

Christophe Waterlot

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,182
citations

257450

24
h-index

233421

45
g-index

87
all docs

87
docs citations

87
times ranked

2257
citing authors

#	ARTICLE	IF	CITATIONS
1	The phytoextraction power of <i>Cichorium intybus</i> L. on metal-contaminated soil: Focus on time- and cultivar-depending accumulation and distribution of cadmium, lead and zinc. <i>Chemosphere</i> , 2022, 287, 132122.	8.2	3
2	Removal of heavy metals from contaminated water using industrial wastes containing calcium and magnesium. <i>Journal of Cleaner Production</i> , 2022, 337, 130472.	9.3	3
3	Histopathological Changes in the Hepatopancreas of <i>Porcellio Laevis</i> (Crustacea, Isopoda) After Exposure to Cd and Zn Mixture. <i>Environmental Science and Engineering</i> , 2021, , 587-592.	0.2	0
4	Advantages and limits to copper phytoextraction in vineyards. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	5
5	Potentials of <i>Miscanthus x giganteus</i> for phytostabilization of trace element-contaminated soils: Ex situ experiment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112125.	6.0	23
6	Ecocatalysed Hurltley reaction: Synthesis of urolithin derivatives as new potential RAGE antagonists with anti-ageing properties. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 23, 100518.	3.3	2
7	Biomass of ryegrass from field experiments: toward a cost-effective and efficient biosourced catalyst for the synthesis of Moclobemide. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 15-22.	4.7	7
8	Toward a New Way for the Valorization of <i>Miscanthus</i> Biomass Produced on Metal-Contaminated Soils Part 2: <i>Miscanthus</i> -Based Biosourced Catalyst: Design, Preparation, and Catalytic Efficiency in the Synthesis of Moclobemide. <i>Sustainability</i> , 2021, 13, 34.	3.2	5
9	Bioaccumulation of heavy metals in the terrestrial isopod <i>Porcellionides pruinosus</i> in the vicinity of Gabes-Ghannouch industrial complex. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 1270-1284.	3.4	7
10	Physiological and histopathological responses of <i>Porcellio laevis</i> (Isopoda, Crustacea) as indicators of metal trace element contamination. <i>Microscopy Research and Technique</i> , 2020, 83, 402-409.	2.2	1
11	Ex situ evaluation of the effects of biochars on environmental and toxicological availabilities of metals and polycyclic aromatic hydrocarbons. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1852-1869.	5.3	9
12	Wheat and ryegrass biomass ashes as effective sorbents for metallic and organic pollutants from contaminated water in lab-engineered cartridge filtration system. <i>Bioresource Technology</i> , 2020, 318, 124044.	9.6	6
13	Toward a New Way for the Valorization of <i>Miscanthus</i> Biomass Produced on Metal-Contaminated Soils Part 1: Mesocosm and Field Experiments. <i>Sustainability</i> , 2020, 12, 9370.	3.2	5
14	<i>Miscanthus x giganteus</i> culture on soils highly contaminated by metals: Modelling leaf decomposition impact on metal mobility and bioavailability in the soil-plant system. <i>Ecotoxicology and Environmental Safety</i> , 2020, 199, 110654.	6.0	11
15	New Efficient Eco-Friendly Supported Catalysts for the Synthesis of Amides with Antioxidant and Anti-Inflammatory Properties. <i>ChemMedChem</i> , 2020, 15, 459-467.	3.2	5
16	Evaluation of single-extraction methods to estimate the oral bioaccessibility of metal(loid)s in soils. <i>Science of the Total Environment</i> , 2020, 727, 138553.	8.0	12
17	Urban kitchen gardens: Effect of the soil contamination and parameters on the trace element accumulation in vegetables – A review. <i>Science of the Total Environment</i> , 2020, 738, 139569.	8.0	31
18	Effects of Calcium Phosphates on the (Im)Mobilization of Metals and Nutrients, on the Biological Activity and on the Plant Health from Multi-contaminated Urban Soils. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	1

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19	Effects of Heavy Metals Artificial Contamination on <i>Porcellio laevis</i> (Latreille, 1804) (Crustacea): Tj ETQq1 1 0.784314 rgBT /Qverlock 10	2.7	6
20	Distribution of Metals and Cell Wall Compounds in Leaf Parts of Three Tree Species Suitable for the Phytomanagement of Heavy Metalâ€“Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	7
21	Benefits of Ryegrass on Multicontaminated Soils Part 1: Effects of Fertilizers on Bioavailability and Accumulation of Metals. <i>Sustainability</i> , 2019, 11, 5093.	3.2	13
22	A sustainable approach to manage metal-contaminated soils: a preliminary greenhouse study for the possible production of metal-enriched ryegrass biomass for biosourced catalysts. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 626.	2.7	2
23	The potential of ryegrass (<i>Lolium perenne</i> L.) to clean up multi-contaminated soils from labile and phytoavailable potentially toxic elements to contribute into a circular economy. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17489-17498.	5.3	2
24	Benefits of Ryegrass on Multicontaminated Soils Part 2: A Green Process to Provide Idrocilamide. <i>Sustainability</i> , 2019, 11, 6685.	3.2	4
25	An innovative and efficient method to synthesize meloxicam in one-step procedure with respect to the green chemistry. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 501-509.	2.2	3
26	From environmental data acquisition to assessment of gardenersâ€™ exposure: feedback in an urban context highly contaminated with metals. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20107-20120.	5.3	15
27	From Conventional Lewis Acids to Heterogeneous Montmorillonite K10: Ecoâ€“Friendly Plantâ€“Based Catalysts Used as Green Lewis Acids. <i>ChemSusChem</i> , 2018, 11, 1249-1277.	6.8	56
28	Alternative approach to the standard, measurements and testing programme used to establish phosphorus fractionation in soils. <i>Analytica Chimica Acta</i> , 2018, 1003, 26-33.	5.4	13
29	Do biochars influence the availability and human oral bioaccessibility of Cd, Pb, and Zn in a contaminated slightly alkaline soil?. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 218.	2.7	23
30	Measure of environmental stress on <i>Porcellio laevis</i> Latreille, 1804 sampled near active Tunisian industrial areas. <i>Ecotoxicology</i> , 2018, 27, 729-741.	2.4	7
31	Determination of PAHs by ultra fast liquid chromatography using a core-shell technology â€“ Application to their determination after using biochar as adsorbent. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 106, 137-142.	5.0	4
32	Chemical Availability of Cd, Pb and Zn in Anthropogenically Polluted Soil: Assessing the Geochemical Reactivity and Oral Bioaccessibility. <i>Pedosphere</i> , 2017, 27, 616-629.	4.0	12
33	Value of biochars from <i>Miscanthus x giganteus</i> cultivated on contaminated soils to decrease the availability of metals in multicontaminated aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18204-18217.	5.3	7
34	Impact of a Phosphate Amendment on the Environmental Availability and Phytoavailability of Cd and Pb in Moderately and Highly Carbonated Kitchen Garden Soils. <i>Pedosphere</i> , 2017, 27, 588-605.	4.0	19
35	Assessment of heavy metals in soil and terrestrial isopod <i>Porcellio laevis</i> in Tunisian industrialized areas. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	19
36	Temperature Effects on Retention and Separation of PAHs in Reversed-Phase Liquid Chromatography Using Columns Packed with Fully Porous and Core-Shell Particles. <i>Journal of Chemistry</i> , 2016, 2016, 1-12.	1.9	6

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37	Metal, nutrient and biomass accumulation during the growing cycle of <i>Miscanthus</i> established on metal-contaminated soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 257-269.	1.9	40
38	Determining the influence of the physicochemical parameters of urban soils on As availability using chemometric methods: A preliminary study. <i>Journal of Environmental Sciences</i> , 2016, 47, 183-192.	6.1	7
39	Sustainability of an in situ aided phytostabilisation on highly contaminated soils using fly ashes: Effects on the vertical distribution of physicochemical parameters and trace elements. <i>Journal of Environmental Management</i> , 2016, 171, 204-216.	7.8	16
40	Prediction of Extractable Cd, Pb and Zn in Contaminated Woody Habitat Soils Using a Change Point Detection Method. <i>Pedosphere</i> , 2016, 26, 282-298.	4.0	11
41	Analytical method for determining polycyclic aromatic hydrocarbon pollutants using ultrafast liquid chromatography with fluorescence detection and the recent column packed with the new 5 μ m Kinetex-C18 core-shell particles. <i>Canadian Journal of Chemistry</i> , 2015, 93, 564-571.	1.1	4
42	Effect of <i>Miscanthus</i> cultivation on metal fractionation and human bioaccessibility in metal-contaminated soils: comparison between greenhouse and field experiments. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3043-3054.	5.3	21
43	Use of an in vitro digestion method to estimate human bioaccessibility of Cd in vegetables grown in smelter-impacted soils: the influence of cooking. <i>Environmental Geochemistry and Health</i> , 2015, 37, 767-778.	3.4	37
44	Metal accumulation and shoot yield of <i>Miscanthus</i> — <i>giganteus</i> growing in contaminated agricultural soils: Insights into agronomic practices. <i>Agriculture, Ecosystems and Environment</i> , 2015, 213, 61-71.	5.3	50
45	Elaboration, characteristics and advantages of biochars for the management of contaminated soils with a specific overview on <i>Miscanthus</i> biochars. <i>Journal of Environmental Management</i> , 2015, 162, 275-289.	7.8	72
46	Arsenic mobility and speciation in contaminated kitchen garden and lawn soils: an evaluation of water for assessment of As phytoavailability. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6164-6175.	5.3	5
47	Minimizing matrix effects and spectral interferences produced by Fe absorption lines in the determination of cadmium by electrothermal atomic absorption spectrometry: Application to the fractionation of cadmium in moderated contaminated soils. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 2348-2358.	5.0	4
48	On the synthesis and biological properties of isocombretastatins: a case of ketone homologation during Wittig reaction attempts. <i>RSC Advances</i> , 2013, 3, 3683.	3.6	6
49	Influence of land use on human bioaccessibility of metals in smelter-impacted soils. <i>Environmental Pollution</i> , 2013, 178, 80-88.	7.5	42
50	Contamination, Fractionation and Availability of Metals in Urban Soils in the Vicinity of Former Lead and Zinc Smelters, France. <i>Pedosphere</i> , 2013, 23, 143-159.	4.0	80
51	Application of the high-speed self-reversal background corrector to the determination of cadmium by chemical vapor generation atomic absorption spectrometry. <i>Canadian Journal of Chemistry</i> , 2012, 90, 874-879.	1.1	2
52	Effects of grinding and shaking on Cd, Pb and Zn distribution in anthropogenically impacted soils. <i>Talanta</i> , 2012, 98, 185-196.	5.5	19
53	Fluctuating asymmetry analysis on <i>Porcellio scaber</i> (Crustacea, Isopoda) populations living under metals-contaminated woody habitats. <i>Ecological Indicators</i> , 2012, 23, 130-139.	6.3	13
54	Effects of Iron Concentration Level in Extracting Solutions from Contaminated Soils on the Determination of Zinc by Flame Atomic Absorption Spectrometry with Two Background Correctors. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-10.	1.6	7

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55	Bioaccessibility of trace elements as affected by soil parameters in smelter-contaminated agricultural soils: A statistical modeling approach. <i>Environmental Pollution</i> , 2012, 160, 130-138.	7.5	90
56	Minimizing Chloride Interferences Produced by Calcium Chloride in the Determination of Cd by Graphite Furnace Atomic Absorption Spectrometry. <i>ISRN Spectroscopy</i> , 2012, 2012, 1-10.	0.9	3
57	Growth and metal accumulation in <i>Porcellio scaber</i> exposed to poplar litter from Cd-, Pb-, and Zn-contaminated sites. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 451-458.	6.0	38
58	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial. <i>Science of the Total Environment</i> , 2011, 409, 647-654.	8.0	70
59	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial. <i>Science of the Total Environment</i> , 2011, 409, 4504-4510.	8.0	58
60	In vitro digestion and DGT techniques for estimating cadmium and lead bioavailability in contaminated soils: Influence of gastric juice pH. <i>Science of the Total Environment</i> , 2011, 409, 5076-5085.	8.0	35
61	Gene expression analysis of 4 biomarker candidates in <i>Eisenia fetida</i> exposed to an environmental metallic trace elements gradient: A microcosm study. <i>Science of the Total Environment</i> , 2011, 409, 5470-5482.	8.0	30
62	Influence of fly ash aided phytostabilisation of Pb, Cd and Zn highly contaminated soils on <i>Lolium perenne</i> and <i>Trifolium repens</i> metal transfer and physiological stress. <i>Environmental Pollution</i> , 2011, 159, 1721-1729.	7.5	60
63	DFT calculations on the Friedel-Crafts benzylation of 1,4-dimethoxybenzene using ZnCl ₂ impregnated montmorillonite K10: inversion of relative selectivities and reactivities of aryl halides. <i>Chemical Papers</i> , 2011, 65, .	2.2	3
64	Assessing Cd, Pb, Zn human bioaccessibility in smelter-contaminated agricultural topsoils (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.4	86
65	Structure and physical properties in crosslinked polyurethanes. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1742-1751.	2.6	9
66	Investigation of DGT as a metal speciation tool in artificial human gastrointestinal fluids. <i>Analytica Chimica Acta</i> , 2011, 699, 177-186.	5.4	16
67	Effects of a phosphorus amendment and the pH of water used for watering on the mobility and phytoavailability of Cd, Pb and Zn in highly contaminated kitchen garden soils. <i>Ecological Engineering</i> , 2011, 37, 1081-1093.	3.6	76
68	Cd, Pb and Zn Oral Bioaccessibility of Urban Soils Contaminated in the Past by Atmospheric Emissions from Two Lead and Zinc Smelters. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 945-954.	4.1	115
69	Spatial distribution of metals in smelter-impacted soils of woody habitats: Influence of landscape and soil properties, and risk for wildlife. <i>Chemosphere</i> , 2010, 81, 141-155.	8.2	84
70	Reduction of dissolved oxygen in boiler water using new redox polymers. <i>Journal of Applied Polymer Science</i> , 2010, 118, 7-16.	2.6	4
71	Évaluation des effets d'une lampe à cathode creuse pulsée à courant variable sur les interférences spectrales de l'arsenic dans le dosage du cadmium par spectrophotométrie d'absorption atomique. Article envoyé à la Revue du génie et de la science de l'environnement.. <i>Canadian Journal of Civil Engineering</i> , 2010, 37, 346-353.	1.3	1
72	Contamination of woody habitat soils around a former lead smelter in the North of France. <i>Science of the Total Environment</i> , 2009, 407, 5564-5577.	8.0	98

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73	The problem of arsenic interference in the analysis of Cd to evaluate its extractability in soils contaminated by arsenic. <i>Talanta</i> , 2009, 80, 716-722.	5.5	30
74	Contamination of Urban Soils in an Area of Northern France Polluted by Dust Emissions of Two Smelters. <i>Water, Air, and Soil Pollution</i> , 2008, 188, 247-260.	2.4	134
75	Impact of a smelter shutdown on metal contents of wheat cultivated in the neighbourhood. <i>Environmental Science and Pollution Research</i> , 2008, 15, 162-169.	5.3	82
76	Heavy Metals in Soil, Crops and Grass as a Source of Human Exposure in the Former Mining Areas (6) <i>Tj ETQq0 0 0 ggBT /Overlock 10 Tf</i>	3.0	188
77	On the synthesis of dimethoxybenzyl cinnamates, monomers for electron transfer polymers. <i>Tetrahedron</i> , 2001, 57, 4889-4901.	1.9	14
78	Synthesis of new electron transfer polymers for the reduction of dissolved oxygen in water. <i>Journal of Applied Polymer Science</i> , 2001, 80, 223-229.	2.6	4
79	¹ H and ¹³ C Nmr Determination of Polysubstituted Diphenylmethane Dimers Mechanism of Their Formation by Reduction of Polymethoxylated Benzophenones. <i>Spectroscopy Letters</i> , 2000, 33, 755-775.	1.0	4
80	Montmorilloniteâ€“palladiumâ€“copper catalyzed cross-coupling of methyl acrylate with aryl amines. <i>Tetrahedron Letters</i> , 2000, 41, 317-319.	1.4	23
81	A study of hydrogenation of benzhydrols in the presence of catalytic amount of triflic acid. <i>Canadian Journal of Chemistry</i> , 2000, 78, 1242-1246.	1.1	25
82	¹ H and ¹³ C NMR Determination of 1-Naphtyl-Polymethoxylated Diphenylwiethanes. <i>Spectroscopy Letters</i> , 2000, 33, 211-226.	1.0	2