

# Jess Beltran-Heredia

## List of Publications by Year in Descending Order

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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	Removal of Oocystis algae from freshwater by means of tannin-based coagulant. <i>Journal of Applied Phycology</i> , <b>2016</b> , 28, 1589-1595	3.2	16
70	Microalgae removal with Moringa oleifera. <i>Toxicon</i> , <b>2016</b> , 110, 68-73	2.8	22
69	Microalgal removal with natural coagulants. <i>Phycologia</i> , <b>2016</b> , 55, 688-695	2.7	9
68	Optimization of tannin rigid foam as adsorbents for wastewater treatment. <i>Industrial Crops and Products</i> , <b>2013</b> , 49, 507-514	5.9	34
67	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 50-57	3.9	21
66	Adsorbent Derived from Pinus pinaster Tannin for Cationic Surfactant Removal. <i>Journal of Wood Chemistry and Technology</i> , <b>2012</b> , 32, 28-50	2	5
65	Improvement of the flocculation process in water treatment by using moringa oleifera seeds extract. <i>Brazilian Journal of Chemical Engineering</i> , <b>2012</b> , 29, 495-502	1.7	43
64	Multiparameter Quantitative Optimization in the Synthesis of a Novel Coagulant Derived from Tannin Extracts for Water Treatment. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 2277-2286	2.6	8
63	Removal of Erioglaurine (Acid Blue 9) with a new coagulant agent from Acacia mearnsii tannin extract. <i>Coloration Technology</i> , <b>2012</b> , 128, 15-20	2	4
62	Nature Is the Answer: Water and Wastewater Treatment by New Natural-Based Agents <b>2012</b> , 337-375		4
61	Adsorbents from Schinopsis balansae: Optimisation of significant variables. <i>Industrial Crops and Products</i> , <b>2011</b> , 33, 409-417	5.9	21
60	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> , <b>2011</b> , 34, 1238-1240	5.9	23
59	Tannin-Based Coagulants in the Depuration of Textile Wastewater Effluents: Elimination of Anthraquinonic Dyes. <i>Water, Air, and Soil Pollution</i> , <b>2011</b> , 222, 53-64	2.6	17
58	Optimum Coagulant from Acacia mearnsii de Wild for Wastewater Treatment. <i>Chemical Engineering and Technology</i> , <b>2011</b> , 34, 2069-2076	2	5
57	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 686-693	3.9	19
56	Optimization of the synthesis of a new coagulant from a tannin extract. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1704-12	12.8	57
55	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> , <b>2010</b> , 177, 1046-53	12.8	94

54	Novel tannin-based adsorbent in removing cationic dye (Methylene Blue) from aqueous solution. Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 174, 9-16	12.8	81
53	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. <i>Desalination</i> , <b>2010</b> , 252, 167-171	10.3	15
52	Removal of sodium lauryl sulphate by coagulation/flocculation with Moringa oleifera seed extract. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 713-9	12.8	82
51	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 1215-8	12.8	87
50	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> , <b>2009</b> , 169, 302-8	12.8	31
49	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 43-50	12.8	65
48	Municipal wastewater treatment by modified tannin flocculant agent. <i>Desalination</i> , <b>2009</b> , 249, 353-358	10.3	52
47	Anionic Surfactants Removal by Natural Coagulant/Flocculant Products. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5085-5092	3.9	44
46	Improvement of water treatment pilot plant with Moringa oleifera extract as flocculant agent. <i>Environmental Technology (United Kingdom)</i> , <b>2009</b> , 30, 525-34	2.6	34
45	Acacia mearnsii de Wild Tannin-Based Flocculant in Surface Water Treatment. <i>Journal of Wood Chemistry and Technology</i> , <b>2009</b> , 29, 119-135	2	34
44	Removal of Carmine Indigo Dye with Moringa oleifera Seed Extract. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6512-6520	3.9	63
43	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. <i>Journal of Advanced Oxidation Technologies</i> , <b>2009</b> , 12,		1
42	Azo dye removal by Moringa oleifera seed extract coagulation. <i>Coloration Technology</i> , <b>2008</b> , 124, 310-317		60
41	Kinetics of the biodegradation of green table olive wastewaters by aerobic and anaerobic treatments. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 839-45	12.8	26
40	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> , <b>2007</b> , 148, 6-14	12.8	21
39	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: removal of organic matter. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 148, 15-21	12.8	34
38	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. <i>Applied Surface Science</i> , <b>2006</b> , 252, 6031-6035	6.7	35
37	Evaluation of Ferric Chloride as a Coagulant for Cork Processing Wastewaters. Influence of the Operating Conditions on the Removal of Organic Matter and Settleability Parameters. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 6539-6548	3.9	43

36	Process Integration: Continuous Anaerobic Digestion/Ozonation Treatment of Olive Mill Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 8750-8755	3.9	37
35	Vis and UV photocatalytic detoxification methods (using TiO <sub>2</sub> , TiO <sub>2</sub> /H <sub>2</sub> O <sub>2</sub> , TiO <sub>2</sub> /O <sub>3</sub> , TiO <sub>2</sub> /S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> /O <sub>3</sub> , H <sub>2</sub> O <sub>2</sub> , S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> /Fe <sup>3+</sup> /H <sub>2</sub> O <sub>2</sub> and Fe <sup>3+</sup> /H <sub>2</sub> O <sub>2</sub> /C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> ) for dyes treatment. <i>Catalysis Today</i> , <b>2005</b> , 101, 389-395	5.3	97
34	Integrated Fenton's reagent-coagulation/flocculation process for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , <b>2004</b> , 107, 115-21	12.8	45
33	Treatment of cork process wastewater by a successive chemical-physical method. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 4501-7	5.7	37
32	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO <sub>2</sub> /UV radiation: comparison and modelling of reaction kinetic. <i>Journal of Hazardous Materials</i> , <b>2001</b> , 83, 255-64	12.8	100
31	Oxidation of several chlorophenolic derivatives by UV irradiation and hydroxyl radicals. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2001</b> , 76, 312-320	3.5	57
30	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. <i>Water Research</i> , <b>2001</b> , 35, 1077-85	12.5	52
29	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. <i>Chemosphere</i> , <b>2001</b> , 42, 351-9	8.4	67
28	Kinetics of the Oxidation of p-Hydroxybenzoic Acid by the H <sub>2</sub> O <sub>2</sub> /UV System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 3104-3108	3.9	20
27	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2000</b> , 75, 561-568	3.5	16
26	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. <i>Process Biochemistry</i> , <b>2000</b> , 35, 1183-1190	4.8	39
25	Rate constants for the reactions of ozone with chlorophenols in aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2000</b> , 79, 271-85	12.8	65
24	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. <i>Journal of Hazardous Materials</i> , <b>2000</b> , 73, 161-78	12.8	30
23	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. <i>Water Research</i> , <b>2000</b> , 34, 3515-3522	12.5	67
22	Contribution of free radicals to chlorophenols decomposition by several advanced oxidation processes. <i>Chemosphere</i> , <b>2000</b> , 41, 1271-7	8.4	138
21	Treatment of olive mill wastewaters by ozonation, aerobic degradation and the combination of both treatments. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1999</b> , 74, 639-646	3.5	60
20	Ozonation and photodegradation kinetics of pollutant acids in wastewaters. <i>Canadian Journal of Chemical Engineering</i> , <b>1998</b> , 76, 936-944	2.3	5
19	Kinetics of the direct reaction between ozone and phenolic aldehydes. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1998</b> , 72, 235-244	3.5	4

18	Ozonation Kinetics of Phenolic Acids Present in Wastewaters from Olive Oil Mills. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1997</b> , 36, 638-644	3.9	43
17	Aerobic degradation of olive mill wastewaters. <i>Applied Microbiology and Biotechnology</i> , <b>1997</b> , 47, 185-8	5.7	82
16	Simultaneous photodegradation and ozonation plus UV radiation of phenolic acids and major pollutants in agro-industrial wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1997</b> , 70, 253-260	3.5	48
15	Degradation of protocatechuic acid by two advanced oxidation processes: Ozone/UV radiation and H <sub>2</sub> O <sub>2</sub> /UV radiation. <i>Water Research</i> , <b>1996</b> , 30, 1597-1604	12.5	61
14	Photolytic Decomposition of Bentazone. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1996</b> , 66, 206-212	3.5	9
13	Advanced Oxidation Processes In The Degradation Of Cyanazine. <i>Ozone: Science and Engineering</i> , <b>1995</b> , 17, 237-258	2.4	12
12	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> , <b>1995</b> , 47, 141-153	1.4	8
11	Photooxidation of Carbofuran by a Polychromatic UV Irradiation without and with Hydrogen Peroxide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1995</b> , 34, 4099-4105	3.9	30
10	Degradation By Ozone and UV Radiation of the Herbicide Cyanazine. <i>Ozone: Science and Engineering</i> , <b>1994</b> , 16, 213-234	2.4	21
9	Photochemical oxidation of protocatechuic acid. <i>Water Research</i> , <b>1994</b> , 28, 2095-2100	12.5	10
8	Kinetic Study of Propoxur Oxidation by UV Radiation and Combined O <sub>3</sub> /UV Radiation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1994</b> , 33, 1264-1270	3.9	8
7	Protocatechuic acid ozonation in aqueous solutions. <i>Water Research</i> , <b>1993</b> , 27, 1519-1525	12.5	6
6	OZONE TREATMENT OF METHYLENE BLUE IN AQUEOUS SOLUTIONS. <i>Chemical Engineering Communications</i> , <b>1993</b> , 119, 151-165	2.2	16
5	Absorption Kinetics of Ozone in Aqueous Solutions of Malathion. <i>Ozone: Science and Engineering</i> , <b>1991</b> , 13, 487-499	2.4	0
4	Kinetics of the reaction between ozone and MCPA. <i>Water Research</i> , <b>1991</b> , 25, 1345-1349	12.5	21
3	Henry's law constant for the ozone-water system. <i>Water Research</i> , <b>1989</b> , 23, 1239-1246	12.5	202
2	Azo Dye Ozonation Film Theory Utilization for Kinetic Studies. <i>Ozone: Science and Engineering</i> , <b>1989</b> , 11, 391-409	2.4	16
1	Ozone decomposition in water: kinetic study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1987</b> , 26, 39-43	3.9	197

