Petra Marschner

List of Publications by Year
in descending order

251 papers	13,663 citations	20817 60 h-index	27406 106 g-index
254 all docs	254 docs citations	254 times ranked	11780 citing authors

#	Article	IF	Citations
1	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. Critical Reviews in Environmental Science and Technology, 2022, 52, 4308-4324.	12.8	52
2	Direction and magnitude of the change in water content between two periods influence soil respiration, microbial biomass and nutrient availability which can be modified by intermittent air-drying. Soil Biology and Biochemistry, 2022, 166, 108559.	8.8	4
3	Rapid remediation of sandy sulfuric subsoils using straw-derived dissolved organic matter. Geoderma, 2022, 420, 115875.	5.1	3
4	Presence of wheat straw in soil influences nutrient availability and leaching in soil mulched with high or low C/N organic materials. Archives of Agronomy and Soil Science, 2021, 67, 342-353.	2.6	8
5	Phosphorus pools in acid sulfate soil are influenced by soil water content and form in which P is added. Geoderma, 2021, 381, 114692.	5.1	8
6	Phosphorus Pools in Acid Sulfate Soil Are Influenced by pH, Water Content, and Addition of Organic Matter. Journal of Soil Science and Plant Nutrition, 2021, 21, 1066-1075.	3.4	6
7	Addition of wheat straw to acid sulfate soils with different clay contents reduces acidification in two consecutive submerged-moist cycles. Geoderma, 2021, 385, 114892.	5.1	3
8	Rewetting Intensity Influences Soil Respiration and Nitrogen Availability. Journal of Soil Science and Plant Nutrition, 2021, 21, 2137-2144.	3.4	4
9	Transformation of jarosite during simulated remediation of a sandy sulfuric soil. Science of the Total Environment, 2021, 773, 145546.	8.0	12
10	Processes in submerged soils â€“ linking redox potential, soil organic matter turnover and plants to nutrient cycling. Plant and Soil, 2021, 464, 1.	3.7	44
11	Response of Soil Respiration and Microbial Biomass to Drying and Rewetting Is Greater in Planted than in Unplanted Soil. Journal of Soil Science and Plant Nutrition, 2021, 21, 2765-2769.	3.4	1
12	Porosity and organic matter distribution in jarositic phyto tubules of sulfuric soils assessed by combined ÂµCT and NanoSIMS analysis. Geoderma, 2021, 399, 115124.	5.1	8
13	Wheat straw decomposition stage has little effect on the removal of inorganic N and P from wastewater leached through sand-straw mixes. Environmental Technology (United Kingdom), 2020, 41, 3483-3492.	2.2	0
14	Changes in phosphorus pools in the detritusphere induced by removal of P or switch of residues with low and high C/P ratio. Biology and Fertility of Soils, 2020, 56, 1-10.	4.3	12
15	Phosphorus pools in sulfuric acid sulfate soils: influence of water content, pH increase and P addition. Journal of Soils and Sediments, 2020, 20, 1446-1453.	3.0	13
16	Amendment type and Time of Addition Influence the Effect of Short-term Heating on Soil Respiration and Nutrient Availability. Journal of Soil Science and Plant Nutrition, 2020, 20, 431-438.	3.4	1
17	Rapid recovery of net ecosystem production in a semi-arid woodland after a wildfire. Agricultural and Forest Meteorology, 2020, 291, 108099.	4.8	19
18	Sandy Soil Amended with Clay Soil: Effect of Clay Soil Properties on Soil Respiration, Microbial Biomass, and Water Extractable Organic C. Journal of Soil Science and Plant Nutrition, 2020, 20, 2465-2470.	3.4	9

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19	Wheat Growth-Induced Changes in Phosphorus Pools in the Crop Residue Detritusphere Are Influenced by Residue C/P Ratio. Journal of Soil Science and Plant Nutrition, 2020, 20, 2579-2586.	3.4	4
20	Effect of Short-term Irrigation of Wastewater on Wheat Growth and Nitrogen and Phosphorus in Soil. Journal of Soil Science and Plant Nutrition, 2020, 20, 1589-1595.	3.4	3
21	Phosphorus and nitrogen in the soil interface between two plant residues differing in C/nutrient ratio: A short-term laboratory incubation study. Soil Ecology Letters, 2020, 2, 188-194.	4.5	4
22	Plant residues differing in C/N ratio in mulch and soil â€" the effect of the mulch on nutrient availability and microbial biomass is more pronounced with higher leaching amount. Soil Ecology Letters, 2020, 2, 317-326.	4.5	4
23	Soil respiration and nutrient availability after heating are influenced by salinity but not by prior drying and rewetting. Biology and Fertility of Soils, 2020, 56, 663-673.	4.3	0
24	Impact of Heating and Rewetting on Soil Respiration and Nutrient Availability Is Enhanced by Prior Growth of Plants. Journal of Soil Science and Plant Nutrition, 2020, 20, 925-932.	3.4	4
25	Threshold for labile phosphate in a sandy acid sulfate soil. Geoderma, 2020, 371, 114359.	5.1	9
26	Influence of mulch C/N ratio and decomposition stage on plant N uptake and N availability in soil with or without wheat straw. Journal of Plant Nutrition and Soil Science, 2019, 182, 879-887.	1.9	4
27	Vermicompost Influences Soil P Pools and Available Nâ€"Effect of Placement and Combination with Inorganic Fertiliser. Journal of Soil Science and Plant Nutrition, 2019, 19, 900-905.	3.4	4
28	Soil respiration and nutrient availability after short heating followed by rewetting differ between first and second heating and are influenced by the interval between heating events. Soil Biology and Biochemistry, 2019, 136, 107537.	8.8	3
29	Soil Water Availability Influences P Pools in the Detritusphere of Crop Residues with Different C/P Ratios. Journal of Soil Science and Plant Nutrition, 2019, 19, 771-779.	3.4	5
30	P Pools in Barley Detritusphere Are Influenced by N and P Addition to the Soil. Journal of Soil Science and Plant Nutrition, 2019, 19, 463-468.	3.4	2
31	Impact of a short heating event followed by rewetting on soil respiration and nutrient availability is not only due to soil drying during heating. Biology and Fertility of Soils, 2019, 55, 553-564.	4.3	6
32	P Pools After Seven-Year P Fertiliser Application Are Influenced by Wheat Straw Addition and Wheat Growth. Journal of Soil Science and Plant Nutrition, 2019, 19, 603-610.	3.4	9
33	Phosphorus Pools and Plant Uptake in Manure-Amended Soil. Journal of Soil Science and Plant Nutrition, 2019, 19, 175-186.	3.4	13
34	Consumption and alteration of different organic matter sources during remediation of a sandy sulfuric soil. Geoderma, 2019, 347, 220-232.	5.1	14
35	Plant Growth and Nutrient Uptake in Soil Amended with Mixes of Organic Materials Differing in C/N Ratio and Decomposition Stage. Journal of Soil Science and Plant Nutrition, 2019, 19, 512-523.	3.4	10
36	Nitrogen and phosphorus removal from wastewater by sand with wheat straw. Environmental Science and Pollution Research, 2019, 26, 11212-11223.	5.3	8

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37	Influence of clay clod size and number for organic carbon distribution in sandy soil with clay addition. Geoderma, 2019, 335, 123-132.	5.1	7
38	Repeated rainfall in summer induces prolonged high soil respiration in a semiâ€arid floodplain woodland. Ecohydrology, 2018, 11, e1984.	2.4	2
39	Watering Frequency and Total Water Input Influence Wheat Growth, Soil Microbial Biomass and Nutrient Availability in a Silt Loam. Communications in Soil Science and Plant Analysis, 2018, 49, 380-388.	1.4	0
40	Respiration, available N and microbial biomass N in soil amended with mixes of organic materials differing in C/N ratio and decomposition stage. Geoderma, 2018, 319, 167-174.	5.1	43
41	Species wood density and the location of planted seedlings drive earlyâ€stage seedling survival during tropical forest restoration. Journal of Applied Ecology, 2018, 55, 1009-1018.	4.0	30
42	Mixing organic amendments with high and low C/N ratio influences nutrient availability and leaching in sandy soil. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	3.4	6
43	Amendment with high and low C/N residues- Influence of rate, order and frequency. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	3.4	0
44	Assessment of the Binding of Protons, Al and Fe to Biochar at Different pH Values and Soluble Metal Concentrations. Water (Switzerland), 2018, 10, 55.	2.7	7
45	Seedling growth responses to speciesâ€, neighborhoodâ€, and landscapeâ€scale effects during tropical forest restoration. Ecosphere, 2018, 9, e02386.	2.2	15
46	Clay amount and distribution influence organic carbon content in sand with subsoil clay addition. Soil and Tillage Research, 2018, 184, 253-260.	5.6	21
47	Respiration, microbial biomass and nutrient availability are influenced by previous and current soil water content in plant residue amended soil. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	3.4	4
48	Alteration of organic matter during remediation of acid sulfate soils. Geoderma, 2018, 332, 121-134.	5.1	17
49	Soil phosphorus pools in the detritusphere of plant residues with different C/P ratioâ€”influence of drying and rewetting. Biology and Fertility of Soils, 2018, 54, 841-852.	4.3	17
50	Direct and carry-over effects of summer rainfall on ecosystem carbon uptake and water use efficiency in a semi-arid woodland. Agricultural and Forest Meteorology, 2018, 263, 15-24.	4.8	12
51	Clay Addition to Sandy Soilâ€”Influence of Clay Type and Size on Nutrient Availability in Sandy Soils Amended with Residues Differing in C/N ratio. Pedosphere, 2017, 27, 293-305.	4.0	27
52	Increases in organic carbon concentration and stock after clay addition to sands: validation of sampling methodology and effects of modification method. Soil Research, 2017, 55, 124.	1.1	11
53	Prolonged recovery of acid sulfate soils with sulfuric materials following severe drought: causes and implications. Geoderma, 2017, 308, 312-320.	5.1	29
54	Residue addition combined with rewetting of dry soil â€“ Effect of timing of residue addition on soil respiration, microbial biomass, nutrient availability and legacy effect. Geoderma, 2017, 299, 83-90.	5.1	5

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55	Soil Respiration, Microbial Biomass and Nutrient Availability in Soil After Addition of Residues with Adjusted N and P Concentrations. Pedosphere, 2017, 27, 76-85.	4.0	38
56	AVP1: One Protein, Many Roles. Trends in Plant Science, 2017, 22, 154-162.	8.8	78
57	Clay Addition to Sandy Soil Reduces Nutrient Leachingâ€"Effect of Clay Concentration and Ped Size. Communications in Soil Science and Plant Analysis, 2017, 48, 1813-1821.	1.4	37
58	Prior rainfall pattern determines response of net ecosystem carbon exchange to a large rainfall event in a semi-arid woodland. Agriculture, Ecosystems and Environment, 2017, 247, 112-119.	5.3	11
59	Soil respiration and microbial biomass in multiple drying and rewetting cycles â€“ Effect of glucose addition. Geoderma, 2017, 305, 219-227.	5.1	19
60	Prior exposure to diurnal heating influences soil respiration and N availability upon rewetting. Biology and Fertility of Soils, 2017, 53, 715-721.	4.3	4
61	Linking organic matter composition in acid sulfate soils to pH recovery after re-submerging. Geoderma, 2017, 308, 350-362.	5.1	16
62	Impact of Salinity on Respiration and Organic Matter Dynamics in Soils is More Closely Related to Osmotic Potential than to Electrical Conductivity. Pedosphere, 2017, 27, 949-956.	4.0	31
63	Previous residue addition rate and C/N ratio influence nutrient availability and respiration rate after the second residue addition. Geoderma, 2017, 285, 217-224.	5.1	22
64	Residue addition frequency influences respiration, microbial biomass and nutrient availability in soil amended with high and low C/N residue. Journal of Soil Science and Plant Nutrition, 2017, , 0-0.	3.4	1
65	Soil water content during and after plant growth influence nutrient availability and microbial biomass. Journal of Soil Science and Plant Nutrition, 2017, 17, 702-715.	3.4	25
66	Plant and microbial-induced changes in P pools in soil amended with straw and inorganic P. Journal of Soil Science and Plant Nutrition, 2017, 17, 1088-1101.	3.4	7
67	Soil amendment with high and low C/N residue -influence of low soil water content between first and second residue addition on soil respiration, microbial biomass and nutrient availability. Journal of Soil Science and Plant Nutrition, 2017, 17, 594-608.	3.4	10
68	Response of microbial activity to labile C addition in sandy soil from semi-arid woodland is influenced by vegetation patch and wildfire. Journal of Soil Science and Plant Nutrition, 2017, , 0-0.	3.4	1
69	Clay addition to sandy soil: effect of clay concentration and ped size on microbial biomass and nutrient dynamics after addition of low C/N ratio residue. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	8
70	Low soil water content during plant growth influences soil respiration and microbial biomass after plant removal and rewetting. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	3
71	Changes in P pools over three months in two soils amended with legume residues. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	1
72	Effect of residue mixtures on response of cumulative respiration to salinity. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	1

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73	Multiple additions of rapidly decomposable residue alleviate the negative impact of salinity on microbial activity. Soil Research, 2016, 54, 692.	1.1	0
74	Organic matter addition can prevent acidification during oxidation of sandy hypersulfidic and hyposulfidic material: Effect of application form, rate and C/N ratio. Geoderma, 2016, 276, 26-32.	5.1	13
75	Addition of organic material to sulfuric soil can reduce leaching of protons, iron and aluminium. Geoderma, 2016, 271, 63-70.	5.1	10
76	Organic materials retain high proportion of protons, iron and aluminium from acid sulphate soil drainage water with little subsequent release. Environmental Science and Pollution Research, 2016, 23, 23582-23592.	5.3	2
77	A wildfire event influences ecosystem carbon fluxes but not soil respiration in a semi-arid woodland. Agricultural and Forest Meteorology, 2016, 226-227, 57-66.	4.8	14
78	Soil Respiration, Microbial Biomass C and N Availability in a Sandy Soil Amended with Clay and Residue Mixtures. Pedosphere, 2016, 26, 643-651.	4.0	8
79	Legacy effect of previous residue additionâ€"influence of length of the moist period between residue additions on soil respiration, microbial biomass and nutrient availability. Biology and Fertility of Soils, 2016, 52, 1047-1057.	4.3	3
80	Nutrient availability, soil respiration and microbial biomass after the second residue addition are influenced by the C/N ratio of the first residue added, but not by drying and rewetting between residue amendments. European Journal of Soil Biology, 2016, 77, 68-76.	3.2	6
81	The Size of P Pools in Soils is Affected by Soil Properties and Compost Addition. Communications in Soil Science and Plant Analysis, 2016, 47, 1317-1328.	1.4	1
82	Type of organic carbon amendment influences pH changes in acid sulfate soils in flooded and dry conditions. Journal of Soils and Sediments, 2016, 16, 518-526.	3.0	19
83	Clay amendment to sandy soilâ€"effect of clay concentration and ped size on nutrient dynamics after residue addition. Journal of Soils and Sediments, 2016, 16, 2072-2080.	3.0	32
84	Soil respiration, microbial biomass and nutrient availability in soil amended with high and low C/N residue â€“ Influence of interval between residue additions. Soil Biology and Biochemistry, 2016, 95, 189-197.	8.8	38
85	Addition of clayey soils with high net negative acidity to sulfuric sandy soil can minimise pH changes during wet and dry periods. Geoderma, 2016, 269, 153-159.	5.1	2
86	Sorption of Water-Extractable Organic Carbon in Various Clay Subsoils: Effects of Soil Properties. Pedosphere, 2016, 26, 55-61.	4.0	6
87	Salt-affected soils, reclamation, carbon dynamics, and biochar: a review. Journal of Soils and Sediments, 2016, 16, 939-953.	3.0	254
88	Soil respiration, microbial biomass and nutrient availability in soil after repeated addition of low and high C/N plant residues. Biology and Fertility of Soils, 2016, 52, 165-176.	4.3	42
89	Addition of organic matter influences pH changes in reduced and oxidised acid sulfate soils. Geoderma, 2016, 262, 125-132.	5.1	40
90	Influence of clay concentration, residue C/N and particle size on microbial activity and nutrient availability in clay-amended sandy soil. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	1

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91	Response of respiration and nutrient availability to drying and rewetting in soil from a semi-arid woodland depends on vegetation patch and a recent wildfire. Biogeosciences, 2015, 12, 5093-5101.	3.3	12
92	Response of microbial activity and biomass to soil salinity when supplied with glucose and cellulose. Journal of Soil Science and Plant Nutrition, 2015, , 0-0.	3.4	2
93	Sulfate reduction in sulfuric material after re-flooding: Effectiveness of organic carbon addition and pH increase depends on soil properties. Journal of Hazardous Materials, 2015, 298, 138-145.	12.4	34
94	Influence of salinity and water content on soil microorganisms. International Soil and Water Conservation Research, 2015, 3, 316-323.	6.5	417
95	Residue properties influence the impact of salinity on soil respiration. Biology and Fertility of Soils, 2015, 51, 99-111.	4.3	24
96	Responses of Soil Microbial Activity and Biomass to Salinity After Repeated Additions of Plant Residues. Pedosphere, 2015, 25, 177-185.	4.0	16
97	Cumulative respiration in two drying and rewetting cycles depends on the number and distribution of moist days. Geoderma, 2015, 243-244, 168-174.	5.1	18
98	Effects of Different Rates of Ca2+Addition on Respiration and Sorption of Water-Extractable Organic C to a Vertisol Subsoil. Communications in Soil Science and Plant Analysis, 2015, 46, 185-194.	1.4	3
99	Amount of organic matter required to induce sulfate reduction in sulfuric material after re-flooding is affected by soil nitrate concentration. Journal of Environmental Management, 2015, 151, 437-442.	7.8	29
100	Binding of water-extractable organic carbon to clay subsoil: effects of clay subsoil properties. Soil Research, 2015, 53, 81.	1.1	6
101	The number of moist days determines respiration in drying and rewetting cycles. Biology and Fertility of Soils, 2015, 51, 33-41.	4.3	22
102	Soil respiration, microbial biomass and nutrient availability after the second amendment are influenced by legacy effects of prior residue addition. Soil Biology and Biochemistry, 2015, 88, 169-177.	8.8	80
103	Organic Materials Differ in Ability to Remove Protons, Iron and Aluminium from Acid Sulfate Soil Drainage Water. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	7
104	Addition of glucose increases the activity of microbes in saline soils. Soil Research, 2014, 52, 568.	1.1	3
105	Respiration and Sorption of Water-Extractable Organic Carbon as Affected by Addition of Ca2+, Isolated Clay or Clay-Rich Subsoil to Sand. Pedosphere, 2014, 24, 98-106.	4.0	10
106	Effect of mono- and divalent cations on sorption of water-extractable organic carbon and microbial activity. Biology and Fertility of Soils, 2014, 50, 727-734.	4.3	17
107	Drying and rewetting â€“ Effect of frequency of cycles and length ofÂmoist period on soil respiration and microbial biomass. European Journal of Soil Biology, 2014, 62, 132-137.	3.2	49
108	Retention and loss of water extractable carbon in soils: Effect of clay properties. Science of the Total Environment, 2014, 470-471, 400-406.	8.0	19

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109	Expression of the <scp>A</scp>rabidopsis vacuolar <scp>H</scp>⁺â€pyrophosphatase gene (<scp>AVP</scp>1) improves the shoot biomass of transgenic barley and increases grain yield in a saline field. Plant Biotechnology Journal, 2014, 12, 378-386.	8.3	147
110	Growth and Water Use Efficiency ofCapsicum annuumin a Silt Loam Soil Treated Three Years Previously With a Single Compost Application and Repeatedly Dried. International Journal of Vegetable Science, 2014, 20, 187-196.	1.3	1
111	Previous water content influences the response of soil respiration to changes in water content in non-saline and saline soils. Biology and Fertility of Soils, 2014, 50, 1129-1140.	4.3	4
112	Drying and rewetting frequency influences cumulative respiration and its distribution over time in two soils with contrasting management. Soil Biology and Biochemistry, 2014, 72, 172-179.	8.8	64
113	Changes in microbial biomass C, extractable C and available N during the early stages of decomposition of residue mixtures. Soil Research, 2014, 52, 366.	1.1	7
114	Addition of a clay subsoil to a sandy topsoil changes the response of microbial activity to drying and rewetting after residue addition â€“ a model experiment. Journal of Plant Nutrition and Soil Science, 2014, 177, 532-540.	1.9	5
115	Response of microbial activity and biomass in rhizosphere and bulk soils to increasing salinity. Plant and Soil, 2014, 381, 297-306.	3.7	22
116	Soil respiration and microbial biomass after residue addition are influenced by the extent by which water-extractable organic C was removed from the residues. European Journal of Soil Biology, 2014, 63, 28-32.	3.2	8
117	SEVERITY OF SALINITY ACCURATELY DETECTED AND CLASSIFIED ON A PADDOCK SCALE WITH HIGH RESOLUTION MULTISPECTRAL SATELLITE IMAGERY. Land Degradation and Development, 2013, 24, 375-384.	3.9	33
118	Short-term effects of application of different rates of inorganic P and residue P on soil P pools and wheat growth. Journal of Plant Nutrition and Soil Science, 2013, 176, 696-702.	1.9	14
119	Addition of a clay subsoil to a sandy top soil alters CO2 release and the interactions in residue mixtures. Science of the Total Environment, 2013, 465, 248-254.	8.0	28
120	Nutrient release from composts into the surrounding soil. Geoderma, 2013, 195-196, 42-47.	5.1	36
121	Salinity affects the response of soil microbial activity and biomass to addition of carbon and nitrogen. Soil Research, 2013, 51, 68.	1.1	32
122	Effect of exchangeable cation concentration on sorption and desorption of dissolved organic carbon in saline soils. Science of the Total Environment, 2013, 465, 226-232.	8.0	56
123	Soil salinity decreases global soil organic carbon stocks. Science of the Total Environment, 2013, 465, 267-272.	8.0	162
124	Decomposition of roots and shoots of perennial grasses and annual barleyâ€"separately or in two residue mixes. Biology and Fertility of Soils, 2013, 49, 673-680.	4.3	26
125	Organic amendments differ in their effect on microbial biomass and activity and on P pools in alkaline soils. Biology and Fertility of Soils, 2013, 49, 415-425.	4.3	56
126	Salinity reduces the ability of soil microbes to utilise cellulose. Biology and Fertility of Soils, 2013, 49, 379-386.	4.3	31

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127	Carbon mineralization in saline soils as affected by residue composition and water potential. Biology and Fertility of Soils, 2013, 49, 71-77.	4.3	42
128	Growth and rhizosphere P pools of legumeâ€“wheat rotations at low P supply. Biology and Fertility of Soils, 2013, 49, 41-49.	4.3	24
129	Impact of total water potential and varying contribution of matric and osmotic potential on carbon mineralization in saline soils. European Journal of Soil Biology, 2013, 56, 95-100.	3.2	11
130	Effects of salinity on microbial tolerance to drying and rewetting. Biogeochemistry, 2013, 112, 71-80.	3.5	64
131	Microbial activity and biomass recover rapidly after leaching of saline soils. Biology and Fertility of Soils, 2013, 49, 367-371.	4.3	43
132	Mobilisation of rock phosphate by surface application of compost. Biology and Fertility of Soils, 2013, 49, 287-294.	4.3	11
133	Respiration in a sand amended with clay â€“ Effect of residue type andÂrate. European Journal of Soil Biology, 2013, 58, 19-23.	3.2	21
134	Response of soil respiration and microbial biomass to changing EC in saline soils. Soil Biology and Biochemistry, 2013, 65, 322-328.	8.8	55
135	Changes in phosphorus pools in three soils upon addition of legume residues differing in carbon/phosphorus ratio. Soil Research, 2013, 51, 484.	1.1	24
136	Addition of a fine-textured soil to compost to reduce nutrient leaching in a sandy soil. Soil Research, 2013, 51, 232.	1.1	15
137	Microbial biomass, nutrient availability and nutrient uptake by wheat in two soils with organic amendments. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	22
138	Effect of incorporated or mulched compost on leaf nutrient concentrations and performance of Vitis vinifera cv. Merlot. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	10
139	Compost effects on microbial biomass and soil P pools as affected by particle size and soil properties. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	11
140	Sorption of dissolved organic matter in salt-affected soils: Effect of salinity, sodicity and texture. Science of the Total Environment, 2012, 435-436, 337-344.	8.0	74
141	Effects of tannery sludge application on physiological and fatty acid profiles of the soil microbial community. Applied Soil Ecology, 2012, 61, 92-99.	4.3	15
142	Effects of land use intensity on dissolved organic carbon properties and microbial community structure. European Journal of Soil Biology, 2012, 52, 67-72.	3.2	54
143	Measuring microbial biomass carbon by direct extraction â€“ Comparison with chloroform fumigation-extraction. European Journal of Soil Biology, 2012, 53, 103-106.	3.2	53
144	Simulation of Salinity Effects on Past, Present, and Future Soil Organic Carbon Stocks. Environmental Science & Technology, 2012, 46, 1624-1631.	10.0	41

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145	Grain legume pre-crops and their residues affect the growth, P uptake and size of P pools in the rhizosphere of the following wheat. Biology and Fertility of Soils, 2012, 48, 775-785.	4.3	22
146	Differential effects of composts on properties of soils with different textures. Biology and Fertility of Soils, 2012, 48, 699-707.	4.3	33
147	Nutrient Availability in Soils. , 2012, , 315-330.		122
148	Effect of Internal and External Factors on Root Growth and Development. , 2012, , 331-346.		41
149	Rhizosphere Biology. , 2012, , 369-388.		79
150	Soil pH is the main factor influencing growth and rhizosphere properties of wheat following different pre-crops. Plant and Soil, 2012, 360, 271-286.	3.7	47
151	Amending soils of different texture with six compost types: impact on soil nutrient availability, plant growth and nutrient uptake. Plant and Soil, 2012, 354, 197-209.	3.7	57
152	Potential soil P mobilisation capacityâ€“method development and comparison of rhizosphere soil from different crops. Plant and Soil, 2012, 354, 259-267.	3.7	9
153	Phosphorus pools and other soil properties in the rhizosphere of wheat and legumes growing in three soils in monoculture or as a mixture of wheat and legume. Plant and Soil, 2012, 354, 283-298.	3.7	71
154	Drying and wetting in saline and saline-sodic soilsâ€”effects on microbial activity, biomass and dissolved organic carbon. Plant and Soil, 2012, 355, 51-62.	3.7	40
155	Short-term carbon mineralization in salineâ€“sodic soils. Biology and Fertility of Soils, 2012, 48, 475-479.	4.3	14
156	Salinity and sodicity affect soil respiration and dissolved organic matter dynamics differentially in soils varying in texture. Soil Biology and Biochemistry, 2012, 45, 8-13.	8.8	158
157	Community composition and activity of microbes from saline soils and non-saline soils respond similarly to changes in salinity. Soil Biology and Biochemistry, 2012, 47, 175-178.	8.8	54
158	Changes in soil P pools during legume residue decomposition. Soil Biology and Biochemistry, 2012, 49, 70-77.	8.8	81
159	Microscale distribution and function of soil microorganisms in the interface between rhizosphere and detritusphere. Soil Biology and Biochemistry, 2012, 49, 174-183.	8.8	64
160	Addition of organic and inorganic P sources to soil â€“ Effects on P pools and microorganisms. Soil Biology and Biochemistry, 2012, 49, 106-113.	8.8	125
161	Response of microbial activity and biomass to increasing salinity depends on the final salinity, not the original salinity. Soil Biology and Biochemistry, 2012, 53, 50-55.	8.8	76
162	Growth, P uptake in grain legumes and changes in rhizosphere soil P pools. Biology and Fertility of Soils, 2012, 48, 151-159.	4.3	51

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163	Introducing a Decomposition Rate Modifier in the Rothamsted Carbon Model to Predict Soil Organic Carbon Stocks in Saline Soils. Environmental Science & Technology, 2011, 45, 6396-6403.	10.0	60
164	Microbial activity and biomass and N and P availability in a saline sandy loam amended with inorganic N and lupin residues. European Journal of Soil Biology, 2011, 47, 310-315.	3.2	21
165	Relationships between soil organic matter and the soil microbial biomass (size, functional diversity,) Tj ETQq1 1 0.784314 rgBT /Overl 49, 582.	1.1	67
166	Microbial community structure and residue chemistry during decomposition of shoots and roots of young and mature wheat (Triticum aestivum L.) in sand. European Journal of Soil Science, 2011, 62, 666-675.	3.9	27
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