

# JesÃ³s Beltran-Heredia

## List of Publications by Year in descending order

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72  
papers

3,460  
citations

109321

35  
h-index

138484

58  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3226  
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	Ozone decomposition in water: kinetic study. <i>Industrial &amp; Engineering Chemistry Research</i> , 1987, 26, 39-43.	3.7	220
3	Contribution of free radicals to chlorophenols decomposition by several advanced oxidation processes. <i>Chemosphere</i> , 2000, 41, 1271-1277.	8.2	167
4	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, 1046-1053.	12.4	117
5	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. <i>Journal of Hazardous Materials</i> , 2009, 165, 1215-1218.	12.4	111
6	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> , 2001, 83, 255-264.	12.4	109
7	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> ), Tj ETQq1 1 0.784314 rgBT   O <sub>4.4</sub> 105	12.4	105
8	Removal of sodium lauryl sulphate by coagulation/flocculation with <i>Moringa oleifera</i> seed extract. <i>Journal of Hazardous Materials</i> , 2009, 164, 713-719.	12.4	101
9	Aerobic degradation of olive mill wastewaters. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 185-188.	3.6	92
10	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.	12.4	91
11	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. <i>Chemosphere</i> , 2001, 42, 351-359.	8.2	78
12	Rate constants for the reactions of ozone with chlorophenols in aqueous solutions. <i>Journal of Hazardous Materials</i> , 2000, 79, 271-285.	12.4	75
13	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. <i>Water Research</i> , 2000, 34, 3515-3522.	11.3	75
14	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. <i>Journal of Hazardous Materials</i> , 2009, 170, 43-50.	12.4	74
15	Removal of Carmine Indigo Dye with <i>Moringa oleifera</i> Seed Extract. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 6512-6520.	3.7	74
16	Azo dye removal by <i>Moringa oleifera</i> seed extract coagulation. <i>Coloration Technology</i> , 2008, 124, 310-317.	1.5	71
17	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> , 1996, 30, 1597-1604.	11.3	70
18	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.	3.2	70

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19	Oxidation of several chlorophenolic derivatives by UV irradiation and hydroxyl radicals. Journal of Chemical Technology and Biotechnology, 2001, 76, 312-320.	3.2	69
20	Municipal wastewater treatment by modified tannin flocculant agent. Desalination, 2009, 249, 353-358.	8.2	68
21	Optimization of the synthesis of a new coagulant from a tannin extract. Journal of Hazardous Materials, 2011, 186, 1704-1712.	12.4	68
22	Improvement of the flocculation process in water treatment by using moringa oleifera seeds extract. Brazilian Journal of Chemical Engineering, 2012, 29, 495-502.	1.3	61
23	Simultaneous photodegradation and ozonation plus UV radiation of phenolic acids major pollutants in agro-industrial wastewaters. Journal of Chemical Technology and Biotechnology, 1997, 70, 253-260.	3.2	56
24	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. Water Research, 2001, 35, 1077-1085.	11.3	56
25	Integrated Fenton's reagent coagulation/flocculation process for the treatment of cork processing wastewaters. Journal of Hazardous Materials, 2004, 107, 115-121.	12.4	55
26	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. Industrial & Engineering Chemistry Research, 2005, 44, 6539-6548.	3.7	54
27	Ozonation Kinetics of Phenolic Acids Present in Wastewaters from Olive Oil Mills. Industrial & Engineering Chemistry Research, 1997, 36, 638-644.	3.7	53
28	Anionic Surfactants Removal by Natural Coagulant/Flocculant Products. Industrial & Engineering Chemistry Research, 2009, 48, 5085-5092.	3.7	51
29	Optimization of tannin rigid foam as adsorbents for wastewater treatment. Industrial Crops and Products, 2013, 49, 507-514.	5.2	49
30	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. Process Biochemistry, 2000, 35, 1183-1190.	3.7	43
31	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: Removal of organic matter. Journal of Hazardous Materials, 2007, 148, 15-21.	12.4	43
32	Treatment of Cork Process Wastewater by a Successive Chemical-Physical Method. Journal of Agricultural and Food Chemistry, 2004, 52, 4501-4507.	5.2	39
33	Process Integration: Continuous Anaerobic Digestion-Ozonation Treatment of Olive Mill Wastewater. Industrial & Engineering Chemistry Research, 2005, 44, 8750-8755.	3.7	39
34	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. Applied Surface Science, 2006, 252, 6031-6035.	6.1	39
35	Removal of chlorophenols in aqueous solution by carbon black low-cost adsorbents. Equilibrium study and influence of operation conditions. Journal of Hazardous Materials, 2009, 169, 302-308.	12.4	39
36	<i>Acacia mearnsii</i> de Wild Tannin-Based Flocculant in Surface Water Treatment. Journal of Wood Chemistry and Technology, 2009, 29, 119-135.	1.7	38

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37	Improvement of water treatment pilot plant with <i>Moringa oleifera</i> extract as flocculant agent. <i>Environmental Technology</i> (United Kingdom), 2009, 30, 525-534.	2.2	36
38	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. <i>Journal of Hazardous Materials</i> , 2000, 73, 161-178.	12.4	35
39	Photooxidation of Carbofuran by a Polychromatic UV Irradiation without and with Hydrogen Peroxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 1995, 34, 4099-4105.	3.7	32
40	Kinetics of the biodegradation of green table olive wastewaters by aerobic and anaerobic treatments. <i>Journal of Hazardous Materials</i> , 2008, 154, 839-845.	12.4	30
41	Microalgae removal with <i>Moringa oleifera</i> . <i>Toxicon</i> , 2016, 110, 68-73.	1.6	29
42	Adsorbents from <i>Schinopsis balansae</i> : Optimisation of significant variables. <i>Industrial Crops and Products</i> , 2011, 33, 409-417.	5.2	27
43	<i>Caesalpinia spinosa</i> and <i>Castanea sativa</i> 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.	5.2	27
44	Kinetics of the reaction between ozone and MCPA. <i>Water Research</i> , 1991, 25, 1345-1349.	11.3	26
45	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.	12.4	26
46	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.	3.2	24
47	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 50-57.	3.7	24
48	Degradation By Ozone and UV Radiation of the Herbicide Cyanazine. <i>Ozone: Science and Engineering</i> , 1994, 16, 213-234.	2.5	23
49	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> , 2001, 40, 3104-3108.	3.7	23
50	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 686-693.	3.7	22
51	Removal of <i>Oocystis</i> algae from freshwater by means of tannin-based coagulant. <i>Journal of Applied Phycology</i> , 2016, 28, 1589-1595.	2.8	22
52	OZONE TREATMENT OF METHYLENE BLUE IN AQUEOUS SOLUTIONS. <i>Chemical Engineering Communications</i> , 1993, 119, 151-165.	2.6	20
53	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.	2.4	19
54	Azo Dye Ozonation Film Theory Utilization for Kinetic Studies. <i>Ozone: Science and Engineering</i> , 1989, 11, 391-409.	2.5	16

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55	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. <i>Desalination</i> , 2010, 252, 167-171.	8.2	15
56	Photochemical oxidation of protocatechuic acid. <i>Water Research</i> , 1994, 28, 2095-2100.	11.3	14
57	Advanced Oxidation Processes In The Degradation Of Cyanazine. <i>Ozone: Science and Engineering</i> , 1995, 17, 237-258.	2.5	14
58	Kinetic Study of Propoxur Oxidation by UV Radiation and Combined O <sub>3</sub> /UV Radiation. <i>Industrial &amp; Engineering Chemistry Research</i> , 1994, 33, 1264-1270.	3.7	11
59	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.	1.2	10
60	Microalgal removal with natural coagulants. <i>Phycologia</i> , 2016, 55, 688-695.	1.4	10
61	Photolytic Decomposition of Bentazone. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 66, 206-212.	3.2	10
62	Protocatechuic acid ozonation in aqueous solutions. <i>Water Research</i> , 1993, 27, 1519-1525.	11.3	9
63	Optimum Coagulant from <i>Acacia mearnsii</i> de Wild for Wastewater Treatment. <i>Chemical Engineering and Technology</i> , 2011, 34, 2069-2076.	1.5	9
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> , 2012, 223, 2277-2286.	2.4	8
65	Ozonation and photodegradation kinetics of pollutant acids in wastewaters. <i>Canadian Journal of Chemical Engineering</i> , 1998, 76, 936-944.	1.7	6
66	Adsorbent Derived from <i>Pinus pinaster</i> Tannin for Cationic Surfactant Removal. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 28-50.	1.7	6
67	Kinetics of the direct reaction between ozone and phenolic aldehydes. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 235-244.	3.2	5
68	Nature Is the Answer: Water and Wastewater Treatment by New Natural-Based Agents. , 2012, , 337-375.		5
69	Removal of Erioglaucline (Acid Blue-9) with a new coagulant agent from <i>Acacia mearnsii</i> tannin extract. <i>Coloration Technology</i> , 2012, 128, 15-20.	1.5	4
70	Absorption Kinetics of Ozone in Aqueous Solutions of Malathion. <i>Ozone: Science and Engineering</i> , 1991, 13, 487-499.	2.5	1
71	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	1
72	Degradation of <i>Microcystis</i> sp. in Surface Water by Ozone. , 0, , .		0