Pierre-Marie Badot

List of Publications by Year
in descending order

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47 papers	4,572 citations	186265 28 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	5921 citing authors

#	Article	IF	Citations
1	Application of chitosan, a natural aminopolysaccharide, for dye removal from aqueous solutions by adsorption processes using batch studies: A review of recent literature. Progress in Polymer Science, 2008, 33, 399-447.	24.7	1,862
2	Adsorption isotherm models for dye removal by cationized starch-based material in a single component system: Error analysis. Journal of Hazardous Materials, 2008, 157, 34-46.	12.4	377
3	Effect of copper on growth in cucumber plants (Cucumis sativus) and its relationships with carbohydrate accumulation and changes in ion contents. Plant Science, 2004, 166, 1213-1218.	3.6	232
4	Sensing and signalling during plant flooding. Plant Physiology and Biochemistry, 2004, 42, 273-282.	5.8	206
5	The removal of Basic Blue 3 from aqueous solutions by chitosan-based adsorbent: Batch studies. Journal of Hazardous Materials, 2008, 153, 96-106.	12.4	176
6	Effects of copper on growth and on photosynthesis of mature and expanding leaves in cucumber plants. Plant Science, 2002, 163, 53-58.	3.6	143
7	Cationized starch-based material as a new ion-exchanger adsorbent for the removal of C.I. Acid Blue 25 from aqueous solutions. Bioresource Technology, 2008, 99, 7573-7586.	9.6	130
8	Treated wastewater phytotoxicity assessment using LactucaÂsativa : Focus on germination and root elongation test parameters. Comptes Rendus - Biologies, 2017, 340, 188-194.	0.2	99
9	Evaluation of the phytotoxicity of polycontaminated industrial effluents using the lettuce plant (Lactuca sativa) as a bioindicator. Ecotoxicology and Environmental Safety, 2011, 74, 2057-2064.	6.0	88
10	HOW TERRESTRIAL SNAILS CAN BE USED IN RISK ASSESSMENT OF SOILS. Environmental Toxicology and Chemistry, 2006, 25, 797.	4.3	75
11	Experimental identification of Ca isotopic fractionations in higher plants. Geochimica Et Cosmochimica Acta, 2011, 75, 5467-5482.	3.9	71
12	Mixture toxicity assessment of wood preservative pesticides in the freshwater amphipod Gammarus pulex (L.). Ecotoxicology and Environmental Safety, 2009, 72, 441-449.	6.0	70
13	Is the cadmium uptake from soil important in bioaccumulation and toxic effects for snails?. Ecotoxicology and Environmental Safety, 2002, 53, 425-431.	6.0	65
14	Pollutant removal from industrial discharge water using individual and combined effects of adsorption and ion-exchange processes: Chemical abatement. Journal of Saudi Chemical Society, 2016, 20, 185-194.	5.2	63
15	How subcellular partitioning can help to understand heavy metal accumulation and elimination kinetics in snails. Environmental Toxicology and Chemistry, 2008, 27, 1284-1292.	4.3	60
16	Response of sessile oak seedlings (Quercus petraea) to flooding: an integrated study. Tree Physiology, 2006, 26, 759-766.	3.1	56
17	Trace metals in raw cowsâ€™ milk and assessment of transfer to ComtÃ© cheese. Food Chemistry, 2011, 129, 7-12.	8.2	56
18	Heavy metal removal from industrial effluents by sorption on cross-linked starch: Chemical study and impact on water toxicity. Journal of Environmental Management, 2011, 92, 765-772.	7.8	56

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19	A novel nonsymbiotic hemoglobin from oak: cellular and tissue specificity of gene expression. New Phytologist, 2008, 177, 142-154.	7.3	51
20	Calcium isotope fractionation during plant growth under a limited nutrient supply. Geochimica Et Cosmochimica Acta, 2013, 110, 70-83.	3.9	51
21	Modelling chronic exposure to contaminated soil: A toxicokinetic approach with the terrestrial snail Helix aspersa. Environment International, 2006, 32, 866-875.	10.0	49
22	High sensitivity of Gammarus sp. juveniles to deltamethrin: Outcomes for risk assessment. Ecotoxicology and Environmental Safety, 2010, 73, 1402-1407.	6.0	40
23	Influence of flooding on growth, nitrogen availability in soil, and nitrate reduction of young oak seedlings (Quercus robur L.). Annals of Forest Science, 2005, 62, 593-600.	2.0	39
24	Kinetic and dynamic aspects of soilâ€“plantâ€“snail transfer of cadmium in the field. Environmental Pollution, 2008, 152, 736-745.	7.5	38
25	Circumnutation in Phaseolus vulgaris. I. Growth, osmotic potential and cell ultrastructure in the free-moving part of the shoot. Physiologia Plantarum, 1988, 72, 133-138.	5.2	37
26	Cell Elongation and Revolving Movement in Phaseolus vulgaris L. Twining Shoots. Plant and Cell Physiology, 1998, 39, 914-921.	3.1	37
27	â€œNonavailableâ€•Soil Cadmium Is Bioavailable to Snails:Â Evidence from Isotopic Dilution Experiments. Environmental Science & Technology, 2003, 37, 81-86.	10.0	35
28	Long-term responses of snails exposed to cadmium-contaminated soils in a partial life-cycle experiment. Ecotoxicology and Environmental Safety, 2008, 70, 138-146.	6.0	35
29	Dispersion Modeling as a Dioxin Exposure Indicator in the Vicinity of a Municipal Solid Waste Incinerator:Â A Validation Study. Environmental Science & Technology, 2006, 40, 2149-2155.	10.0	30
30	Recent changes in mountain grasslands: a vegetation resampling study. Ecology and Evolution, 2016, 6, 2333-2345.	1.9	28
31	Doseâ€dependent growth inhibition and bioaccumulation of hexavalent chromium in land snail Helix aspersa aspersa. Environmental Toxicology and Chemistry, 2000, 19, 2571-2578.	4.3	26
32	Isotopic fractionation of tritium in biological systems. Environment International, 2014, 65, 116-126.	10.0	25
33	Unexpected toxic interactions in the freshwater amphipod Gammarus pulex (L.) exposed to binary copper and nickel mixtures. Environmental Science and Pollution Research, 2014, 21, 1099-1111.	5.3	23
34	Advanced oxidation (UV-ozone) and cyclodextrin sorption: Effects of individual and combined action on the chemical abatement of organic pollutants in industrial effluents. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 603-608.	5.3	22
35	A municipal solid waste incinerator as the single dominant point source of PCDD/Fs in an area of increased non-Hodgkinâ€™s lymphoma incidence. Chemosphere, 2007, 68, 1419-1426.	8.2	21
36	Effect of Additional Sorption Treatment by Cross-Linked Starch of Wastewater from a Surface Finishing Plant. Industrial & Engineering Chemistry Research, 2011, 50, 1749-1756.	3.7	18

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37	Flooding effects on starch partitioning during early growth of two oak species. Trees - Structure and Function, 2009, 23, 373-380.	1.9	16
38	Impact of management type and intensity on multiple facets of grassland biodiversity in the <scp>F</scp>rench <scp>J</scp>ura <scp>M</scp>ountains. Applied Vegetation Science, 2014, 17, 645-657.	1.9	16
39	Molecular cloning and characterization of calmodulin genes in young oak seedlings (Quercus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2005, 1727, 213-219.	2.4	14
40	PAH occurrence in chalk river systems from the Jura region (France). Pertinence of suspended particulate matter and sediment as matrices for river quality monitoring. Environmental Science and Pollution Research, 2015, 22, 17486-17498.	5.3	13
41	Impact of nitrogen inputs on multiple facets of plant biodiversity in mountain grasslands: does nutrient source matter?. Applied Vegetation Science, 2016, 19, 206-217.	1.9	7
42	La bioadsorption sur amidon rÃ©ticulÃ© pour enlever des mÃ©taux des effluents industriels. Revue Des Sciences De L'Eau, 0, 23, 275-287.	0.2	6
43	Measurement of tritium in the free water of milk : spotting and quantifying some biases and proposing ways of improvement. Journal of Environmental Radioactivity, 2014, 127, 1-10.	1.7	4
44	Suivi et optimisation dâ€™une station de dÃ©contamination des eaux usÃ©es de la filiÃ¨re traitement de surface : abattement chimique et impact Ã©cotoxicologique. Revue Des Sciences De L'Eau, 0, 24, 329-341.	0.2	2
45	Optimisation of an industrial wastewater decontamination plant: An environmentâ€oriented approach. Canadian Journal of Chemical Engineering, 2014, 92, 391-400.	1.7	2
46	How to Assess Temporal Changes of Point and Diffuse Contamination in a Rural Karstic Watershed? Relevance of Suspended Particulate Matter (SPM) for Efficient Monitoring. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	2
47	VII. RÃ©fÃ©rences bibliographiques. , 2012, , 113-126.		0