparameter Quantitative Optimization in the Synthesis of a Novel Coagulant Derived from Tannin Extracts for Water Treatment. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2277-2286	2.6	8
11	Oxidation of Vanillic acid as a model of polyphenolic compound present in olive oil wastewaters. II. Photochemical oxidation and combined ozone-UV oxidation. <i>Toxicological and Environmental Chemistry</i> , 1995 , 47, 141-153	1.4	8
10	Kinetic Study of Propoxur Oxidation by UV Radiation and Combined O ₃ /UV Radiation. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 1264-1270	3.9	8
9	Protocatechuic acid ozonation in aqueous solutions. <i>Water Research</i> , 1993 , 27, 1519-1525	12.5	6
8	Adsorbent Derived from Pinus pinaster Tannin for Cationic Surfactant Removal. <i>Journal of Wood Chemistry and Technology</i> , 2012 , 32, 28-50	2	5
7	Optimum Coagulant from Acacia mearnsii de Wild for Wastewater Treatment. <i>Chemical Engineering and Technology</i> , 2011 , 34, 2069-2076	2	5
6	Ozonation and photodegradation kinetics of pollutant acids in wastewaters. <i>Canadian Journal of Chemical Engineering</i> , 1998 , 76, 936-944	2.3	5
5	Removal of Erioglaucine (Acid Blue 9) with a new coagulant agent from Acacia mearnsii tannin extract. <i>Coloration Technology</i> , 2012 , 128, 15-20	2	4
4	Nature Is the Answer: Water and Wastewater Treatment by New Natural-Based Agents 2012 , 337-375		4
3	Kinetics of the direct reaction between ozone and phenolic aldehydes. <i>Journal of Chemical Technology and Biotechnology</i> , 1998 , 72, 235-244	3.5	4
2	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. <i>Journal of Advanced Oxidation Technologies</i> , 2009 , 12,		1
1	Absorption Kinetics of Ozone in Aqueous Solutions of Malathion. <i>Ozone: Science and Engineering</i> , 1991 , 13, 487-499	2.4	0

