

# HervÃ© Quiquampoix

## List of Publications by Year in descending order

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46  
papers

2,090  
citations

257450

24  
h-index

233421

45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of companion crops and tillage on soil phosphorus in a Brazilian oxisol: a chemical and <sup>31</sup> P NMR spectroscopy study. <i>Journal of Soils and Sediments</i> , 2021, 21, 1024-1037.	3.0	7
2	A dansyl-derivatized phytic acid analogue as a fluorescent substrate for phytases: experimental and computational approach. <i>Bioorganic Chemistry</i> , 2021, 110, 104810.	4.1	2
3	Can soil properties and land use explain glomalin-related soil protein (GRSP) accumulation? A nationwide survey in France. <i>Catena</i> , 2020, 193, 104620.	5.0	23
4	In vivo and in vitro <sup>31</sup> P-NMR Study of the Phosphate Transport and Polyphosphate Metabolism in <i>Hebeloma cylindrosporum</i> in Response to Plant Roots Signals. <i>Bio-protocol</i> , 2018, 8, e2973.	0.4	2
5	The host plant <i>Pinus pinaster</i> exerts specific effects on phosphate efflux and polyphosphate metabolism of the ectomycorrhizal fungus <i>Hebeloma cylindrosporum</i> : a radiotracer, cytological staining and <sup>31</sup> P NMR spectroscopy study. <i>Plant, Cell and Environment</i> , 2017, 40, 190-202.	5.7	22
6	A Method for Radioactive Labelling of <i>Hebeloma cylindrosporum</i> to Study Plant-fungus Interactions. <i>Bio-protocol</i> , 2017, 7, e2576.	0.4	5
7	Establishing a Symbiotic Interface between Cultured Ectomycorrhizal Fungi and Plants to Follow Fungal Phosphate Metabolism. <i>Bio-protocol</i> , 2017, 7, e2577.	0.4	6
8	Fate of insecticidal <i>Bacillus thuringiensis</i> Cry protein in soil: differences between purified toxin and biopesticide formulation. <i>Pest Management Science</i> , 2016, 72, 2247-2253.	3.4	15
9	Comparison of the affinity and extraction yield of trace amounts of three Cry proteins from <i>Bacillus thuringiensis</i> in contrasting types of soil. <i>European Journal of Soil Science</i> , 2016, 67, 90-98.	3.9	6
10	Glomalin-related soil protein in French temperate forest soils: interference in the Bradford assay caused by co-extracted humic substances. <i>European Journal of Soil Science</i> , 2015, 66, 311-319.	3.9	40
11	Role of allophanes in the accumulation of glomalin-related soil protein in tropical soils (Martinique, Tj ETQq1 1 0,784314 rgBT /Ove	3.9	17
12	Diversity of adsorption affinity and catalytic activity of fungal phosphatases adsorbed on some tropical soils. <i>Soil Biology and Biochemistry</i> , 2013, 56, 13-20.	8.8	20
13	Persistence of catalytic activity of fungal phosphatases incubated in tropical soils. <i>Soil Biology and Biochemistry</i> , 2013, 56, 69-74.	8.8	14
14	Structure, Biological Activity and Environmental Fate of Insecticidal Bt ( <i>Bacillus thuringiensis</i> ) Cry Proteins of Bacterial and Genetically Modified Plant Origin. , 2013, , 49-77.		1
15	Water-extractable soil organic matter inhibits phosphatase activity. <i>Soil Biology and Biochemistry</i> , 2012, 55, 14-16.	8.8	5
16	Evidence for proteolysis of a recombinant prion protein in a lamb brain-amended loamy soil. <i>European Journal of Soil Science</i> , 2011, 62, 607-616.	3.9	1
17	Effects of physicochemical interactions and microbial activity on the persistence of Cry1Aa Bt ( <i>Bacillus thuringiensis</i> ) toxin in soil. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1089-1097.	8.8	48
18	Adsorption on montmorillonite prevents oligomerization of Bt Cry1Aa toxin. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 718-725.	9.4	20

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19	Efficiency of acid phosphatases secreted from the ectomycorrhizal fungus <i>Hebeloma cylindrosporum</i> to hydrolyse organic phosphorus in podzols. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	2.7	48
20	Mobility of adsorbed Cry1Aa insecticidal toxin from <i>Bacillus thuringiensis</i> (Bt) on montmorillonite measured by fluorescence recovery after photobleaching (FRAP). <i>Philosophical Magazine</i> , 2010, 90, 2365-2371.	1.6	7
21	Adsorption of Alexa-Labeled Bt Toxin on Mica, Glass, and Hydrophobized Glass: Study by Normal Scanning Confocal Fluorescence. <i>Biomacromolecules</i> , 2010, 11, 1661-1666.	5.4	24
22	Adsorption and desorption of monomeric Bt ( <i>Bacillus thuringiensis</i> ) Cry1Aa toxin on montmorillonite and kaolinite. <i>Soil Biology and Biochemistry</i> , 2009, 41, 498-504.	8.8	59
23	Dissimilar pH-dependent adsorption features of bovine serum albumin and $\hat{I}\pm$ -chymotrypsin on mica probed by AFM. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 226-231.	5.0	78
24	Enzymes and Proteins, Interactions with Soil Constituent Surfaces. <i>Encyclopedia of Earth Sciences Series</i> , 2008, , 210-216.	0.1	4
25	Interactions between Proteins and Soil Mineral Surfaces: Environmental and Health Consequences. <i>Elements</i> , 2007, 3, 401-406.	0.5	105
26	Fate of Prions in Soil: Adsorption and Extraction by Electroelution of Recombinant Ovine Prion Protein from Montmorillonite and Natural Soils. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1497-1503.	10.0	70
27	Fate of Prions in Soil: Adsorption Kinetics of Recombinant Unglycosylated Ovine Prion Protein onto Mica in Laminar Flow Conditions and Subsequent Desorption. <i>Biomacromolecules</i> , 2005, 6, 3425-3432.	5.4	48
28	Characterisation of Kaolinitic Clays from the Ivory Coast: Identification of Structural Fe. <i>Hyperfine Interactions</i> , 2004, 155, 51-64.	0.5	2
29	Structural effects of drying and rehydration for enzymes in soils: kinetics-FTIR analysis of $\hat{I}\pm$ -chymotrypsin adsorbed on montmorillonite. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 414-425.	9.4	21
30	Characterisation of kaolinitic clays from the Ivory Coast (West Africa). <i>Applied Clay Science</i> , 2004, 27, 235-239.	5.2	17
31	Role of Iron Oxide on the Phosphate Adsorption Properties of Kaolinites from the Ivory Coast. <i>Clays and Clay Minerals</i> , 2002, 50, 217-222.	1.3	34
32	Assessing organic phosphorus status of Cerrado oxisols (Brazil) using $^{31}\text{P}$ -NMR spectroscopy and phosphomonoesterase activity measurement. <i>Canadian Journal of Soil Science</i> , 2001, 81, 591-601.	1.2	28
33	Evaluation of Biological and Physical Protection against Nuclease Degradation of Clay-Bound Plasmid DNA. <i>Applied and Environmental Microbiology</i> , 2001, 67, 293-299.	3.1	191
34	Conformational Changes of Bovine Serum Albumin Induced by Adsorption on Different Clay Surfaces: FTIR Analysis. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 273-283.	9.4	217
35	Adsorption of Cesium by Synthetic Clay-Organic Matter Complexes: Effect of the Nature of Organic Polymers. <i>Environmental Science &amp; Technology</i> , 2000, 34, 2985-2989.	10.0	76
36	Chymotrypsin Adsorption on Montmorillonite: Enzymatic Activity and Kinetic FTIR Structural Analysis. <i>Journal of Colloid and Interface Science</i> , 1999, 214, 319-332.	9.4	107

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37	Extracellular enzyme activity in soil: effect of pH and ionic strength on the interaction with montmorillonite of two acid phosphatases secreted by the ectomycorrhizal fungus <i>Hebeloma cylindrosporum</i> . <i>European Journal of Soil Science</i> , 1996, 47, 511-522.	3.9	132
38	Adsorption and Conformation of Bovine Serum Albumin on Montmorillonite: Modification of the Balance between Hydrophobic and Electrostatic Interactions by Protein Methylation and pH Variation. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 89-94.	9.4	78
39	Interpretation of the pH dependence of protein adsorption on clay mineral surfaces and its relevance to the understanding of extracellular enzyme activity in soil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 75, 85-93.	4.7	94
40	<sup>31</sup> P-NMR Study of the Uptake and Compartmentation of Manganese by Maize Roots. <i>Journal of Experimental Botany</i> , 1993, 44, 1819-1827.	4.8	35
41	Quantitative Aspects of the <sup>31</sup> P-NMR Detection of Manganese in Plant Tissues <sup>12</sup> . <i>Journal of Experimental Botany</i> , 1993, 44, 1809-1818.	4.8	19
42	A <sup>31</sup> P NMR study of the adsorption of bovine serum albumin on montmorillonite using phosphate and the paramagnetic cation Mn <sup>2+</sup> : modification of conformation with pH. <i>Journal of Colloid and Interface Science</i> , 1992, 148, 343-352.	9.4	74
43	<sup>1</sup> H and <sup>31</sup> P NMR investigation of gadolinium uptake in maize roots. <i>Journal of Inorganic Biochemistry</i> , 1990, 38, 265-275.	3.5	55
44	High Resolution Imaging of Plant Tissues <sup>10</sup> . <i>Journal of Experimental Botany</i> , 1987, 38, 1713-1723.	4.8	89
45	A stepwise approach to the understanding of extracellular enzyme activity in soil I. Effect of electrostatic interactions on the conformation of a <sup>12</sup> -d-glucosidase adsorbed on different mineral surfaces. <i>Biochimie</i> , 1987, 69, 753-763.	2.6	81
46	A stepwise approach to the understanding of extracellular enzyme activity in soil II. Competitive effects on the adsorption of a <sup>12</sup> -d-glucosidase in mixed mineral or organo-mineral systems. <i>Biochimie</i> , 1987, 69, 765-771.	2.6	43