Christophe Waterlot

List of Publications by Year
in descending order

82	2,182	257450	233421
papers	citations	24 h-index	45 g-index

87	87	87	2257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heavy Metals in Soil, Crops and Grass as a Source of Human Exposure in the Former Mining Areas (6) Tj ETQq1 1 0.784314 rgBT /Ove	3.0	188
2	Contamination of Urban Soils in an Area of Northern France Polluted by Dust Emissions of Two Smelters. Water, Air, and Soil Pollution, 2008, 188, 247-260.	2.4	134
3	Cd, Pb and Zn Oral Bioaccessibility of Urban Soils Contaminated in the Past by Atmospheric Emissions from Two Lead and Zinc Smelters. Archives of Environmental Contamination and Toxicology, 2010, 58, 945-954.	4.1	115
4	Contamination of woody habitat soils around a former lead smelter in the North of France. Science of the Total Environment, 2009, 407, 5564-5577.	8.0	98
5	Bioaccessibility of trace elements as affected by soil parameters in smelter-contaminated agricultural soils: A statistical modeling approach. Environmental Pollution, 2012, 160, 130-138.	7.5	90
6	Assessing Cd, Pb, Zn human bioaccessibility in smelter-contaminated agricultural topsoils (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.4	86
7	Spatial distribution of metals in smelter-impacted soils of woody habitats: Influence of landscape and soil properties, and risk for wildlife. Chemosphere, 2010, 81, 141-155.	8.2	84
8	Impact of a smelter closedown on metal contents of wheat cultivated in the neighbourhood. Environmental Science and Pollution Research, 2008, 15, 162-169.	5.3	82
9	Contamination, Fractionation and Availability of Metals in Urban Soils in the Vicinity of Former Lead and Zinc Smelters, France. Pedosphere, 2013, 23, 143-159.	4.0	80
10	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. Ecological Engineering, 2011, 37, 1081-1093.	3.6	76
11	Elaboration, characteristics and advantages of biochars for the management of contaminated soils with a specific overview on Miscanthus biochars. Journal of Environmental Management, 2015, 162, 275-289.	7.8	72
12	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial. Science of the Total Environment, 2011, 409, 647-654.	8.0	70
13	Influence of fly ash aided phytostabilisation of Pb, Cd and Zn highly contaminated soils on Lolium perenne and Trifolium repens metal transfer and physiological stress. Environmental Pollution, 2011, 159, 1721-1729.	7.5	60
14	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial. Science of the Total Environment, 2011, 409, 4504-4510.	8.0	58
15	From Conventional Lewis Acids to Heterogeneous Montmorillonite K10: Ecoâ€Friendly Plantâ€Based Catalysts Used as Green Lewis Acids. ChemSusChem, 2018, 11, 1249-1277.	6.8	56
16	Metal accumulation and shoot yield of MiscanthusÃ—giganteus growing in contaminated agricultural soils: Insights into agronomic practices. Agriculture, Ecosystems and Environment, 2015, 213, 61-71.	5.3	50
17	Influence of land use on human bioaccessibility of metals in smelter-impacted soils. Environmental Pollution, 2013, 178, 80-88.	7.5	42
18	Metal, nutrient and biomass accumulation during the growing cycle of Miscanthus established on metalâ€contaminated soils. Journal of Plant Nutrition and Soil Science, 2016, 179, 257-269.	1.9	40

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19	Growth and metal accumulation in Porcellio scaber exposed to poplar litter from Cd-, Pb-, and Zn-contaminated sites. Ecotoxicology and Environmental Safety, 2011, 74, 451-458.	6.0	38
20	Use of an in vitro digestion method to estimate human bioaccessibility of Cd in vegetables grown in smelter-impacted soils: the influence of cooking. Environmental Geochemistry and Health, 2015, 37, 767-778.	3.4	37
21	In vitro digestion and DGT techniques for estimating cadmium and lead bioavailability in contaminated soils: Influence of gastric juice pH. Science of the Total Environment, 2011, 409, 5076-5085.	8.0	35
22	Urban kitchen gardens: Effect of the soil contamination and parameters on the trace element accumulation in vegetables â€“ A review. Science of the Total Environment, 2020, 738, 139569.	8.0	31
23	The problem of arsenic interference in the analysis of Cd to evaluate its extractability in soils contaminated by arsenic. Talanta, 2009, 80, 716-722.	5.5	30
24	Gene expression analysis of 4 biomarker candidates in Eisenia fetida exposed to an environmental metallic trace elements gradient: A microcosm study. Science of the Total Environment, 2011, 409, 5470-5482.	8.0	30
25	A study of hydrogenation of benzhydrols in the presence of catalytic amount of triflic acid. Canadian Journal of Chemistry, 2000, 78, 1242-1246.	1.1	25
26	Montmorilloniteâ€“palladiumâ€“copper catalyzed cross-coupling of methyl acrylate with aryl amines. Tetrahedron Letters, 2000, 41, 317-319.	1.4	23
27	Do biochars influence the availability and human oral bioaccessibility of Cd, Pb, and Zn in a contaminated slightly alkaline soil?. Environmental Monitoring and Assessment, 2018, 190, 218.	2.7	23
28	Potentials of Miscanthus x giganteus for phytostabilization of trace element-contaminated soils: Ex situ experiment. Ecotoxicology and Environmental Safety, 2021, 214, 112125.	6.0	23
29	Effect of Miscanthus cultivation on metal fractionation and human bioaccessibility in metal-contaminated soils: comparison between greenhouse and field experiments. Environmental Science and Pollution Research, 2015, 22, 3043-3054.	5.3	21
30	Effects of grinding and shaking on Cd, Pb and Zn distribution in anthropogenically impacted soils. Talanta, 2012, 98, 185-196.	5.5	19
31	Impact of a Phosphate Amendment on the Environmental Availability and Phytoavailability of Cd and Pb in Moderately and Highly Carbonated Kitchen Garden Soils. Pedosphere, 2017, 27, 588-605.	4.0	19
32	Assessment of heavy metals in soil and terrestrial isopod Porcellio laevis in Tunisian industrialized areas. Environmental Earth Sciences, 2017, 76, 1.	2.7	19
33	Investigation of DGT as a metal speciation tool in artificial human gastrointestinal fluids. Analytica Chimica Acta, 2011, 699, 177-186.	5.4	16
34	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. Journal of Environmental Management, 2016, 171, 204-216.	7.8	16
35	From environmental data acquisition to assessment of gardenersâ€™ exposure: feedback in an urban context highly contaminated with metals. Environmental Science and Pollution Research, 2019, 26, 20107-20120.	5.3	15
36	On the synthesis of dimethoxybenzyl cinnamates, monomers for electron transfer polymers. Tetrahedron, 2001, 57, 4889-4901.	1.9	14

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37	Fluctuating asymmetry analysis on Porcellio scaber (Crustacea, Isopoda) populations living under metals-contaminated woody habitats. Ecological Indicators, 2012, 23, 130-139.	6.3	13
38	Alternative approach to the standard, measurements and testing programme used to establish phosphorus fractionation in soils. Analytica Chimica Acta, 2018, 1003, 26-33.	5.4	13
39	Benefits of Ryegrass on Multicontaminated Soils Part 1: Effects of Fertilizers on Bioavailability and Accumulation of Metals. Sustainability, 2019, 11, 5093.	3.2	13
40	Chemical Availability of Cd, Pb and Zn in Anthropogenically Polluted Soil: Assessing the Geochemical Reactivity and Oral Bioaccessibility. Pedosphere, 2017, 27, 616-629.	4.0	12
41	Evaluation of single-extraction methods to estimate the oral bioaccessibility of metal(loid)s in soils. Science of the Total Environment, 2020, 727, 138553.	8.0	12
42	Prediction of Extractable Cd, Pb and Zn in Contaminated Woody Habitat Soils Using a Change Point Detection Method. Pedosphere, 2016, 26, 282-298.	4.0	11
43	Miscanthus x giganteus culture on soils highly contaminated by metals: Modelling leaf decomposition impact on metal mobility and bioavailability in the soilâ€“plant system. Ecotoxicology and Environmental Safety, 2020, 199, 110654.	6.0	11
44	Structure and physical properties in crosslinked polyurethanes. Journal of Applied Polymer Science, 2011, 119, 1742-1751.	2.6	9
45	Ex situ evaluation of the effects of biochars on environmental and toxicological availabilities of metals and polycyclic aromatic hydrocarbons. Environmental Science and Pollution Research, 2020, 27, 1852-1869.	5.3	9
46	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. Journal of Analytical Methods in Chemistry, 2012, 2012, 1-10.	1.6	7
47	Determining the influence of the physicochemical parameters of urban soils on As availability using chemometric methods: A preliminary study. Journal of Environmental Sciences, 2016, 47, 183-192.	6.1	7
48	Value of biochars from Miscanthus x giganteus cultivated on contaminated soils to decrease the availability of metals in multicontaminated aqueous solutions. Environmental Science and Pollution Research, 2017, 24, 18204-18217.	5.3	7
49	Measure of environmental stress on Porcellio laevis Latreille, 1804 sampled near active Tunisian industrial areas. Ecotoxicology, 2018, 27, 729-741.	2.4	7
50	Distribution of Metals and Cell Wall Compounds in Leaf Parts of Three Tree Species Suitable for the Phytomanagement of Heavy Metalâ€“Contaminated Soils. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	7
51	Bioaccumulation of heavy metals in the terrestrial isopod Porcellionides pruinosus in the vicinity of Gabes-Ghannouch industrial complex. Human and Ecological Risk Assessment (HERA), 2020, 26, 1270-1284.	3.4	7
52	Biomass of ryegrass from field experiments: toward a cost-effective and efficient biosourced catalyst for the synthesis of Moclobemide. Green Chemistry Letters and Reviews, 2021, 14, 15-22.	4.7	7
53	On the synthesis and biological properties of isocombretastatins: a case of ketone homologation during Wittig reaction attempts. RSC Advances, 2013, 3, 3683.	3.6	6
54	Temperature Effects on Retention and Separation of PAHs in Reversed-Phase Liquid Chromatography Using Columns Packed with Fully Porous and Core-Shell Particles. Journal of Chemistry, 2016, 2016, 1-12.	1.9	6

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55	Effects of Heavy Metals Artificial Contamination on Porcellio laevis (Latreille, 1804) (Crustacea:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	6
56	Wheat and ryegrass biomass ashes as effective sorbents for metallic and organic pollutants from contaminated water in lab-engineered cartridge filtration system. Bioresource Technology, 2020, 318, 124044.	9.6	6
57	Arsenic mobility and speciation in contaminated kitchen garden and lawn soils: an evaluation of water for assessment of As phytoavailability. Environmental Science and Pollution Research, 2015, 22, 6164-6175.	5.3	5
58	Toward a New Way for the Valorization of Miscanthus Biomass Produced on Metal-Contaminated Soils Part 1: Mesocosm and Field Experiments. Sustainability, 2020, 12, 9370.	3.2	5
59	New Efficient Ecoâ€Friendly Supported Catalysts for the Synthesis of Amides with Antioxidant and Antiâ€Inflammatory Properties. ChemMedChem, 2020, 15, 459-467.	3.2	5
60	Advantages and limits to copper phytoextraction in vineyards. Environmental Science and Pollution Research, 2021, , 1.	5.3	5
61	Toward a New Way for the Valorization of Miscanthus Biomass Produced on Metal-Contaminated Soils Part 2: Miscanthus-Based Biosourced Catalyst: Design, Preparation, and Catalytic Efficiency in the Synthesis of Moclobemide. Sustainability, 2021, 13, 34.	3.2	5
62	¹H and¹³C Nmr Determination of Polysubstituted Diphenylmethane Dimers Mechanism of Their Formation by Reduction of Polymethoxylated Benzophenones. Spectroscopy Letters, 2000, 33, 755-775.	1.0	4
63	Synthesis of new electron transfer polymers for the reduction of dissolved oxygen in water. Journal of Applied Polymer Science, 2001, 80, 223-229.	2.6	4
64	Reduction of dissolved oxygen in boiler water using new redox polymers. Journal of Applied Polymer Science, 2010, 118, 7-16.	2.6	4
65	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. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2348-2358.	5.0	4
66	Analytical method for determining polycyclic aromatic hydrocarbon pollutants using ultrafast liquid chromatography with fluorescence detection and the recent column packed with the new 5 Î¼m Kinetex-C18 core-shell particles. Canadian Journal of Chemistry, 2015, 93, 564-571.	1.1	4
67	Determination of PAHs by ultra fast liquid chromatography using a core-shell technology â€“ Application to their determination after using biochar as adsorbent. Measurement: Journal of the International Measurement Confederation, 2017, 106, 137-142.	5.0	4
68	Benefits of Ryegrass on Multicontaminated Soils Part 2: A Green Process to Provide Idrocilamide. Sustainability, 2019, 11, 6685.	3.2	4
69	DFT calculations on the Friedel-Crafts benzylation of 1,4-dimethoxybenzene using ZnCl2 impregnated montmorillonite K10 â€" inversion of relative selectivities and reactivities of aryl halides. Chemical Papers, 2011, 65, .	2.2	3
70	An innovative and efficient method to synthesize meloxicam in one-step procedure with respect to the green chemistry. Journal of the Iranian Chemical Society, 2019, 16, 501-509.	2.2	3
71	The phytoextraction power of Cichorium intybus L. on metal-contaminated soil: Focus on time- and cultivar-depending accumulation and distribution of cadmium, lead and zinc. Chemosphere, 2022, 287, 132122.	8.2	3
72	Minimizing Chloride Interferences Produced by Calcium Chloride in the Determination of Cd by Graphite Furnace Atomic Absorption Spectrometry. ISRN Spectroscopy, 2012, 2012, 1-10.	0.9	3

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73	Removal of heavy metals from contaminated water using industrial wastes containing calcium and magnesium. Journal of Cleaner Production, 2022, 337, 130472.	9.3	3
74	1H and13C NMR Determination of 1-Naphtyl-Polymethoxylated Diphenylwiethanes. Spectroscopy Letters, 2000, 33, 211-226.	1.0	2
75	Application of the high-speed self-reversal background corrector to the determination of cadmium by chemical vapor generation atomic absorption spectrometry. Canadian Journal of Chemistry, 2012, 90, 874-879.	1.1	2
76	A sustainable approach to manage metal-contaminated soils: a preliminary greenhouse study for the possible production of metal-enriched ryegrass biomass for biosourced catalysts. Environmental Monitoring and Assessment, 2019, 191, 626.	2.7	2
77	The potential of ryegrass (Lolium perenne L.) to clean up multi-contaminated soils from labile and phytoavailable potentially toxic elements to contribute into a circular economy. Environmental Science and Pollution Research, 2019, 26, 17489-17498.	5.3	2
78	Ecocatalysed Hurtley reaction: Synthesis of urolithin derivatives as new potential RAGE antagonists with anti-ageing properties. Sustainable Chemistry and Pharmacy, 2021, 23, 100518.	3.3	2
79	Ã‰valuation des effets dâ€™une lampe Ã cathode creuse pulsÃ©e Ã courant variable sur les interfÃ©rences spectrales de lâ€™arsenic dans le dosage du cadmium par spectrophotomÃ©trie dâ€™absorption atomiqueArticle envoyÃ© Ã la Revue du gÃ©nie et de la science de l'environnement.. Canadian Journal of Civil Engineering, 2010, 37, 346-353.	1.3	1
80	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. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	1
81	Physiological and histopathological responses of Porcellio laevis (Isopoda, Crustacea) as indicators of metal trace element contamination. Microscopy Research and Technique, 2020, 83, 402-409.	2.2	1
82	Histopathological Changes in the Hepatopancreas of Porcellio Laevis (Crustacea, Isopoda) After Exposure to Cd and Zn Mixture. Environmental Science and Engineering, 2021, , 587-592.	0.2	0