

Cornelia Rumpel

List of Publications by Year in descending order

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Version: 2024-02-01

224
papers

17,784
citations

17405

63
h-index

15683

125
g-index

234
all docs

234
docs citations

234
times ranked

15184
citing authors

#	ARTICLE	IF	CITATIONS
1	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4308-4324.	6.6	52
2	Editorial: Carbon Storage in Agricultural and Forest Soils. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	3
3	Phosphorus fertiliser source determines the allocation of root-derived organic carbon to soil organic matter fractions. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108614.	4.2	7
4	Interactions between soils and climate change. , 2022, , .		0
5	Mechanisms and kinetics of (de-)protection of soil organic carbon in earthworm casts in a tropical environment. <i>Soil Biology and Biochemistry</i> , 2022, 170, 108686.	4.2	5
6	Faeces traits as unifying predictors of detritivore effects on organic matter turnover. <i>Geoderma</i> , 2022, 422, 115940.	2.3	9
7	The role of soil carbon sequestration in enhancing human resilience in tackling global crises including pandemics. <i>Soil Security</i> , 2022, 8, 100069.	1.2	6
8	Pyrolysis-GCMS as a Tool for Maturity Evaluation of Compost from Sewage Sludge and Green Waste. <i>Waste and Biomass Valorization</i> , 2021, 12, 2639-2652.	1.8	9
9	Mid-infrared spectroscopy to trace biogeochemical changes of earthworm casts during ageing under field conditions. <i>Geoderma</i> , 2021, 383, 114811.	2.3	4
10	Carbon Mineralization Controls in Top- and Subsoil Horizons of Two Andisols Under Temperate Old-Growth Rain Forest. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 780-790.	1.7	1
11	Site-Specific Effects of Organic Amendments on Parameters of Tropical Agricultural Soil and Yield: A Field Experiment in Three Countries in Southeast Asia. <i>Agronomy</i> , 2021, 11, 348.	1.3	9
12	Biochar-Compost Interactions as Affected by Weathering: Effects on Biological Stability and Plant Growth. <i>Agronomy</i> , 2021, 11, 336.	1.3	11
13	Mid-infrared spectroscopy of earthworm bodies to investigate their species belonging and their relationship with the soil they inhabit. <i>Applied Soil Ecology</i> , 2021, 162, 103894.	2.1	1
14	Anecic earthworms generate more topsoil than they contribute to erosion “ Evidence at catchment scale in northern Vietnam. <i>Catena</i> , 2021, 201, 105186.	2.2	13
15	Closing Biogeochemical Cycles and Meeting Plant Requirements by Smart Fertilizers and Innovative Organic Amendments. <i>Agronomy</i> , 2021, 11, 1158.	1.3	3
16	Spatial heterogeneity of soil quality within a Mediterranean alley cropping agroforestry system: Comparison with a monocropping system. <i>European Journal of Soil Biology</i> , 2021, 105, 103330.	1.4	22
17	Managing Soil Organic Carbon for Mitigating Climate Change and Increasing Food Security. <i>Agronomy</i> , 2021, 11, 1553.	1.3	12
18	Effect of decomposition products produced in the presence or absence of epigeic earthworms and minerals on soil carbon stabilization. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108308.	4.2	10

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19	Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives. <i>Air, Soil and Water Research</i> , 2021, 14, 117862212110281.	1.2	53
20	Do grassland management practices affect soil lignin chemistry by changing the composition of plant-derived organic matter input?. <i>Plant and Soil</i> , 2021, 469, 443-455.	1.8	4
21	Does the Introduction of N ₂ -Fixing Trees in Forest Plantations on Tropical Soils Ameliorate Low Fertility and Enhance Carbon Sequestration via Interactions Between Biota and Nutrient Availability? Case Studies From Central Africa and South America. <i>Frontiers in Soil Science</i> , 2021, 1, .	0.8	6
22	Soil Organic Matter Stocks and Contentâ€”Critical Policy Issues?. , 2021, , 191-203.		0
23	Response to â€œThe â€œ4p1000â€•initiative: A new name should be adoptedâ€•by Baveye and White (2019). <i>Ambio</i> , 2020, 49, 363-364.	2.8	2
24	The 4p1000 initiative: Opportunities, limitations and challenges for implementing soil organic carbon sequestration as a sustainable development strategy. <i>Ambio</i> , 2020, 49, 350-360.	2.8	208
25	Temperature sensitivity of decomposition decreases with increasing soil organic matter stability. <i>Science of the Total Environment</i> , 2020, 704, 135460.	3.9	47
26	Microplastics from lagooning sludge to composts as revealed by fluorescent staining- image analysis, Raman spectroscopy and pyrolysis-GC/MS. <i>Journal of Environmental Management</i> , 2020, 275, 111249.	3.8	65
27	Management of grasslands by mowing versus grazing â€” impacts on soil organic matter quality and microbial functioning. <i>Applied Soil Ecology</i> , 2020, 156, 103701.	2.1	40
28	Research for development in the 21st century. <i>Geoderma</i> , 2020, 378, 114558.	2.3	1
29	Towards a global-scale soil climate mitigation strategy. <i>Nature Communications</i> , 2020, 11, 5427.	5.8	302
30	Paris Climate Agreement: Promoting Interdisciplinary Science and Stakeholdersâ€™ Approaches for Multi-Scale Implementation of Continental Carbon Sequestration. <i>Sustainability</i> , 2020, 12, 6715.	1.6	7
31	Silicon Modulates the Production and Composition of Phenols in Barley under Aluminum Stress. <i>Agronomy</i> , 2020, 10, 1138.	1.3	21
32	Promoting plant growth and carbon transfer to soil with organic amendments produced with mineral additives. <i>Geoderma</i> , 2020, 374, 114454.	2.3	13
33	Chemical parameters of decomposing dung in tropical forest as indicators of feeding behaviour of large herbivores: A step beyond classical stoichiometry. <i>Ecological Indicators</i> , 2020, 115, 106407.	2.6	6
34	Soil available P, soil organic carbon and aggregation as affected by long-term poultry manure application to Andisols under pastures in Southern Chile. <i>Geoderma Regional</i> , 2020, 21, e00271.	0.9	15
35	Age matters: Fate of soil organic matter during ageing of earthworm casts produced by the anecic earthworm <i>Amyntas khami</i> . <i>Soil Biology and Biochemistry</i> , 2020, 148, 107906.	4.2	17
36	How do earthworms affect organic matter decomposition in the presence of clay-sized minerals?. <i>Soil Biology and Biochemistry</i> , 2020, 143, 107730.	4.2	31

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37	Inferring the impact of earthworms on the stability of organo-mineral associations, by Rock-Eval thermal analysis and ¹³ C NMR spectroscopy. <i>Organic Geochemistry</i> , 2020, 144, 104016.	0.9	11
38	Monitoring Grassland Management Effects on Soil Organic Carbon—A Matter of Scale. <i>Agronomy</i> , 2020, 10, 2016.	1.3	11
39	Land-use perturbations in ley grassland decouple the degradation of ancient soil organic matter from the storage of newly derived carbon inputs. <i>Soil</i> , 2020, 6, 435-451.	2.2	5
40	Optimization of wheat straw co-composting for carrier material development. <i>Waste Management</i> , 2019, 98, 37-49.	3.7	26
41	Soils linked to climate change. <i>Nature</i> , 2019, 572, 442-443.	13.7	16
42	Microbial succession on decomposing root litter in a drought-prone Scots pine forest. <i>ISME Journal</i> , 2019, 13, 2346-2362.	4.4	84
43	Synergistic and Antagonistic Effects of Poultry Manure and Phosphate Rock on Soil P Availability, Ryegrass Production, and P Uptake. <i>Agronomy</i> , 2019, 9, 191.	1.3	16
44	Grassland Management Influences the Response of Soil Respiration to Drought. <i>Agronomy</i> , 2019, 9, 124.	1.3	19
45	Microbial functional diversity and carbon use feedback in soils as affected by heavy metals. <i>Environment International</i> , 2019, 125, 478-488.	4.8	135
46	Stable carbon isotopic composition of dissolved inorganic carbon (DIC) as a driving factor of aquatic plants organic matter build-up related to salinity. <i>Ecological Indicators</i> , 2019, 99, 230-239.	2.6	11
47	Fertilizer P Uptake Determined by Soil P Fractionation and Phosphatase Activity. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 166-174.	1.7	28
48	Plant—Soil Interactions Control CNP Coupling and Decoupling Processes in Agroecosystems With Perennial Vegetation. , 2019, , 3-13.		7
49	Sodium silicate and calcium silicate differentially affect silicon and aluminium uptake, antioxidant performance and phenolics metabolism of ryegrass in an acid Andisol. <i>Crop and Pasture Science</i> , 2018, 69, 205.	0.7	24
50	Composting with additives to improve organic amendments. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	159
51	Smart Fertilizers as a Strategy for Sustainable Agriculture. <i>Advances in Agronomy</i> , 2018, 147, 119-157.	2.4	158
52	Effect of in-situ aged and fresh biochar on soil hydraulic conditions and microbial C use under drought conditions. <i>Scientific Reports</i> , 2018, 8, 6852.	1.6	84
53	Advances in Molecular Approaches for Understanding Soil Organic Matter Composition, Origin, and Turnover: A Historical Overview. <i>Advances in Agronomy</i> , 2018, , 1-48.	2.4	75
54	Biochar modulates heavy metal toxicity and improves microbial carbon use efficiency in soil. <i>Science of the Total Environment</i> , 2018, 621, 148-159.	3.9	181

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55	Put more carbon in soils to meet Paris climate pledges. <i>Nature</i> , 2018, 564, 32-34.	13.7	119
56	Ley grassland under temperate climate had a legacy effect on soil organic matter quantity, biogeochemical signature and microbial activities. <i>Soil Biology and Biochemistry</i> , 2018, 122, 203-210.	4.2	30
57	“4 per 1,000” initiative will boost soil carbon for climate and food security. <i>Nature</i> , 2018, 553, 27-27.	13.7	43
58	Adding worms during composting of organic waste with red mud and fly ash reduces CO2 emissions and increases plant available nutrient contents. <i>Journal of Environmental Management</i> , 2018, 222, 207-215.	3.8	34
59	Microbial Control of Soil Carbon Turnover. , 2018, , 165-194.		7
60	Biochar alters the soil microbiome and soil function: results of next-generation amplicon sequencing across Europe. <i>GCB Bioenergy</i> , 2017, 9, 591-612.	2.5	126
61	Molecular-level understanding of malic acid retention mechanisms in ternary kaolinite-Fe(III)-malic acid systems: The importance of Fe speciation. <i>Chemical Geology</i> , 2017, 464, 69-75.	1.4	17
62	Release of dissolved phosphorus from riparian wetlands: Evidence for complex interactions among hydroclimate variability, topography and soil properties. <i>Science of the Total Environment</i> , 2017, 598, 421-431.	3.9	73
63	Size fractionation as a tool for separating charcoal of different fuel source and recalcitrance in the wildfire ash layer. <i>Science of the Total Environment</i> , 2017, 595, 461-471.	3.9	20
64	Aligning agriculture and climate policy. <i>Nature Climate Change</i> , 2017, 7, 307-309.	8.1	213
65	Biogeochemical nature of grassland soil organic matter under plant communities with two nitrogen sources. <i>Plant and Soil</i> , 2017, 415, 189-201.	1.8	13
66	A multi-technique approach to assess the fate of biochar in soil and to quantify its effect on soil organic matter composition. <i>Organic Geochemistry</i> , 2017, 112, 177-186.	0.9	29
67	Does grassland introduction into cropping cycles affect carbon dynamics through changes of allocation of soil organic matter within aggregate fractions?. <i>Science of the Total Environment</i> , 2017, 576, 251-263.	3.9	40
68	Anthropogenic charcoal-rich soils of the XIX century reveal that biochar leads to enhanced fertility and fodder quality of alpine grasslands. <i>Plant and Soil</i> , 2017, 411, 499-516.	1.8	10
69	Characterization of Biogeochemical Processes at the Microscale. , 2017, , 193-212.		6
70	Persistence in soil of <i>Miscanthus</i> biochar in laboratory and field conditions. <i>PLoS ONE</i> , 2017, 12, e0184383.	1.1	21
71	Characterization of Biogeochemical Processes at the Microscale. , 2017, , 193-212.		0
72	Fertilizer effects on phosphorus fractions and organic matter in Andisols. <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	8

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73	The effects of worms, clay and biochar on CO ₂ emissions during production and soil application of co-composts. <i>Soil</i> , 2016, 2, 673-683.	2.2	20
74	Management effects on composition and dynamics of cutin and suberin in topsoil under agricultural use. <i>European Journal of Soil Science</i> , 2016, 67, 360-373.	1.8	20
75	Retention Mechanisms of Citric Acid in Ternary Kaolinite-Fe(III)-Citrate Acid Systems Using Fe K-edge EXAFS and L3,2-edge XANES Spectroscopy. <i>Scientific Reports</i> , 2016, 6, 26127.	1.6	26
76	Chemical nature of residual phosphorus in Andisols. <i>Geoderma</i> , 2016, 271, 27-31.	2.3	39
77	Urban waste composts enhance OC and N stocks after long-term amendment but do not alter organic matter composition. <i>Agriculture, Ecosystems and Environment</i> , 2016, 223, 211-222.	2.5	33
78	Mixing of biochar with organic amendments reduces carbon removal after field exposure under tropical conditions. <i>Ecological Engineering</i> , 2016, 91, 378-380.	1.6	18
79	Co-composting solid biowastes with alkaline materials to enhance carbon stabilization and revegetation potential. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7099-7110.	2.7	21
80	How do microbial communities in top- and subsoil respond to root litter addition under field conditions?. <i>Soil Biology and Biochemistry</i> , 2016, 103, 28-38.	4.2	43
81	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , 2016, 22, 1008-1028.	4.2	605
82	Organic matter composition and the protist and nematode communities around anecic earthworm burrows. <i>Biology and Fertility of Soils</i> , 2016, 52, 91-100.	2.3	35
83	Altered soil carbon dynamics under different land-use regimes in subtropical seasonally-dry forests of central Argentina. <i>Plant and Soil</i> , 2016, 403, 375-387.	1.8	22
84	Effects of grasses and a legume grown in monoculture or mixture on soil organic matter and phosphorus forms. <i>Plant and Soil</i> , 2016, 402, 117-128.	1.8	42
85	Sorption of hydrophobic organic compounds to a diverse suite of carbonaceous materials with emphasis on biochar. <i>Chemosphere</i> , 2016, 144, 879-887.	4.2	62
86	Effect of physical weathering on the carbon sequestration potential of biochars and hydrochars in soil. <i>GCB Bioenergy</i> , 2015, 7, 488-496.	2.5	107
87	Biochar mineralization and priming effect on SOM decomposition in two European short rotation coppices. <i>GCB Bioenergy</i> , 2015, 7, 1150-1160.	2.5	66
88	Role of Nanoclays in Carbon stabilization in Andisols and Cambisols. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	3
89	A call for international soil experiment networks for studying, predicting, and managing global change impacts. <i>Soil</i> , 2015, 1, 575-582.	2.2	12
90	The impact of grassland management on biogeochemical cycles involving carbon, nitrogen and phosphorus. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	31

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91	Biogeochemical cycles and biodiversity as key drivers of ecosystem services provided by soils. <i>Soil</i> , 2015, 1, 665-685.	2.2	249
92	Nature and decomposition degree of cover crops influence pesticide sorption: Quantification and modelling. <i>Chemosphere</i> , 2015, 119, 1007-1014.	4.2	18
93	Impact of compost, vermicompost and biochar on soil fertility, maize yield and soil erosion in Northern Vietnam: A three year mesocosm experiment. <i>Science of the Total Environment</i> , 2015, 514, 147-154.	3.9	252
94	Abundance and composition of free and aggregate-occluded carbohydrates and lignin in two forest soils as affected by wildfires of different severity. <i>Geoderma</i> , 2015, 245-246, 40-51.	2.3	41
95	Effect of biochar addition on C mineralisation and soil organic matter priming in two subsoil horizons. <i>Journal of Soils and Sediments</i> , 2015, 15, 825-832.	1.5	35
96	Nanoscale evidence of contrasted processes for root-derived organic matter stabilization by mineral interactions depending on soil depth. <i>Soil Biology and Biochemistry</i> , 2015, 85, 82-88.	4.2	73
97	Methods for Studying Soil Organic Matter. , 2015, , 383-419.		18
98	Carbon Sequestration and Fertility after Centennial Time Scale Incorporation of Charcoal into Soil. <i>PLoS ONE</i> , 2014, 9, e91114.	1.1	55
99	Composition changes of eroded carbon at different spatial scales in a tropical watershed suggest enrichment of degraded material during transport. <i>Biogeosciences</i> , 2014, 11, 3299-3305.	1.3	3
100	Use of organic substrates for increasing soil organic matter quality and carbon sequestration of tropical degraded soil: a 3-year mesocosms experiment. <i>Carbon Management</i> , 2014, 5, 155-168.	1.2	21
101	Enhancing carbon sequestration for mitigation and co-benefits in agriculture: actions and novel practices. <i>Carbon Management</i> , 2014, 5, 127-129.	1.2	2
102	Opportunities and threats of deep soil organic matter storage. <i>Carbon Management</i> , 2014, 5, 115-117.	1.2	14
103	Application of thermal and spectroscopic techniques to assess fire-induced changes to soil organic matter in a Mediterranean forest. <i>Journal of Geochemical Exploration</i> , 2014, 143, 174-182.	1.5	33
104	Soil carbon storage and stabilisation in andic soils: A review. <i>Catena</i> , 2014, 120, 102-110.	2.2	125
105	Effects of drought and elevated temperature on biochemical composition of forage plants and their impact on carbon storage in grassland soil. <i>Plant and Soil</i> , 2014, 374, 767-778.	1.8	37
106	Effects of soil mineral matrix on the analysis of plant- and soil-derived polysaccharides after acid hydrolysis. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2337-2340.	0.7	0
107	Lignin decomposition along an Alpine elevation gradient in relation to physicochemical and soil microbial parameters. <i>Global Change Biology</i> , 2014, 20, 2272-2285.	4.2	26
108	Soil microbial diversity affects soil organic matter decomposition in a silty grassland soil. <i>Biogeochemistry</i> , 2013, 114, 201-212.	1.7	83

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109	Adsorption and desorption behavior of selected pesticides as influenced by decomposition of maize mulch. <i>Chemosphere</i> , 2013, 91, 1447-1455.	4.2	35
110	Organic matter stabilization in two Andisols of contrasting age under temperate rain forest. <i>Biology and Fertility of Soils</i> , 2013, 49, 681-689.	2.3	15
111	Ligno-aliphatic complexes in soils revealed by an isolation procedure: implication for lignin fate. <i>Biology and Fertility of Soils</i> , 2013, 49, 517-526.	2.3	9
112	Fingerprinting sediment sources in the outlet reservoir of a hilly cultivated catchment in Tunisia. <i>Journal of Soils and Sediments</i> , 2013, 13, 801-815.	1.5	49
113	Biological and chemical reactivity and phosphorus forms of buffalo manure compost, vermicompost and their mixture with biochar. <i>Bioresource Technology</i> , 2013, 148, 401-407.	4.8	93
114	Can biochar and hydrochar stability be assessed with chemical methods?. <i>Organic Geochemistry</i> , 2013, 60, 40-44.	0.9	36
115	Chemical evaluation of chars produced by thermochemical conversion (gasification, pyrolysis and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> <i>Bioenergy</i> , 2013, 59, 264-278.	2.9	192
116	Interactions between compost, vermicompost and earthworms influence plant growth and yield: A one-year greenhouse experiment. <i>Scientia Horticulturae</i> , 2013, 160, 148-154.	1.7	65
117	Changes in litter chemistry and soil lignin signature during decomposition and stabilisation of ¹³ C labelled wheat roots in three subsoil horizons. <i>Soil Biology and Biochemistry</i> , 2013, 67, 55-61.	4.2	20
118	The role of lignin for the ¹³ C signature in C4 grassland and C3 forest soils. <i>Soil Biology and Biochemistry</i> , 2013, 57, 1-13.	4.2	26
119	Chemical modification of biomass residues during hydrothermal carbonization – What makes the difference, temperature or feedstock?. <i>Organic Geochemistry</i> , 2013, 54, 91-100.	0.9	160
120	Organic matter stabilization and ecosystem functions: proceedings of the fourth conference on the mechanisms of organic matter stabilization and destabilization (SOM-2010, Presquâ€™île de Giens,) <i>Tj ETQq0 0 0.7rgBT /Overlock 10</i>		
121	Cutin and suberin biomarkers as tracers for the turnover of shoot and root derived organic matter along a chronosequence of Ecuadorian pasture soils. <i>European Journal of Soil Science</i> , 2012, 63, 808-819.	1.8	27
122	Evolution of soil organic matter after prescribed fire: A 20-year chronosequence. <i>Geoderma</i> , 2012, 189-190, 98-107.	2.3	43
123	Contribution of maize root derived C to soil organic carbon throughout an agricultural soil profile assessed by compound specific ¹³ C analysis. <i>Organic Geochemistry</i> , 2012, 42, 1502-1511.	0.9	21
124	Preface to the Special Issue on “Challenges and limits of stable isotopes in environmental research” <i>Organic Geochemistry</i> , 2012, 42, 1437-1439.	0.9	1
125	Black carbon contribution in volcanic soils affected by wildfire or stubble burning. <i>Organic Geochemistry</i> , 2012, 47, 41-50.	0.9	16
126	Lignin signature as a function of land abandonment and erosion in dry luvisols of SE Spain. <i>Catena</i> , 2012, 93, 78-86.	2.2	9

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127	Improving bioavailability of phosphorous from cattle dung by using phosphatase immobilized on natural clay and nanoclay. <i>Chemosphere</i> , 2012, 89, 648-655.	4.2	30
128	Carbon distribution in top- and subsoil horizons of two contrasting Andisols under pasture or forest. <i>European Journal of Soil Science</i> , 2012, 63, 616-624.	1.8	14
129	Evolution of organic matter in lignite-containing sediments revealed by analytical pyrolysis (Py-GC-MS). <i>Organic Geochemistry</i> , 2012, 53, 119-130.	0.9	19
130	Carbon Storage and Sequestration in Subsoil Horizons: Knowledge, Gaps and Potentials. , 2012, , 445-464.		41
131	Effect of ¹³ C enrichment and sugar type on analysis of sugars by gas chromatography/combustion/isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1934-1940.	0.7	2
132	Contrasting composition of free and mineral-bound organic matter in top- and subsoil horizons of Andosols. <i>Biology and Fertility of Soils</i> , 2012, 48, 401-411.	2.3	48
133	The effect of earthworms on carbon storage and soil organic matter composition in tropical soil amended with compost and vermicompost. <i>Soil Biology and Biochemistry</i> , 2012, 50, 214-220.	4.2	51
134	Carbon allocation in grassland communities under drought stress followed by ¹⁴ C pulse labeling. <i>Soil Biology and Biochemistry</i> , 2012, 55, 132-139.	4.2	116
135	How does drought stress influence the decomposition of plant litter with contrasting quality in a grassland ecosystem?. <i>Plant and Soil</i> , 2012, 352, 277-288.	1.8	134
136	Do Compost and Vermicompost Improve Macronutrient Retention and Plant Growth in Degraded Tropical Soils?. <i>Compost Science and Utilization</i> , 2011, 19, 15-24.	1.2	52
137	Drought effects on microbial biomass and enzyme activities in the rhizosphere of grasses depend on plant community composition. <i>Applied Soil Ecology</i> , 2011, 48, 38-44.	2.1	186
138	Rainfall simulation to identify the storm-scale mechanisms of gully bank retreat. <i>Agricultural Water Management</i> , 2011, 98, 1704-1710.	2.4	38
139	Nanoclays from an Andisol: Extraction, properties and carbon stabilization. <i>Geoderma</i> , 2011, 161, 159-167.	2.3	105
140	Wildfire effects on soil organic matter quantity and quality in two fire-prone Mediterranean pine forests. <i>Geoderma</i> , 2011, 167-168, 148-155.	2.3	115
141	Carbon mineralization and lignin content of eroded sediments from a grazed watershed of South-Africa. <i>Geoderma</i> , 2011, 167-168, 247-253.	2.3	17
142	How do earthworms influence organic matter quantity and quality in tropical soils?. <i>Soil Biology and Biochemistry</i> , 2011, 43, 223-230.	4.2	38
143	Can cutin and suberin biomarkers be used to trace shoot and root-derived organic matter? A molecular and isotopic approach. <i>Biogeochemistry</i> , 2011, 106, 23-38.	1.7	40
144	Deep soil organic matter – a key but poorly understood component of terrestrial C cycle. <i>Plant and Soil</i> , 2011, 338, 143-158.	1.8	1,239

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145	Decomposition and stabilization of root litter in top- and subsoil horizons: what is the difference?. <i>Plant and Soil</i> , 2011, 338, 127-141.	1.8	114
146	Transformation of buffalo manure by composting or vermicomposting to rehabilitate degraded tropical soils. <i>Ecological Engineering</i> , 2011, 37, 269-276.	1.6	55
147	Carbon storage and organic matter dynamics in grassland soils.. , 2011, , 65-72.		5
148	How does plant leaf senescence of grassland species influence decomposition kinetics and litter compounds dynamics?. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 88, 159-171.	1.1	52
149	Response of bulk chemical composition, lignin and carbohydrate signature to grassland conversion in a ley-arable cropping system. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 88, 173-182.	1.1	10
150	Molecular dynamics of shoot vs. root biomarkers in an agricultural soil estimated by natural abundance ¹³ C labelling. <i>Soil Biology and Biochemistry</i> , 2010, 42, 169-177.	4.2	96
151	Non-cellulosic neutral sugar contribution to mineral associated organic matter in top- and subsoil horizons of two acid forest soils. <i>Soil Biology and Biochemistry</i> , 2010, 42, 379-382.	4.2	89
152	Fate of lignins in soils: A review. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1200-1211.	4.2	495
153	Charcoal mineralisation potential of microbial inocula from burned and unburned forest soil with and without substrate addition. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1472-1478.	4.2	36
154	Relative importance of sorption versus aggregation for organic matter storage in subsoil horizons of two contrasting soils. <i>European Journal of Soil Science</i> , 2010, 61, 958-969.	1.8	80
155	Spatial dependance of organic carbonâ€metal relationships. <i>Geoderma</i> , 2010, 158, 120-127.	2.3	28
156	Quantitative and qualitative analysis of cutin in maize and a maize-cropped soil: Comparison of CuO oxidation, transmethylation and saponification methods. <i>Organic Geochemistry</i> , 2010, 41, 187-191.	0.9	20
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