

Gilles Colinet

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3281579/gilles-colinet-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75 papers	1,492 citations	24 h-index	35 g-index
87 ext. papers	1,770 ext. citations	3.6 avg, IF	4.53 L-index

#	Paper	IF	Citations
75	Element Case Studies: Cobalt. <i>Mineral Resource Reviews</i> , 2021 , 385-391	0.5	
74	Targeting the right parameters in PAH remediation studies. <i>Environmental Pollution</i> , 2021 , 278, 116857	9.3	2
73	Temporal Evolution of PAHs Bioaccessibility in an Aged-Contaminated Soil during the Growth of Two. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
72	Long-term fertilization and intensive cropping enhance carbon and nitrogen accumulated in soil clay-sized particles of red soil in South China. <i>Journal of Soils and Sediments</i> , 2020 , 20, 1824-1833	3.4	6
71	Ecological niche distribution along soil toxicity gradients: Bridging theoretical expectations and metallophyte conservation. <i>Ecological Modelling</i> , 2020 , 415, 108861	3	2
70	Spatial variability of soil properties in red soil and its implications for site-specific fertilizer management. <i>Journal of Integrative Agriculture</i> , 2020 , 19, 2313-2325	3.2	6
69	Species diversity of <i>Arabis alpina</i> L. communities in two Pb/Zn mining areas with different smelting history in Yunnan Province, China. <i>Chemosphere</i> , 2019 , 233, 603-614	8.4	11
68	Concentrations and sources of Cd, Cr, Cu, Fe, Ni, Pb and Zn in soil of the Mitidja plain, Algeria. <i>Toxicological and Environmental Chemistry</i> , 2019 , 101, 59-74	1.4	5
67	Influence of edaphic conditions and nitrogen fertilizers on cadmium and zinc phytoextraction efficiency of <i>Noccaea caerulea</i> . <i>Science of the Total Environment</i> , 2019 , 665, 649-659	10.2	13
66	Effects of termite sheetings on soil properties under two contrasting soil management practices. <i>Pedobiologia</i> , 2019 , 76, 150573	1.7	3
65	Geochemical Baseline Values Determination and Evaluation of Heavy Metal Contamination in Soils of Lanping Mining Valley (Yunnan Province, China). <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	8
64	Investigating the Effect of <i>Medicago sativa</i> L. and <i>Trifolium pratense</i> L. Root Exudates on PAHs Bioremediation in an Aged-Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	3
63	Mobility of copper and cobalt in metalliferous ecosystems: Results of a lysimeter study in the Lubumbashi Region (Democratic Republic of Congo). <i>Journal of Geochemical Exploration</i> , 2019 , 196, 208-218	3.8	8
62	Changes of Soil Phosphorus Fractionation According to pH in Red Soils of China: An Incubation Experiment. <i>Communications in Soil Science and Plant Analysis</i> , 2018 , 49, 791-802	1.5	5
61	Tolerance and accumulation of cobalt in three species of <i>Haumaniastrum</i> and the influence of copper. <i>Environmental and Experimental Botany</i> , 2018 , 149, 27-33	5.9	22
60	Short-Term Effects of Tillage Practices and Crop Residue Exportation on Soil Organic Matter and Earthworm Communities in Silt Loam Arable Soil 2018 , 53-71		2
59	Services and Dysservices of Collective Gardens in Urban Areas: A Soil Perspective. <i>Advances in Science, Technology and Innovation</i> , 2018 , 25-26	0.3	

58	Variation in copper and cobalt tolerance and accumulation among six populations of the facultative metallophyte <i>Anisopappus chinensis</i> (Asteraceae). <i>Environmental and Experimental Botany</i> , 2018 , 153, 1-9	5.9	6
57	Looking for a dialogue between farmers and scientific soil knowledge: Learnings from an ethno-geomorphopedological study in a Philippine upland village. <i>Agroecology and Sustainable Food Systems</i> , 2018 , 42, 2-27	2	9
56	Element Case Studies: Cobalt and Copper. <i>Mineral Resource Reviews</i> , 2018 , 233-239	0.5	2
55	Effect of Cadmium, Copper and Lead on the Growth of Rice in the Coal Mining Region of Quang Ninh, Cam-Pha (Vietnam). <i>Sustainability</i> , 2018 , 10, 1758	3.6	15
54	Transfert en cadmium et zinc vers blé de printemps en sols contaminés et non contaminés de Belgique : Évaluation et prédiction. <i>Cahiers Agricultures</i> , 2018 , 27, 25002	0.9	1
53	Could saponins be used to enhance bioremediation of polycyclic aromatic hydrocarbons in aged-contaminated soils?. <i>Chemosphere</i> , 2018 , 194, 414-421	8.4	18
52	Impact of crop residue management on crop production and soil chemistry after seven years of crop rotation in temperate climate, loamy soils. <i>PeerJ</i> , 2018 , 6, e4836	3.1	30
51	Effects of Permaculture Practices on Soil Physicochemical Properties and Organic Matter Distribution in Aggregates: A Case Study of the Bec-Hellouin Farm (France). <i>Frontiers in Environmental Science</i> , 2018 , 6,	4.8	9
50	Functional traits of a broad-niched metallophyte along a toxicity gradient: disentangling intra and inter-population variation. <i>Environmental and Experimental Botany</i> , 2018 , 156, 240-247	5.9	1
49	Functional traits of a facultative metallophyte from tropical Africa: population variation and plasticity in response to cobalt. <i>Environmental and Experimental Botany</i> , 2017 , 136, 1-8	5.9	8
48	Can DEM time series produced by UAV be used to quantify diffuse erosion in an agricultural watershed?. <i>Geomorphology</i> , 2017 , 280, 122-136	4.3	58
47	Diachronic soil surveys: A method for quantifying long-term diffuse erosion?. <i>Geoderma Regional</i> , 2017 , 10, 102-114	2.7	5
46	Specialized edaphic niches of threatened copper endemic plant species in the D.R. Congo: implications for ex situ conservation. <i>Plant and Soil</i> , 2017 , 413, 261-273	4.2	8
45	Copper and cobalt accumulation in plants: a critical assessment of the current state of knowledge. <i>New Phytologist</i> , 2017 , 213, 537-551	9.8	135
44	Temporal Dynamics of Soil Microbial Communities below the Seedbed under Two Contrasting Tillage Regimes. <i>Frontiers in Microbiology</i> , 2017 , 8, 1127	5.7	72
43	Agro-Environmental Sustainability of the Yuanyang Rice Terraces in Yunnan Province, China 2017 , 117-126		0
42	Ullmann reaction through ecocatalysis: insights from bioresource and synthetic potential. <i>RSC Advances</i> , 2016 , 6, 59550-59564	3.7	24
41	Copper and cobalt mobility in soil and accumulation in a metallophyte as influenced by experimental manipulation of soil chemical factors. <i>Chemosphere</i> , 2016 , 146, 75-84	8.4	36

40	No favorable effect of reduced tillage on microbial community diversity in a silty loam soil (Belgium). <i>Agriculture, Ecosystems and Environment</i> , 2016 , 224, 12-21	5.7	38
39	Implication of plant-soil relationships for conservation and restoration of copper-cobalt ecosystems. <i>Plant and Soil</i> , 2016 , 403, 153-165	4.2	22
38	Earthworms <i>Eisenia fetida</i> affect the uptake of heavy metals by plants <i>Vicia faba</i> and <i>Zea mays</i> in metal-contaminated soils. <i>Applied Soil Ecology</i> , 2016 , 104, 67-78	5	40
37	Assessment of soil metal distribution and environmental impact of mining in Katanga (Democratic Republic of Congo). <i>Applied Geochemistry</i> , 2016 , 64, 43-55	3.5	71
36	Potential of copper-tolerant grasses to implement phytostabilisation strategies on polluted soils in South D. R. Congo : Poaceae candidates for phytostabilisation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13693-705	5.1	25
35	Comparison of translocation methods to conserve metallophyte communities in the Southeastern D.R. Congo. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13681-92	5.1	17
34	Crop residue management in arable cropping systems under temperate climate. Part 1: Soil biological and chemical (phosphorus and nitrogen) properties. A review. <i>Biotechnology, Agronomy and Society and Environment</i> , 2016 , 236-244	1.3	6
33	Indicators of phosphorus status in soils: significance and relevance for crop soils in southern Belgium. A review. <i>Biotechnology, Agronomy and Society and Environment</i> , 2016 , 257-272	1.3	8
32	Crop residue management in arable cropping systems under a temperate climate. Part 2: Soil physical properties and crop production. A review. <i>Biotechnology, Agronomy and Society and Environment</i> , 2016 , 245-256	1.3	13
31	Assessment of vertical contamination of Cd, Pb and Zn in soils around a former ore smelter in Wallonia, Belgium. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	12
30	Degree of phosphorus saturation in agricultural loamy soils with a near-neutral pH. <i>European Journal of Soil Science</i> , 2015 , 66, 33-41	3.4	13
29	Determination of zinc, cadmium and lead bioavailability in contaminated soils at the single-cell level by a combination of whole-cell biosensors and flow cytometry. <i>Sensors</i> , 2015 , 15, 8981-99	3.8	23
28	A novel sub-phylum method discriminates better the impact of crop management on soil microbial community. <i>Agronomy for Sustainable Development</i> , 2015 , 35, 1157-1166	6.8	15
27	Plant functional traits as a promising tool for the ecological restoration of degraded tropical metal-rich habitats and revegetation of metal-rich bare soils: A case study in copper vegetation of Katanga, DRC. <i>Ecological Engineering</i> , 2015 , 82, 214-221	3.9	38
26	Three years of phytostabilisation experiment of bare acidic soil extremely contaminated by copper smelting using plant biodiversity of metal-rich soils in tropical Africa (Katanga, DR Congo). <i>Ecological Engineering</i> , 2015 , 82, 81-90	3.9	25
25	Modeling of cobalt and copper speciation in metalliferous soils from Katanga (Democratic Republic of Congo). <i>Journal of Geochemical Exploration</i> , 2015 , 149, 87-96	3.8	24
24	Speciation of Heavy Metals by Modified BCR Sequential Extraction in Soils Contaminated by Phosphogypsum in Sfax, Tunisia. <i>Environmental Research, Engineering and Management</i> , 2015 , 70,	2.8	12
23	Prediction of the edaphic factors influence upon the copper and cobalt accumulation in two metallophytes using copper and cobalt speciation in soils. <i>Plant and Soil</i> , 2014 , 379, 275-287	4.2	36

22	Diversity of bacterial communities in a profile of a winter wheat field: known and unknown members. <i>Microbial Ecology</i> , 2014 , 68, 822-33	4.4	23
21	Soil contamination near a former Zn/Pb ore-treatment plant: Evaluation of deterministic factors and spatial structures at the landscape scale. <i>Journal of Geochemical Exploration</i> , 2014 , 147, 107-116	3.8	26
20	Mobility and distribution of lead, cadmium, copper and zinc in soil profiles in the peri-urban market garden of Kunming, Yunnan Province, China. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 133-149	2	6
19	Chemical soil factors influencing plant assemblages along copper-cobalt gradients: implications for conservation and restoration. <i>Plant and Soil</i> , 2013 , 373, 455-469	4.2	27
18	Description of a new procedure to estimate the carbon stocks of all forest pools and impact assessment of methodological choices on the estimates. <i>European Journal of Forest Research</i> , 2013 , 132, 565-577	2.7	11
17	Relationships between the P status of surface and deep horizons of agricultural soils under various cropping systems and for different soil types: a case study in Belgium. <i>Soil Use and Management</i> , 2013 , 29, 103-113	3.1	9
16	Small-scale diversity of plant communities and distribution of species niches on a copper rock outcrop in Upper Katanga, D.R.Congo. <i>Plant Ecology and Evolution</i> , 2013 , 146, 173-182	1.6	14
15	Trace Metals in Surface Soil Contaminated by Release of Phosphate Industry in the Surroundings of Sfax-Tunisia. <i>Environmental Research, Engineering and Management</i> , 2013 , 65,	2.8	10
14	Ecology and Hybridization Potential of Two Sympatric Metallophytes, the Narrow Endemic <i>Crepidorrhodon perennis</i> (Linderniaceae) and its More Widespread Congener <i>C. tenuis</i> . <i>Biotropica</i> , 2012 , 44, 454-462	2.3	13
13	Copper tolerance and accumulation in two cuprophytes of South Central Africa: <i>Crepidorrhodon perennis</i> and <i>C. tenuis</i> (Linderniaceae). <i>Environmental and Experimental Botany</i> , 2012 , 84, 11-16	5.9	32
12	Investigating the Vegetation-Soil Relationships on the Copper-Cobalt Rock Outcrops of Katanga (D. R. Congo), an Essential Step in a Biodiversity Conservation Plan. <i>Restoration Ecology</i> , 2012 , 20, 405-415	3.1	29
11	Rapid restoration of a species-rich ecosystem assessed from soil and vegetation indicators: The case of calcareous grasslands restored from forest stands. <i>Ecological Indicators</i> , 2011 , 11, 724-733	5.8	40
10	Near Infrared Reflectance Spectroscopy for Estimating Soil Characteristics Valuable in the Diagnosis of Soil Fertility. <i>Journal of Near Infrared Spectroscopy</i> , 2011 , 19, 117-138	1.5	57
9	May Rare Metallophytes Benefit from Disturbed Soils Following Mining Activity? The Case of the <i>Crepidorrhodon tenuis</i> in Katanga (D. R. Congo). <i>Restoration Ecology</i> , 2011 , 19, 333-343	3.1	27
8	Factors affecting trace element content in periurban market garden subsoil in Yunnan Province, China. <i>Journal of Environmental Sciences</i> , 2011 , 23, 488-96	6.4	6
7	Availability of Trace Elements for Chinese Cabbage Amended with Lime in a Periurban Market Garden in Yunnan Province, China. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 1706-1718	1.5	2
6	Phytostabilisation of copper-contaminated soil in Katanga: an experiment with three native grasses and two amendments. <i>International Journal of Phytoremediation</i> , 2010 , 12, 616-32	3.9	41
5	Soil affects on the cadmium and zinc contents of Chinese cabbage in Yunnan Province, China. <i>Archives of Agronomy and Soil Science</i> , 2010 , 56, 107-117	2	2

4	Copper endemism in the Congolese flora: a database of copper affinity and conservational value of cuprophytes. <i>Plant Ecology and Evolution</i> , 2010 , 143, 5-18	1.6	46
3	Copper tolerance in the cuprophyte <i>Haumaniastrum katangense</i> (S. Moore) P.A. Duvign. & Plancke. <i>Plant and Soil</i> , 2010 , 328, 235-244	4.2	45
2	Soil influence on Cu and Co uptake and plant size in the cuprophytes <i>Crepidorrhodon perennis</i> and <i>C. tenuis</i> (Scrophulariaceae) in SC Africa. <i>Plant and Soil</i> , 2009 , 317, 201-212	4.2	43
1	Co-composted biochar to decrease fertilization rates in cotton/maize rotation in Burkina Faso. <i>Agronomy Journal</i> ,	2.2	2