

JesÃ³s Beltran-Heredia

List of Publications by Year in descending order

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72
papers

3,460
citations

109137

35
h-index

138251

58
g-index

72
all docs

72
docs citations

72
times ranked

3226
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal removal with natural coagulants. <i>Phycologia</i> , 2016, 55, 688-695.	0.6	10
2	Removal of <i>Oocystis</i> algae from freshwater by means of tannin-based coagulant. <i>Journal of Applied Phycology</i> , 2016, 28, 1589-1595.	1.5	22
3	Microalgae removal with <i>Moringa oleifera</i> . <i>Toxicon</i> , 2016, 110, 68-73.	0.8	29
4	Optimization of tannin rigid foam as adsorbents for wastewater treatment. <i>Industrial Crops and Products</i> , 2013, 49, 507-514.	2.5	49
5	Nature Is the Answer: Water and Wastewater Treatment by New Natural-Based Agents. , 2012, , 337-375.		5
6	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 50-57.	1.8	24
7	Adsorbent Derived from <i>Pinus pinaster</i> Tannin for Cationic Surfactant Removal. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 28-50.	0.9	6
8	Improvement of the flocculation process in water treatment by using <i>moringa oleifera</i> seeds extract. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 495-502.	0.7	61
9	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.	1.1	8
10	Removal of Erioglaurine (Acid Blue 9) with a new coagulant agent from <i>Acacia mearnsii</i> tannin extract. <i>Coloration Technology</i> , 2012, 128, 15-20.	0.7	4
11	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 686-693.	1.8	22
12	Adsorbents from <i>Schinopsis balansae</i> : Optimisation of significant variables. <i>Industrial Crops and Products</i> , 2011, 33, 409-417.	2.5	27
13	<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.	2.5	27
14	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.	1.1	19
15	Optimum Coagulant from <i>Acacia mearnsii</i> de Wild for Wastewater Treatment. <i>Chemical Engineering and Technology</i> , 2011, 34, 2069-2076.	0.9	9
16	Optimization of the synthesis of a new coagulant from a tannin extract. <i>Journal of Hazardous Materials</i> , 2011, 186, 1704-1712.	6.5	68
17	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.	6.5	117
18	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.	6.5	91

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19	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. <i>Desalination</i> , 2010, 252, 167-171.	4.0	15
20	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.	6.5	101
21	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. <i>Journal of Hazardous Materials</i> , 2009, 165, 1215-1218.	6.5	111
22	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, 302-308.	6.5	39
23	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. <i>Journal of Hazardous Materials</i> , 2009, 170, 43-50.	6.5	74
24	Municipal wastewater treatment by modified tannin flocculant agent. <i>Desalination</i> , 2009, 249, 353-358.	4.0	68
25	Anionic Surfactants Removal by Natural Coagulant/Flocculant Products. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5085-5092.	1.8	51
26	Improvement of water treatment pilot plant with <i>Moringa oleifera</i> extract as flocculant agent. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 525-534.	1.2	36
27	<i>Acacia mearnsii</i> de Wild Tannin-Based Flocculant in Surface Water Treatment. <i>Journal of Wood Chemistry and Technology</i> , 2009, 29, 119-135.	0.9	38
28	Removal of Carmine Indigo Dye with <i>Moringa oleifera</i> Seed Extract. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6512-6520.	1.8	74
29	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
30	Kinetics of the biodegradation of green table olive wastewaters by aerobic and anaerobic treatments. <i>Journal of Hazardous Materials</i> , 2008, 154, 839-845.	6.5	30
31	Azo dye removal by <i>Moringa oleifera</i> seed extract coagulation. <i>Coloration Technology</i> , 2008, 124, 310-317.	0.7	71
32	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.	6.5	26
33	Aluminium sulfate as coagulant for highly polluted cork processing wastewaters: Removal of organic matter. <i>Journal of Hazardous Materials</i> , 2007, 148, 15-21.	6.5	43
34	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. <i>Applied Surface Science</i> , 2006, 252, 6031-6035.	3.1	39
35	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 ,) <i>Environmental Technology</i> , 2006, 27, 1079-1085.	2.2	105
36	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 & Engineering Chemistry Research</i> , 2005, 44, 6539-6548.	1.8	54

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37	Process Integration: A Continuous Anaerobic Digestion Ozone Treatment of Olive Mill Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8750-8755.	1.8	39
38	Integrated Fenton's reagent coagulation/flocculation process for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , 2004, 107, 115-121.	6.5	55
39	Treatment of Cork Process Wastewater by a Successive Chemical-Physical Method. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4501-4507.	2.4	39
40	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. <i>Water Research</i> , 2001, 35, 1077-1085.	5.3	56
41	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. <i>Chemosphere</i> , 2001, 42, 351-359.	4.2	78
42	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.	1.8	23
43	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, 255-264.	6.5	109
44	Oxidation of several chlorophenolic derivatives by UV irradiation and hydroxyl radicals. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 312-320.	1.6	69
45	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.	1.6	24
46	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. <i>Process Biochemistry</i> , 2000, 35, 1183-1190.	1.8	43
47	Rate constants for the reactions of ozone with chlorophenols in aqueous solutions. <i>Journal of Hazardous Materials</i> , 2000, 79, 271-285.	6.5	75
48	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. <i>Journal of Hazardous Materials</i> , 2000, 73, 161-178.	6.5	35
49	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. <i>Water Research</i> , 2000, 34, 3515-3522.	5.3	75
50	Contribution of free radicals to chlorophenols decomposition by several advanced oxidation processes. <i>Chemosphere</i> , 2000, 41, 1271-1277.	4.2	167
51	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.	1.6	70
52	Ozonation and photodegradation kinetics of pollutant acids in wastewaters. <i>Canadian Journal of Chemical Engineering</i> , 1998, 76, 936-944.	0.9	6
53	Kinetics of the direct reaction between ozone and phenolic aldehydes. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 235-244.	1.6	5
54	Ozonation Kinetics of Phenolic Acids Present in Wastewaters from Olive Oil Mills. <i>Industrial & Engineering Chemistry Research</i> , 1997, 36, 638-644.	1.8	53

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55	Aerobic degradation of olive mill wastewaters. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 185-188.	1.7	92
56	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.	1.6	56
57	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.	5.3	70
58	Photolytic Decomposition of Bentazone. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 66, 206-212.	1.6	10
59	Advanced Oxidation Processes In The Degradation Of Cyanazine. <i>Ozone: Science and Engineering</i> , 1995, 17, 237-258.	1.4	14
60	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.	0.6	10
61	Photooxidation of Carbofuran by a Polychromatic UV Irradiation without and with Hydrogen Peroxide. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 4099-4105.	1.8	32
62	Degradation By Ozone and UV Radiation of the Herbicide Cyanazine. <i>Ozone: Science and Engineering</i> , 1994, 16, 213-234.	1.4	23
63	Photochemical oxidation of protocatechuic acid. <i>Water Research</i> , 1994, 28, 2095-2100.	5.3	14
64	Kinetic Study of Propoxur Oxidation by UV Radiation and Combined O ₃ /UV Radiation. <i>Industrial & Engineering Chemistry Research</i> , 1994, 33, 1264-1270.	1.8	11
65	Protocatechuic acid ozonation in aqueous solutions. <i>Water Research</i> , 1993, 27, 1519-1525.	5.3	9
66	OZONE TREATMENT OF METHYLENE BLUE IN AQUEOUS SOLUTIONS. <i>Chemical Engineering Communications</i> , 1993, 119, 151-165.	1.5	20
67	Kinetics of the reaction between ozone and MCPA. <i>Water Research</i> , 1991, 25, 1345-1349.	5.3	26
68	Absorption Kinetics of Ozone in Aqueous Solutions of Malathion. <i>Ozone: Science and Engineering</i> , 1991, 13, 487-499.	1.4	1
69	Henry's law constant for the ozone-water system. <i>Water Research</i> , 1989, 23, 1239-1246.	5.3	241
70	Azo Dye Ozonation Film Theory Utilization for Kinetic Studies. <i>Ozone: Science and Engineering</i> , 1989, 11, 391-409.	1.4	16
71	Ozone decomposition in water: kinetic study. <i>Industrial & Engineering Chemistry Research</i> , 1987, 26, 39-43.	1.8	220
72	Degradation of <i>Microcystis</i> sp. in Surface Water by Ozone. , 0, , .		0