

Christian Mougin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7819448/publications.pdf>

Version: 2024-02-01

82
papers

3,396
citations

172207

29
h-index

149479

56
g-index

86
all docs

86
docs citations

86
times ranked

4109
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-laboratory validation of an ISO test method for measuring enzyme activities in soil samples using colorimetric substrates. <i>Environmental Science and Pollution Research</i> , 2022, 29, 29348-29357.	2.7	8
2	Academic expertise in assisting private companies in the fields of environment and environmental toxicology: the role of individual expertise. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1283-1286.	2.7	0
3	Introducing Grasslands into Crop Rotations, a Way to Restore Microbiodiversity and Soil Functions. <i>Agriculture (Switzerland)</i> , 2021, 11, 909.	1.4	3
4	Effect of Multiple Stresses, Organic Amendment and Compaction, on the Fate and Impact of Isoproturon in Soil. <i>Environments - MDPI</i> , 2020, 7, 79.	1.5	2
5	Identification of new microbial functional standards for soil quality assessment. <i>Soil</i> , 2020, 6, 17-34.	2.2	39
6	Earthworms Mitigate Pesticide Effects on Soil Microbial Activities. <i>Frontiers in Microbiology</i> , 2019, 10, 1535.	1.5	15
7	Effects of two common fungicides on the reproduction of <i>Aporrectodea caliginosa</i> in natural soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 518-524.	2.9	18
8	BRC4Env, a network of Biological Resource Centres for research in environmental and agricultural sciences. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33849-33857.	2.7	8
9	How to assess the feeding activity in ecotoxicological laboratory tests using enchytraeids?. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33844-33848.	2.7	8
10	Biochem-Env: a platform of biochemistry for research in environmental and agricultural sciences. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6154-6157.	2.7	7
11	ECOTOX, new questions for terrestrial and aquatic ecotoxicology. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33841-33843.	2.7	2
12	RECOTOX, a French initiative in ecotoxicology-toxicology to monitor, understand and mitigate the ecotoxicological impacts of pollutants in socioagroecosystems. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33882-33894.	2.7	5
13	<i>Aporrectodea caliginosa</i> , a relevant earthworm species for a posteriori pesticide risk assessment: current knowledge and recommendations for culture and experimental design. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33867-33881.	2.7	44
14	How to Integrate Experimental Research Approaches in Ecological and Environmental Studies: AnaEE France as an Example. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	17
15	Root penetration in deep soil layers stimulates mineralization of millennia-old organic carbon. <i>Soil Biology and Biochemistry</i> , 2018, 124, 150-160.	4.2	72
16	Formation of 2,4-D bound residues in soils: New insights into microbial metabolism. <i>Science of the Total Environment</i> , 2017, 584-585, 715-722.	3.9	13
17	Fate and impact of pesticides: new directions to explore. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6841-6843.	2.7	4
18	Differences in sensitivity between earthworms and enchytraeids exposed to two commercial fungicides. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 177-184.	2.9	28

#	ARTICLE	IF	CITATIONS
19	ECOTOX, the INRA's network of ecotoxicologists, a major structure involved for the coordination and structuring of the French research in ecotoxicology. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2969-2973.	2.7	1
20	Evaluation of the transfer and the accumulation of microcystins in tomato (<i>Solanum lycopersicum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 radiolabeled microcystin-LR (¹⁴ C-MC-LR). <i>Science of the Total Environment</i> , 2016, 541, 1052-1058.	3.9	58
21	Oxidoreductases provide a more generic response to metallic stressors (Cu and Cd) than hydrolases in soil fungi: new ecotoxicological insights. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3036-3041.	2.7	6
22	Evaluation of phytotoxicity and ecotoxicity potentials of a cyanobacterial extract containing microcystins under realistic environmental concentrations and in a soil-plant system. <i>Chemosphere</i> , 2015, 128, 332-340.	4.2	46
23	Earthworms in a 15 years agricultural trial. <i>Applied Soil Ecology</i> , 2015, 88, 1-8.	2.1	30
24	A coordinated set of ecosystem research platforms open to international research in ecotoxicology, AnaEE-France. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16215-16228.	2.7	8
25	Soil irrigation with water and toxic cyanobacterial microcystins accelerates tomato development. <i>Environmental Chemistry Letters</i> , 2015, 13, 447-452.	8.3	19
26	Soil irrigation with toxic cyanobacterial microcystins increases soil nitrification potential. <i>Environmental Chemistry Letters</i> , 2015, 13, 459-463.	8.3	15
27	Contribution of exudates, arbuscular mycorrhizal fungi and litter depositions to the rhizosphere priming effect induced by grassland species. <i>Soil Biology and Biochemistry</i> , 2015, 80, 146-155.	4.2	210
28	Dynamics of the toxic cyanobacterial microcystin-leucine-arginine peptide in agricultural soil. <i>Environmental Chemistry Letters</i> , 2014, 12, 535-541.	8.3	26
29	Characterization of chlordecone-tolerant fungal populations isolated from long-term polluted tropical volcanic soil in the French West Indies. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4914-4927.	2.7	24
30	Effects of pesticides on soil enzymes: a review. <i>Environmental Chemistry Letters</i> , 2014, 12, 257-273.	8.3	175
31	Cyanobacterial toxins: Modes of actions, fate in aquatic and soil ecosystems, phytotoxicity and bioaccumulation in agricultural crops. <i>Chemosphere</i> , 2014, 96, 1-15.	4.2	269
32	Metal Contamination Disturbs Biochemical and Microbial Properties of Calcareous Agricultural Soils of the Mediterranean Area. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 388-398.	2.1	18
33	Earthworms highly increase ciprofloxacin mineralization in soils. <i>Environmental Chemistry Letters</i> , 2013, 11, 127-133.	8.3	31
34	Application of standard statistical methods in the analysis of complex data generated from soil bioassays to assess the impacts of agrochemical-containing sludge amendments. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 4-25.	0.6	1
35	Biotransformation of <i>Trichoderma</i> spp. and Their Tolerance to Aromatic Amines, a Major Class of Pollutants. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4719-4726.	1.4	29
36	New Insights into the Use of Filamentous Fungi and Their Degradative Enzymes as Tools for Assessing the Ecotoxicity of Contaminated Soils During Bioremediation Processes. <i>Soil Biology</i> , 2013, , 419-432.	0.6	5

#	ARTICLE	IF	CITATIONS
37	ISTA 14â€”Impact of antibiotics from pig slurry on soil microbial communities, including the basidiomycete <i>Trametes versicolor</i> . <i>Environmental Toxicology</i> , 2012, 27, 129-136.	2.1	6
38	Assessing impacts of copper on soil enzyme activities in regard to their natural spatiotemporal variation under long-term different land uses. <i>Soil Biology and Biochemistry</i> , 2012, 49, 150-156.	4.2	63
39	Plant clipping decelerates the mineralization of recalcitrant soil organic matter under multiple grassland species. <i>Soil Biology and Biochemistry</i> , 2012, 51, 73-80.	4.2	92
40	Secretion profiles of fungi as potential tools for metal ecotoxicity assessment: A study of enzymatic system in <i>Trametes versicolor</i> . <i>Chemosphere</i> , 2011, 82, 340-345.	4.2	12
41	No evidence for effect of soil compaction on the degradation and impact of isoproturon. <i>Environmental Chemistry Letters</i> , 2011, 9, 145-150.	8.3	13
42	Favouring the bioavailability of Zn and Cu to enhance the production of lignin-modifying enzymes in <i>Trametes versicolor</i> cultures. <i>Bioresource Technology</i> , 2011, 102, 3103-3109.	4.8	9
43	Insights into the development of fungal biomarkers for metal ecotoxicity assessment: Case of <i>Trametes versicolor</i> exposed to copper. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 902-908.	2.2	14
44	Fate of 17 β -estradiol in terrestrial model ecosystems amended with contaminated composted biosolids. <i>Environmental Chemistry Letters</i> , 2009, 7, 369-373.	8.3	3
45	Soil Bioremediation Strategies Based on the Use of Fungal Enzymes. <i>Soil Biology</i> , 2009, , 123-149.	0.6	16
46	Degradation of PAHs by ligninolytic enzymes of <i>Irpex lacteus</i> . <i>Folia Microbiologica</i> , 2008, 53, 289-294.	1.1	71
47	Concentrations and specific loads of glyphosate, diuron, atrazine, nonylphenol and metabolites thereof in French urban sewage sludge. <i>Chemosphere</i> , 2007, 69, 1368-1373.	4.2	45
48	Shifting the optimal pH of activity for a laccase from the fungus <i>Trametes versicolor</i> by structure-based mutagenesis. <i>Protein Engineering, Design and Selection</i> , 2006, 19, 77-84.	1.0	136
49	Identification and Formation Pathway of Laccase-Mediated Oxidation Products Formed from Hydroxyphenylureas. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5046-5054.	2.4	15
50	Fate of herbicides and nonylphenol in soilâ€”plantâ€”water systems amended with contaminated sewage sludge. <i>Environmental Chemistry Letters</i> , 2006, 4, 63-67.	8.3	8
51	Phthalic acid and benzo[a]pyrene in soilâ€”plantâ€”water systems amended with contaminated sewage sludge. <i>Environmental Chemistry Letters</i> , 2006, 4, 201-206.	8.3	6
52	Expression of laccase IIIb from the white-rot fungus <i>Trametes versicolor</i> in the yeast <i>Yarrowia lipolytica</i> for environmental applications. <i>Applied Microbiology and Biotechnology</i> , 2005, 66, 450-456.	1.7	106
53	Oligomeric compounds formed from 2,5-xylidine (2,5-dimethylaniline) are potent enhancers of laccase production in <i>Trametes versicolor</i> ATCC 32745. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 251-258.	1.7	32
54	Incorporation of pesticides by soil micro-organisms as a way of bound residues formation. <i>Environmental Chemistry Letters</i> , 2004, 2, 27-30.	8.3	18

#	ARTICLE	IF	CITATIONS
55	Fungal laccases: from structure-activity studies to environmental applications. <i>Environmental Chemistry Letters</i> , 2003, 1, 145-148.	8.3	46
56	Fate of the veterinary medicine ivermectin in soil. <i>Environmental Chemistry Letters</i> , 2003, 1, 131-134.	8.3	19
57	Effect of the endectocide ivermectin on filamentous fungi. <i>Environmental Chemistry Letters</i> , 2003, 1, 215-218.	8.3	7
58	Effect of Nonylphenol Surfactants on Fungi following the Application of Sewage Sludge on Agricultural Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 1269.	1.0	35
59	Bioremediation and Phytoremediation of Industrial PAH-Polluted Soils. <i>Polycyclic Aromatic Compounds</i> , 2002, 22, 1011-1043.	1.4	44
60	Interference of Soil Contaminants with Laccase Activity During the Transformation of Complex Mixtures of Polycyclic Aromatic Hydrocarbons in Liquid Media. <i>Polycyclic Aromatic Compounds</i> , 2002, 22, 673-688.	1.4	10
61	Crystal Structure of a Four-Copper Laccase Complexed with an Arylamine: Insights into Substrate Recognition and Correlation with Kinetics. <i>Biochemistry</i> , 2002, 41, 7325-7333.	1.2	484
62	Isolation and characterization of efficient isoxaben-transforming <i>Microbacterium</i> sp strains from four European soils. <i>Pest Management Science</i> , 2002, 58, 1229-1235.	1.7	6
63	Enhanced production of laccase in the fungus <i>Trametes versicolor</i> by the addition of xenobiotics. <i>Biotechnology Letters</i> , 2002, 24, 139-142.	1.1	82
64	Purification and preliminary crystallographic study of <i>Trametes versicolor</i> laccase in its native form. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 319-321.	2.5	21
65	Inoculation of Filamentous Fungi in Manufactured Gas Plant Site Soils and PAH Transformation. <i>Polycyclic Aromatic Compounds</i> , 2001, 18, 397-414.	1.4	25
66	Immobilization of laccase from <i>Trametes versicolor</i> on a modified PVDF microfiltration membrane: characterization of the grafted support and application in removing a phenylurea pesticide in wastewater. <i>Journal of Membrane Science</i> , 2000, 180, 103-113.	4.1	109
67	Cleavage of the Diketone nitrile Derivative of the Herbicide Isoxaflutole by Extracellular Fungal Oxidases. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 4529-4534.	2.4	45
68	Biotransformation of benzo[a]pyrene in bench scale reactor using laccase of <i>Pycnoporus cinnabarinus</i> . <i>Biotechnology Letters</i> , 1998, 20, 1101-1104.	1.1	47
69	Title is missing!. <i>Biotechnology Letters</i> , 1998, 12, 725-728.	0.5	7
70	Enhanced mineralization of lindane in soils supplemented with the white rot basidiomycete <i>Phanerochaete chrysosporium</i> . <i>Soil Biology and Biochemistry</i> , 1997, 29, 1321-1324.	4.2	44
71	Chlorinated hydrocarbons in eggs of grey heron (<i>Ardea cinerea</i> L.) in France (Lac de Grandlieu). <i>Chemosphere</i> , 1997, 35, 1003-1009.	4.2	12
72	Biotransformation of s-Triazine Herbicides and Related Degradation Products in Liquid Cultures by the White Rot Fungus <i>Phanerochaete chrysosporium</i> . <i>Pest Management Science</i> , 1997, 49, 169-177.	0.7	45

#	ARTICLE	IF	CITATIONS
73	Residues of chlorinated pesticides in eggs of the gray heron (<i>Ardea cinerea</i> L.): Contribution of capillary gas chromatography ion-trap mass detection. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 62-64.	2.0	10
74	On-line supercritical fluid extraction and high performance liquid chromatography for determination of triazine compounds in soil. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 700-702.	2.0	13
75	Biotransformation of the Insecticide Lindane by the White Rot Basidiomycete <i>Phanerochaete chrysosporium</i> . <i>Pest Management Science</i> , 1996, 47, 51-59.	0.7	63
76	Biotransformation of the Herbicide Atrazine by the White Rot Fungus <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1994, 60, 705-708.	1.4	112
77	Interactions of various agrochemicals with cytochrome P-450-dependent monooxygenases of wheat cells. <i>Pesticide Biochemistry and Physiology</i> , 1991, 40, 1-11.	1.6	60
78	Effects of N,N-bis-(4-trifluoromethylphenyl)-urea on isolated plant mitochondria and thylakoid membranes. <i>Phytochemistry</i> , 1991, 30, 733-738.	1.4	6
79	Hydroxylation and N-demethylation of chlorotoluron by wheat microsomal enzymes. <i>Plant Science</i> , 1990, 66, 195-203.	1.7	67
80	Pesticide-Derived Aromatic Amines and Their Biotransformation. , 0, , .		7
81	Fate of Pesticides in Soils: Toward an Integrated Approach of Influential Factors. , 0, , .		22
82	Interference of Soil Contaminants with Laccase Activity During the Transformation of Complex Mixtures of Polycyclic Aromatic Hydrocarbons in Liquid Media. , 0, .		7