JesÃºs Beltran-Heredia

List of Publications by Year
in descending order

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	Microalgal removal with natural coagulants. Phycologia, 2016, 55, 688-695.	1.4	10
2	Removal of Oocystis algae from freshwater by means of tannin-based coagulant. Journal of Applied Phycology, 2016, 28, 1589-1595.	2.8	22
3	Microalgae removal with Moringa oleifera. Toxicon, 2016, 110, 68-73.	1.6	29
4	Optimization of tannin rigid foam as adsorbents for wastewater treatment. Industrial Crops and Products, 2013, 49, 507-514.	5.2	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. Industrial & Engineering Chemistry Research, 2012, 51, 50-57.	3.7	24
7	Adsorbent Derived fromPinus pinasterTannin for Cationic Surfactant Removal. Journal of Wood Chemistry and Technology, 2012, 32, 28-50.	1.7	6
8	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
9	Multiparameter Quantitative Optimization in the Synthesis of a Novel Coagulant Derived from Tannin Extracts for Water Treatment. Water, Air, and Soil Pollution, 2012, 223, 2277-2286.	2.4	8
10	Removal of Erioglaucine (Acid Blueâ€ƒ9) with a new coagulant agent from Acacia mearnsii tannin extract. Coloration Technology, 2012, 128, 15-20.	1.5	4
11	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. Industrial & Engineering Chemistry Research, 2011, 50, 686-693.	3.7	22
12	Adsorbents from Schinopsis balansae: Optimisation of significant variables. Industrial Crops and Products, 2011, 33, 409-417.	5.2	27
13	Caesalpinia spinosa and Castanea sativa tannins: A new source of biopolymers with adsorbent capacity. Preliminary assessment on cationic dye removal. Industrial Crops and Products, 2011, 34, 1238-1240.	5.2	27
14	Tannin-Based Coagulants in the Depuration of Textile Wastewater Effluents: Elimination of Anthraquinonic Dyes. Water, Air, and Soil Pollution, 2011, 222, 53-64.	2.4	19
15	Optimum Coagulant from Acacia mearnsii de Wild for Wastewater Treatment. Chemical Engineering and Technology, 2011, 34, 2069-2076.	1.5	9
16	Optimization of the synthesis of a new coagulant from a tannin extract. Journal of Hazardous Materials, 2011, 186, 1704-1712.	12.4	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. Journal of Hazardous Materials, 2010, 177, 1046-1053.	12.4	117
18	Novel tannin-based adsorbent in removing cationic dye (Methylene Blue) from aqueous solution. Kinetics and equilibrium studies. Journal of Hazardous Materials, 2010, 174, 9-16.	12.4	91

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19	Reaction of phenolic acids with Fenton-generated hydroxyl radicals: Hammett correlation. Desalination, 2010, 252, 167-171.	8.2	15
20	Removal of sodium lauryl sulphate by coagulation/flocculation with Moringa oleifera seed extract. Journal of Hazardous Materials, 2009, 164, 713-719.	12.4	101
21	Removing heavy metals from polluted surface water with a tannin-based flocculant agent. Journal of Hazardous Materials, 2009, 165, 1215-1218.	12.4	111
22	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
23	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. Journal of Hazardous Materials, 2009, 170, 43-50.	12.4	74
24	Municipal wastewater treatment by modified tannin flocculant agent. Desalination, 2009, 249, 353-358.	8.2	68
25	Anionic Surfactants Removal by Natural Coagulant/Flocculant Products. Industrial & Engineering Chemistry Research, 2009, 48, 5085-5092.	3.7	51
26	Improvement of water treatment pilot plant withMoringa oleiferaextract as flocculant agent. Environmental Technology (United Kingdom), 2009, 30, 525-534.	2.2	36
27	Acacia mearnsii de WildTannin-Based Flocculant in Surface Water Treatment. Journal of Wood Chemistry and Technology, 2009, 29, 119-135.	1.7	38
28	Removal of Carmine Indigo Dye with Moringa oleifera Seed Extract. Industrial & Engineering Chemistry Research, 2009, 48, 6512-6520.	3.7	74
29	Phenolic Acids Ozonation: QSAR Analysis and pH Influence on the Selectivity of Ozone. Journal of Advanced Oxidation Technologies, 2009, 12, .	0.5	1
30	Kinetics of the biodegradation of green table olive wastewaters by aerobic and anaerobic treatments. Journal of Hazardous Materials, 2008, 154, 839-845.	12.4	30
31	Azo dye removal by Moringa oleifera seed extract coagulation. Coloration Technology, 2008, 124, 310-317.	1.5	71
32	Aluminium sulfate as coagulant for highly polluted cork processing wastewater: Evaluation of settleability parameters and design of a clarifier-thickener unit. Journal of Hazardous Materials, 2007, 148, 6-14.	12.4	26
33	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
34	Nitrate removal from groundwater using Amberlite IRN-78: Modelling the system. Applied Surface Science, 2006, 252, 6031-6035.	6.1	39
35	Vis and UV photocatalytic detoxification methods (using TiO2, TiO2/H2O2, TiO2/O3, TiO2/S2O82â^', O3,) Tj ETQq1 1 0.784314 rgBT	4.4	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. Industrial & Engineering Chemistry Research, 2005, 44, 6539-6548.	3.7	54

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37	Process Integration:Â Continuous Anaerobic Digestionâ^'Ozonation Treatment of Olive Mill Wastewater. Industrial & Engineering Chemistry Research, 2005, 44, 8750-8755.	3.7	39
38	Integrated Fentonâ€™s reagentâ€"coagulation/flocculation process for the treatment of cork processing wastewaters. Journal of Hazardous Materials, 2004, 107, 115-121.	12.4	55
39	Treatment of Cork Process Wastewater by a Successive Chemicalâ^'Physical Method. Journal of Agricultural and Food Chemistry, 2004, 52, 4501-4507.	5.2	39
40	Kinetics of the reaction between ozone and phenolic acids present in agro-industrial wastewaters. Water Research, 2001, 35, 1077-1085.	11.3	56
41	Comparison of the degradation of p-hydroxybenzoic acid in aqueous solution by several oxidation processes. Chemosphere, 2001, 42, 351-359.	8.2	78
42	Kinetics of the Oxidation ofp-Hydroxybenzoic Acid by the H2O2/UV System. Industrial & Engineering Chemistry Research, 2001, 40, 3104-3108.	3.7	23
43	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO2/UV radiation: comparison and modelling of reaction kinetic. Journal of Hazardous Materials, 2001, 83, 255-264.	12.4	109
44	Oxidation of several chlorophenolic derivatives by UV irradiation and hydroxyl radicals. Journal of Chemical Technology and Biotechnology, 2001, 76, 312-320.	3.2	69
45	Ozonation of black-table-olive industrial wastewaters: effect of an aerobic biological pretreatment. Journal of Chemical Technology and Biotechnology, 2000, 75, 561-568.	3.2	24
46	Aerobic biological treatment of black table olive washing wastewaters: effect of an ozonation stage. Process Biochemistry, 2000, 35, 1183-1190.	3.7	43
47	Rate constants for the reactions of ozone with chlorophenols in aqueous solutions. Journal of Hazardous Materials, 2000, 79, 271-285.	12.4	75
48	Kinetics of p-hydroxybenzoic acid photodecomposition and ozonation in a batch reactor. Journal of Hazardous Materials, 2000, 73, 161-178.	12.4	35
49	Treatment of black-olive wastewaters by ozonation and aerobic biological degradation. Water Research, 2000, 34, 3515-3522.	11.3	75
50	Contribution of free radicals to chlorophenols decomposition by several advanced oxidation processes. Chemosphere, 2000, 41, 1271-1277.	8.2	167
51	Treatment of olive mill wastewaters by ozonation, aerobic degradation and the combination of both treatments. Journal of Chemical Technology and Biotechnology, 1999, 74, 639-646.	3.2	70
52	Ozonation and photodegradation kinetics of pollutant acids in wastewaters. Canadian Journal of Chemical Engineering, 1998, 76, 936-944.	1.7	6
53	Kinetics of the direct reaction between ozone and phenolic aldehydes. Journal of Chemical Technology and Biotechnology, 1998, 72, 235-244.	3.2	5
54	Ozonation Kinetics of Phenolic Acids Present in Wastewaters from Olive Oil Mills. Industrial & Engineering Chemistry Research, 1997, 36, 638-644.	3.7	53

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55	Aerobic degradation of olive mill wastewaters. Applied Microbiology and Biotechnology, 1997, 47, 185-188.	3.6	92
56	Simultaneous photodegradation and ozonation plus UV radiation of phenolic acidsâ€"major pollutants in agro-industrial wastewaters. Journal of Chemical Technology and Biotechnology, 1997, 70, 253-260.	3.2	56
57	Degradation of protocatechuic acid by two advanced oxidation processes: Ozone/UV radiation and H2O2UV radiation. Water Research, 1996, 30, 1597-1604.	11.3	70
58	Photolytic Decomposition of Bentazone. Journal of Chemical Technology and Biotechnology, 1996, 66, 206-212.	3.2	10
59	Advanced Oxidation Processes In The Degradation Of Cyanazine. Ozone: Science and Engineering, 1995, 17, 237-258.	2.5	14
60	Oxidation of Vanillic acid as a model of polyphenolic compound present in olive oil wastewaters. II. Photochemical oxidation and combined ozoneâ€UV oxidation. Toxicological and Environmental Chemistry, 1995, 47, 141-153.	1.2	10
61	Photooxidation of Carbofuran by a Polychromatic UV Irradiation without and with Hydrogen Peroxide. Industrial & Engineering Chemistry Research, 1995, 34, 4099-4105.	3.7	32
62	Degradation By Ozone and UV Radiation of the Herbicide Cyanazine. Ozone: Science and Engineering, 1994, 16, 213-234.	2.5	23
63	Photochemical oxidation of protocatechuic acid. Water Research, 1994, 28, 2095-2100.	11.3	14
64	Kinetic Study of Propoxur Oxidation by UV Radiation and Combined O3/UV Radiation. Industrial & Engineering Chemistry Research, 1994, 33, 1264-1270.	3.7	11
65	Protocatechuic acid ozonation in aqueous solutions. Water Research, 1993, 27, 1519-1525.	11.3	9
66	OZONE TREATMENT OF METHYLENE BLUE IN AQUEOUS SOLUTIONS. Chemical Engineering Communications, 1993, 119, 151-165.	2.6	20
67	Kinetics of the reaction between ozone and MCPA. Water Research, 1991, 25, 1345-1349.	11.3	26
68	Absorption Kinetics of Ozone in Aqueous Solutions of Malathion. Ozone: Science and Engineering, 1991, 13, 487-499.	2.5	1
69	Henry's law constant for the ozone-water system. Water Research, 1989, 23, 1239-1246.	11.3	241
70	Azo Dye Ozonation Film Theory Utilization for Kinetic Studies. Ozone: Science and Engineering, 1989, 11, 391-409.	2.5	16
71	Ozone decomposition in water: kinetic study. Industrial & Engineering Chemistry Research, 1987, 26, 39-43.	3.7	220
72	Degradation of Microcystis sp. in Surface Water by Ozone. , 0, , .		0