Fernando Monroy

List of Publications by Year in descending order

33 papers	1,490 citations	394421 19 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1332 citing authors

#	Article	IF	Citations
1	Earthworms strongly modify microbial biomass and activity triggering enzymatic activities during vermicomposting independently of the application rates of pig slurry. Science of the Total Environment, 2007, 385, 252-261.	8.0	183
2	How earthworm density affects microbial biomas and activity in pig manure. European Journal of Soil Biology, 2002, 38, 7-10.	3.2	125
3	Eisenia fetida (Oligochaeta, Lumbricidae) Activates Fungal Growth, Triggering Cellulose Decomposition During Vermicomposting. Microbial Ecology, 2006, 52, 738-747.	2.8	119
4	Eisenia fetida (Oligochaeta: Lumbricidae) Modifies the Structure and Physiological Capabilities of Microbial Communities Improving Carbon Mineralization During Vermicomposting of Pig Manure. Microbial Ecology, 2007, 54, 662-671.	2.8	108
5	Reduction of total coliform numbers during vermicomposting is caused by short-term direct effects of earthworms on microorganisms and depends on the dose of application of pig slurry. Science of the Total Environment, 2009, 407, 5411-5416.	8.0	94
6	Detritivorous earthworms directly modify the structure, thus altering the functioning of a microdecomposer food web. Soil Biology and Biochemistry, 2008, 40, 2511-2516.	8.8	93
7	Changes in density of nematodes, protozoa and total coliforms after transit through the gut of four epigeic earthworms (Oligochaeta). Applied Soil Ecology, 2008, 39, 127-132.	4.3	73
8	Effects of two species of earthworms (Allolobophora spp.) on soil systems: a microfaunal and biochemical analysisThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 877-881.	1.2	58
9	Intraspecific Variation in Plant Defense Alters Effects of Root Herbivores on Leaf Chemistry and Aboveground Herbivore Damage. Journal of Chemical Ecology, 2008, 34, 1360-1367.	1.8	58
10	Changes in microbial biomass and microbial activity of pig slurry after the transit through the gut of the earthworm Eudrilus eugeniae (Kinberg, 1867). Biology and Fertility of Soils, 2006, 42, 371-376.	4.3	57
11	Community patterns of soil bacteria and nematodes in relation to geographic distance. Soil Biology and Biochemistry, 2012, 45, 1-7.	8.8	56
12	Ageing effects on nitrogen dynamics and enzyme activities in casts of Aporrectodea caliginosa (Lumbricidae). Pedobiologia, 2005, 49, 467-473.	1.2	48
13	C toÂN ratio strongly affects population structure ofÂEiseniaÂfetida inÂvermicomposting systems. European Journal of Soil Biology, 2006, 42, S127-S131.	3.2	46
14	Seasonal population dynamics of Eisenia fetida (Savigny, 1826) (Oligochaeta, Lumbricidae) in the field. Comptes Rendus - Biologies, 2006, 329, 912-915.	0.2	45
15	Changes in bacterial numbers and microbial activity of pig slurry during gut transit of epigeic and anecic earthworms. Journal of Hazardous Materials, 2009, 162, 1404-1407.	12.4	45
16	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. BioScience, 2013, 63, 35-42.	4.9	34
17	Microbial Biomass Governs Enzyme Activity Decay during Aging of Worm-Worked Substrates through Vermicomposting. Journal of Environmental Quality, 2007, 36, 448-452.	2.0	33
18	Size-assortative mating in the earthworm Eisenia fetida (Oligochaeta, Lumbricidae). Journal of Ethology, 2005, 23, 69-70.	0.8	25

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19	Epigeic earthworms increase soil arthropod populations during first steps of decomposition of organic matter. Pedobiologia, 2011, 54, 93-99.	1.2	21
20	Effects of two species of earthworms (Allolobophora spp.) on soil systems: a microfaunal and biochemical analysis. Pedobiologia, 2003, 47, 877-881.	1.2	18
21	Filiferol, a chalconoid analogue from Washingtonia filifera possibly involved in the defence against the Red Palm Weevil Rhynchophorus ferrugineus Olivier. Phytochemistry, 2015, 115, 216-221.	2.9	17
22	Uniparental reproduction of Eisenia fetida and E. andrei (Oligochaeta: Lumbricidae): evidence of self-inseminationThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 530-534.	1.2	16
23	Ultrasound-Assisted Extraction of Lavender (Lavandula angustifolia Miller, Cultivar Rosa) Solid By-Products Remaining after the Distillation of the Essential Oil. Applied Sciences (Switzerland), 2021, 11, 5495.	2.5	16
24	Have spermatophores in Eisenia fetida (Oligochaeta, Lumbricidae) any reproductive role?The 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 526-529.	1.2	14
25	Stress promotes changes in resource allocation to growth and reproduction in a simultaneous hermaphrodite with indeterminate growth. Biological Journal of the Linnean Society, 0, 91, 593-600.	1.6	13
26	Metabolic changes associated to the unblocking of adventitious root formation in aged, rooting-recalcitrant cuttings of Eucalyptus gunnii Hook. f. (Myrtaceae). Plant Growth Regulation, 2019, 89, 73-82.	3.4	13
27	Life cycle of the earthworm Octodrilus complanatus (Oligochaeta, Lumbricidae). Comptes Rendus - Biologies, 2007, 330, 389-391.	0.2	11
28	Have spermatophores in Eisenia fetida (Oligochaeta, Lumbricidae) any reproductive role?. Pedobiologia, 2003, 47, 526-529.	1.2	9
29	Uniparental reproduction of Eisenia fetida and E. andrei (Oligochaeta: Lumbricidae): evidence of self-insemination. Pedobiologia, 2003, 47, 530-534.	1.2	9
30	Susceptibility and possible resistance mechanisms in the palm species Phoenix dactylifera, Chamaerops humilis and Washingtonia filifera against Rhynchophorus ferrugineus (Olivier, 1790) (Coleoptera: Curculionidae). Bulletin of Entomological Research, 2016, 106, 341-346.	1.0	9
31	Orchis patens Desf.: seed morphology of an endangered Mediterranean orchid. Plant Biosystems, 2017, 151, 770-774.	1.6	9
32	Distribution of earthworms in the north-west of the Iberian Peninsula. European Journal of Soil Biology, 2003, 39, 13-18.	3.2	8
33	Local variation in belowground multitrophic interactions. Soil Biology and Biochemistry, 2009, 41, 1689-1695.	8.8	7