

Manuel Blouin

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,402
citations

218677

26
h-index

133252

59
g-index

74
all docs

74
docs citations

74
times ranked

5025
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil invertebrates and ecosystem services. <i>European Journal of Soil Biology</i> , 2006, 42, S3-S15.	3.2	1,050
2	A review of earthworm impact on soil function and ecosystem services. <i>European Journal of Soil Science</i> , 2013, 64, 161-182.	3.9	800
3	Let the Core Microbiota Be Functional. <i>Trends in Plant Science</i> , 2017, 22, 583-595.	8.8	317
4	Earthworm services for cropping systems. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 553-567.	5.3	215
5	Earthworms Building Up Soil Microbiota, a Review. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	172
6	Plant Preference for Ammonium versus Nitrate: A Neglected Determinant of Ecosystem Functioning?. <i>American Naturalist</i> , 2012, 180, 60-69.	2.1	155
7	Ecosystem Engineers in a Self-organized Soil. <i>Soil Science</i> , 2016, 181, 91-109.	0.9	145
8	Belowground organism activities affect plant aboveground phenotype, inducing plant tolerance to parasites. <i>Ecology Letters</i> , 2005, 8, 202-208.	6.4	123
9	Vermicompost significantly affects plant growth. A meta-analysis. <i>Agronomy for Sustainable Development</i> , 2019, 39, 1.	5.3	92
10	Habitat quality, conspecific density, and habitat pre-use affect the dispersal behaviour of two earthworm species, <i>Aporrectodea icterica</i> and <i>Dendrobaena veneta</i> , in a mesocosm experiment. <i>Soil Biology and Biochemistry</i> , 2010, 42, 203-209.	8.8	75
11	Earthworm effects on plant growth do not necessarily decrease with soil fertility. <i>Plant and Soil</i> , 2010, 328, 109-118.	3.7	67
12	A review of the effects of soil organisms on plant hormone signalling pathways. <i>Environmental and Experimental Botany</i> , 2015, 114, 104-116.	4.2	63
13	Earthworms (<i>Millsonia anomala</i> , Megascolecidae) do not increase rice growth through enhanced nitrogen mineralization. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2063-2068.	8.8	56
14	Effect of earthworms on plant <i>Lantana camara</i> Pb-uptake and on bacterial communities in root-adhering soil. <i>Science of the Total Environment</i> , 2012, 416, 200-207.	8.0	56
15	Signal Molecules Mediate the Impact of the Earthworm <i>Aporrectodea caliginosa</i> on Growth, Development and Defence of the Plant <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2012, 7, e49504.	2.5	54
16	Levels and limits in artificial selection of communities. <i>Ecology Letters</i> , 2015, 18, 1040-1048.	6.4	53
17	Effects of an endogeic and an anecic earthworm on the competition between four annual plants and their relative fecundity. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1668-1673.	8.8	51
18	Drought stress in rice (<i>Oryza sativa</i> L.) is enhanced in the presence of the compacting earthworm <i>Millsonia anomala</i> . <i>Environmental and Experimental Botany</i> , 2007, 60, 352-359.	4.2	45

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19	Ecosystem services must tackle anthropized ecosystems and ecological engineering. <i>Ecological Engineering</i> , 2017, 99, 486-495.	3.6	44
20	Genotypic variability enhances the reproducibility of an ecological study. <i>Nature Ecology and Evolution</i> , 2018, 2, 279-287.	7.8	41
21	A Tale of Four Stories: Soil Ecology, Theory, Evolution and the Publication System. <i>PLoS ONE</i> , 2007, 2, e1248.	2.5	40
22	Earthworms influence the production of above- and belowground biomass and the expression of genes involved in cell proliferation and stress responses in <i>Arabidopsis thaliana</i> . <i>Soil Biology and Biochemistry</i> , 2010, 42, 244-252.	8.8	40
23	A quick method to determine root biomass distribution in diameter classes. <i>Plant and Soil</i> , 2007, 290, 371-381.	3.7	38
24	Using constructed soils for green infrastructure – challenges and limitations. <i>Soil</i> , 2020, 6, 413-434.	4.9	36
25	Initial conditions during Technosol implementation shape earthworms and ants diversity. <i>Landscape and Urban Planning</i> , 2017, 159, 32-41.	7.5	34
26	A core microbiota of the plant-earthworm interaction conserved across soils. <i>Soil Biology and Biochemistry</i> , 2020, 144, 107754.	8.8	34
27	Chemical communication: An evidence for co-evolution between plants and soil organisms. <i>Applied Soil Ecology</i> , 2018, 123, 409-415.	4.3	30
28	Effect of the Reproduction Method in an Artificial Selection Experiment at the Community Level. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	26
29	Interactive effects of compost, plants and earthworms on the aggregations of constructed Technosols. <i>Geoderma</i> , 2017, 305, 305-313.	5.1	25
30	5 Earthworms as key actors in self-organized soil systems. <i>Theoretical Ecology Series</i> , 2007, , 77-l.	0.2	24
31	Plant parasite control and soil fauna diversity. <i>Comptes Rendus - Biologies</i> , 2004, 327, 629-638.	0.2	23
32	Influence of Organic Matter Content on Hydro-Structural Properties of Constructed Technosols. <i>Pedosphere</i> , 2016, 26, 486-498.	4.0	23
33	Near infrared spectroscopy (NIRS) to estimate earthworm cast age. <i>Soil Biology and Biochemistry</i> , 2014, 70, 47-53.	8.8	22
34	Combined effects of earthworms and IAA-producing rhizobacteria on plant growth and development. <i>Applied Soil Ecology</i> , 2014, 80, 100-107.	4.3	20
35	Interactions between organisms and parent materials of a constructed Technosol shape its hydrostructural properties. <i>Soil</i> , 2016, 2, 163-174.	4.9	20
36	Artificial selection of stable rhizosphere microbiota leads to heritable plant phenotype changes. <i>Ecology Letters</i> , 2022, 25, 189-201.	6.4	20

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37	Balkanized Research in Ecological Engineering Revealed by a Bibliometric Analysis of Earthworms and Ecosystem Services. <i>Environmental Management</i> , 2013, 52, 309-320.	2.7	18
38	The Epistemic Revolution Induced by Microbiome Studies: An Interdisciplinary View. <i>Biology</i> , 2021, 10, 651.	2.8	18
39	Biocontrol of eyespot disease on two winter wheat cultivars by an anecic earthworm (<i>Lumbricus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 4.3 17	4.3	17
40	Plant-earthworm interactions: influence of age and proportion of casts in the soil on plant growth, morphology and nitrogen uptake. <i>Plant and Soil</i> , 2018, 424, 49-61.	3.7	17
41	Humusica 1, article 1: Essential bases " Vocabulary. <i>Applied Soil Ecology</i> , 2018, 122, 10-21.	4.3	16
42	Control of Cultivable IAA-Producing Bacteria by the Plant <i>Arabidopsis thaliana</i> and the Earthworm <i>Aporrectodea caliginosa</i> . <i>Applied and Environmental Soil Science</i> , 2012, 2012, 1-4.	1.7	15
43	Humusica 2, article 19: Techno humus systems and global change "conservation agriculture and 4/1000 proposal. <i>Applied Soil Ecology</i> , 2018, 122, 271-296.	4.3	15
44	Plant homeostasis, growth and development in natural and artificial soils. <i>Ecological Complexity</i> , 2012, 9, 10-15.	2.9	13
45	Tree growth and macrofauna colonization in Technosols constructed from recycled urban wastes. <i>Ecological Engineering</i> , 2020, 153, 105886.	3.6	13
46	Combined effects of contrast between poor and rich patches and overall nitrate concentration on <i>Arabidopsis thaliana</i> root system structure. <i>Functional Plant Biology</i> , 2011, 38, 364.	2.1	12
47	Spatial analysis of the root system coupled to microbial community inoculation shed light on rhizosphere bacterial community assembly. <i>Biology and Fertility of Soils</i> , 2021, 57, 973-989.	4.3	12
48	Environmental microbiology as a mosaic of explored ecosystems and issues. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13577-13598.	5.3	10
49	Transcriptional profiling of wheat in response to take-all disease and mechanisms involved in earthworm's biocontrol effect. <i>European Journal of Plant Pathology</i> , 2016, 144, 155-165.	1.7	10
50	Sampling the control bulk soil for rhizosphere and drilosphere microbial studies. <i>Geoderma</i> , 2020, 380, 114674.	5.1	10
51	Comment on "Global distribution of earthworm diversity". <i>Science</i> , 2021, 371, .	12.6	10
52	Ecology for Sustainable and Multifunctional Agriculture. <i>Sustainable Agriculture Reviews</i> , 2018, , 1-46.	1.1	8
53	Earthworm effect on root morphology in a split root system. <i>Plant Biosystems</i> , 2018, 152, 780-786.	1.6	7
54	Split root system optimization based on the survival, growth and development of the model Poaceae <i>Brachypodium distachyon</i> . <i>Physiologia Plantarum</i> , 2020, 168, 227-236.	5.2	7

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55	Soil microbes drive the effect of plant species and genotypic diversity interaction on productivity.. Plant and Soil, 2021, 467, 165.	3.7	7
56	A Standardized Morpho-Functional Classification of the Planet's Humipedons. Soil Systems, 2022, 6, 59.	2.6	7
57	Wheat Rhizosphere Microbiota Respond to Changes in Plant Genotype, Chemical Inputs, and Plant Phenotypic Plasticity. Frontiers in Ecology and Evolution, 0, 10, .	2.2	7
58	Bulk and rhizosphere soil properties under two Coffea species influenced by the earthworm Pontoscolex corethrurus. Rhizosphere, 2022, 21, 100458.	3.0	6
59	Community diversity determines the evolution of synthetic bacterial communities under artificial selection. Evolution; International Journal of Organic Evolution, 2022, 76, 1883-1895.	2.3	5
60	Controlled natural selection of soil microbiome through plant-soil feedback confers resistance to a foliar pathogen. Plant and Soil, 2023, 485, 181-195.	3.7	4