

An extraction method for measuring soil microbial bion

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Citation Report

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1	Importance of microbes in peatland dynamics, restoration, and reclamation. , 0, , 281-316.		0
2	Microbial biomass measurements in forest soils: The use of the chloroform fumigation-incubation method in strongly acid soils. <i>Soil Biology and Biochemistry</i> , 1987, 19, 697-702.	4.2	452
3	Methods for Studying Soil Organisms. , 1989, , 32-48.		2
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303	Title is missing!. <i>Plant and Soil</i> , 1997, 195, 43-52.	1.8	26
304	Title is missing!. <i>Plant and Soil</i> , 1997, 197, 177-186.	1.8	63
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1199	Soil development and properties of microbial biomass succession in reclaimed post mining sites near Sokolov (Czech Republic) and near Cottbus (Germany). <i>Geoderma</i> , 2005, 129, 73-80.	2.3	123
1200	Development of soil microbial properties in topsoil layer during spontaneous succession in heaps after brown coal mining in relation to humus microstructure development. <i>Geoderma</i> , 2005, 129, 54-64.	2.3	135
1201	Effects of sulfonamide and tetracycline antibiotics on soil microbial activity and microbial biomass. <i>Chemosphere</i> , 2005, 59, 457-465.	4.2	402
1202	Pencycuron application to soils: Degradation and effect on microbiological parameters. <i>Chemosphere</i> , 2005, 60, 1513-1522.	4.2	32
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1208	Seasonal dynamics of soil microbial biomass in coastal sand dune forest. <i>Pedobiologia</i> , 2005, 49, 645-653.	0.5	67
1209	Effect of sewage sludge on microbial biomass, basal respiration, metabolic quotient and soil enzymatic activity. <i>Applied Soil Ecology</i> , 2005, 30, 65-77.	2.1	162
1210	Effects of freeze-thaw cycles on microarthropods and nutrient availability in a sub-Arctic soil. <i>Applied Soil Ecology</i> , 2005, 28, 79-93.	2.1	109
1211	Role of soil water content in the carbon and nitrogen dynamics of <i>Lumbricus terrestris</i> L. burrow soil. <i>Applied Soil Ecology</i> , 2005, 28, 15-22.	2.1	27
1212	Effect of rotation breaks and organic matter amendments on the capacity of soils to develop biological suppression towards soil organisms associated with yield decline of sugarcane. <i>Applied Soil Ecology</i> , 2005, 28, 271-282.	2.1	30
1213	Microbial transformation of organic matter in soils of montane grasslands under different management. <i>Applied Soil Ecology</i> , 2005, 28, 225-235.	2.1	30
1214	Catabolic diversity of soil microbial communities under sugarcane and other land uses estimated by Biolog and substrate-induced respiration methods. <i>Applied Soil Ecology</i> , 2005, 29, 155-164.	2.1	72

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1227	Effect of Management Practices on Seasonal Dynamics of Organic Carbon in Soils Under Bamboo Plantations. <i>Pedosphere</i> , 2006, 16, 525-531.	2.1	36
1228	Methods for evaluating human impact on soil microorganisms based on their activity, biomass, and diversity in agricultural soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 295-309.	1.1	232
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2025	Immobilization of cadmium in soils by UV-mutated <i>Bacillus subtilis</i> 38 bioaugmentation and NovoGro amendment. <i>Journal of Hazardous Materials</i> , 2009, 167, 1170-1177.	6.5	42
2026	Particle size and concentration of poly(É-caprolactone) and adipate modified starch blend on mineralization in soils with differing textures. <i>Polymer Testing</i> , 2009, 28, 680-687.	2.3	44
2027	Comparisons of ecosystem services among three conversion systems in Yancheng National Nature Reserve. <i>Ecological Engineering</i> , 2009, 35, 609-629.	1.6	34
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2878	Converting paddy fields to Lei bamboo ( <i>Phyllostachys praecox</i> ) stands affected soil nutrient concentrations, labile organic carbon pools, and organic carbon chemical compositions. <i>Plant and Soil</i> , 2013, 367, 249-261.	1.8	43
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2892	Specific response of fungal and bacterial residues to one-season tillage and repeated slurry application in a permanent grassland soil. <i>Applied Soil Ecology</i> , 2013, 72, 31-40.	2.1	16
2893	Short-term responses of selected soil properties to clearing and cropping of miombo woodlands in central Zimbabwe. <i>Soil and Tillage Research</i> , 2013, 129, 75-82.	2.6	14
2894	Short-term temperature impact on soil heterotrophic respiration in limed agricultural soil samples. <i>Biogeochemistry</i> , 2013, 112, 441-455.	1.7	11
2895	Short-term effects of forest recovery on soil carbon and nutrient availability in an experimental chestnut stand. <i>Biology and Fertility of Soils</i> , 2013, 49, 165-173.	2.3	13
2896	Soil quality response to long-term tillage and crop rotation practices. <i>Soil and Tillage Research</i> , 2013, 133, 54-64.	2.6	126
2897	Long-term intensive management effects on soil organic carbon pools and chemical composition in Moso bamboo ( <i>Phyllostachys pubescens</i> ) forests in subtropical China. <i>Forest Ecology and Management</i> , 2013, 303, 121-130.	1.4	167
2898	Application of sugar beet vinasse followed by solarization reduces the incidence of <i>Meloidogyne incognita</i> in pepper crops while improving soil quality. <i>Phytoparasitica</i> , 2013, 41, 181-191.	0.6	18
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2901	Effect of nitrogen addition on soil organic carbon in freshwater marsh of Northeast China. <i>Environmental Earth Sciences</i> , 2013, 70, 1653-1659.	1.3	12
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2904	Soil-specific response functions of organic matter mineralization to the availability of labile carbon. <i>Global Change Biology</i> , 2013, 19, 1562-1571.	4.2	147
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2912	Effects of biochars derived from different feedstocks and pyrolysis temperatures on soil physical and hydraulic properties. <i>Journal of Soils and Sediments</i> , 2013, 13, 1561-1572.	1.5	198
2913	Aerobic biodegradation of propylene glycol by soil bacteria. <i>Biodegradation</i> , 2013, 24, 603-613.	1.5	14
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2915	Influence of drying of the samples on the transformation of nitrogen and carbon compounds in mountain-meadow alpine soils. <i>Eurasian Soil Science</i> , 2013, 46, 778-787.	0.5	17
2916	Dynamics of the rhizosphere effect in soils. <i>Eurasian Soil Science</i> , 2013, 46, 676-684.	0.5	4
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2919	Ex-situ enzyme activity and bacterial community diversity through soil depth profiles in penguin and seal colonies on Vestfold Hills, East Antarctica. <i>Polar Biology</i> , 2013, 36, 1347-1361.	0.5	22
2920	Inoculating maize fields with earthworms ( <i>Aporrectodea trapezoides</i> ) and an arbuscular mycorrhizal fungus ( <i>Rhizophagus intraradices</i> ) improves mycorrhizal community structure and increases plant nutrient uptake. <i>Biology and Fertility of Soils</i> , 2013, 49, 1167-1178.	2.3	19
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2924	Early changes due to sorghum biofuel cropping systems in soil microbial communities and metabolic functioning. <i>Biology and Fertility of Soils</i> , 2013, 49, 403-413.	2.3	28
2925	Cattle impact on composition of archaeal, bacterial, and fungal communities by comparative fingerprinting of total and extracellular DNA. <i>Biology and Fertility of Soils</i> , 2013, 49, 351-361.	2.3	15
2926	Effects of biochar application on soil methane emission at different soil moisture levels. <i>Biology and Fertility of Soils</i> , 2013, 49, 119-128.	2.3	114
2927	Effect of cattle faeces with different microbial biomass content on soil properties, gaseous emissions and plant growth. <i>Biology and Fertility of Soils</i> , 2013, 49, 61-70.	2.3	36
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2930	Assessment of the ecological security of immobilized enzyme remediation process with biological indicators of soil health. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5773-5780.	2.7	11
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2932	Non-linear impacts of Eucalyptus plantation stand age on soil microbial metabolic diversity. <i>Journal of Soils and Sediments</i> , 2013, 13, 887-894.	1.5	25
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2935	Effects of super absorbent polymers on soil microbial properties and Chinese cabbage ( <i>Brassica</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.5 34	1.5	34

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2941	Remediation of lindane by <i>Jatropha curcas</i> L: Utilization of multipurpose species for rhizoremediation. <i>Biomass and Bioenergy</i> , 2013, 51, 189-193.	2.9	64
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2943	Effect of Different Vegetation Types on the Rhizosphere Soil Microbial Community Structure in the Loess Plateau of China. <i>Journal of Integrative Agriculture</i> , 2013, 12, 2103-2113.	1.7	19
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2948	Will hydrologic restoration of Mississippi River riparian wetlands improve their critical biogeochemical functions?. <i>Ecological Engineering</i> , 2013, 60, 192-198.	1.6	34
2949	Thermal response of soil microbial respiration is positively associated with labile carbon content and soil microbial activity. <i>Geoderma</i> , 2013, 193-194, 275-281.	2.3	17
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2957	Moldboard plowing effects on soil aggregation and soil organic matter quality assessed by <sup>13</sup> C CPMAS NMR and biochemical analyses. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 48-57.	2.5	38
2958	Nitrogen availability and indirect measurements of greenhouse gas emissions from aerobic and anaerobic biowaste digestates applied to agricultural soils. <i>Waste Management</i> , 2013, 33, 2641-2652.	3.7	39
2959	Influence of reduced tillage on earthworm and microbial communities under organic arable farming. <i>Pedobiologia</i> , 2013, 56, 251-260.	0.5	76
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2962	Carbon and nitrogen mineralization kinetics in soil of rice-rice system under long term application of chemical fertilizers and farmyard manure. <i>European Journal of Soil Biology</i> , 2013, 58, 113-121.	1.4	94
2963	Dynamics in leachate chemistry of Cu-Au tailings in response to biochar and woodchip amendments: a column leaching study. <i>Environmental Sciences Europe</i> , 2013, 25, .	2.6	19
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2971	Effect of Water Hyacinth ( <i>Eichhornia crassipes</i> ) Mulch on Soil Microbial Properties in Lowland Rainfed Rice-Based Agricultural System in Northeast India. <i>Agricultural Research</i> , 2013, 2, 246-257.	0.9	8

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2976	Soil microbial properties and temporal stability in degraded and restored lands of Northeast Brazil. <i>Soil Biology and Biochemistry</i> , 2013, 66, 175-181.	4.2	102
2977	Impact of cattle slurry acidification on carbon and nitrogen dynamics during storage and after soil incorporation. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 540-550.	1.1	42
2978	Review: soil biological properties as indicators of soil quality in Australian viticulture. <i>Australian Journal of Grape and Wine Research</i> , 2013, 19, n/a-n/a.	1.0	21
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2981	Evidence of a threshold in soil erodibility generating differences in vegetation development and resilience between two semiarid grasslands. <i>Journal of Arid Environments</i> , 2013, 89, 57-66.	1.2	22
2982	Water-Extractable Carbon Pools and Microbial Biomass Carbon in Sodic Water-Irrigated Soils Amended with Gypsum and Organic Manures. <i>Pedosphere</i> , 2013, 23, 88-97.	2.1	16
2983	Agronomic Potentials of Rarely Used Agroforestry Species for Smallholder Agriculture in Sub-Saharan Africa: An Exploratory Study. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 1733-1748.	0.6	17
2984	Turnover of "new" and "old" carbon in soil microbial biomass. <i>Microbiology</i> , 2013, 82, 505-516.	0.5	8
2985	Nitrogen- and sulfur-deposition-altered soil microbial community functions and enzyme activities in a boreal mixedwood forest in western Canada. <i>Canadian Journal of Forest Research</i> , 2013, 43, 777-784.	0.8	17
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2993	Field-scale manipulation of soil temperature and precipitation change soil CO <sub>2</sub> flux in a temperate agricultural ecosystem. <i>Agriculture, Ecosystems and Environment</i> , 2013, 165, 88-97.	2.5	83
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3002	DNA determinations during growth of soil microbial biomasses. <i>Soil Biology and Biochemistry</i> , 2013, 57, 487-495.	4.2	52
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3007	Sodic soil reclamation potential of <i>Jatropha curcas</i> : A long-term study. <i>Ecological Engineering</i> , 2013, 58, 434-440.	1.6	31

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3009	Response of Soil Microbial Community to a High Dose of Fresh Olive Mill Wastewater. <i>Pedosphere</i> , 2013, 23, 281-289.	2.1	9
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3012	Effects of two composts and two grasses on microbial biomass and biological activity in a salt-affected soil. <i>Ecological Engineering</i> , 2013, 60, 363-369.	1.6	55
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3017	Plant material addition affects soil nitrous oxide production differently between aerobic and oxygen-limited conditions. <i>Applied Soil Ecology</i> , 2013, 64, 91-98.	2.1	38
3018	High concentrations of single-walled carbon nanotubes lower soil enzyme activity and microbial biomass. <i>Ecotoxicology and Environmental Safety</i> , 2013, 88, 9-15.	2.9	97
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3021	Effect of warming on extracted soil carbon pools of <i>Abies faxoniana</i> forest at two elevations. <i>Forest Ecology and Management</i> , 2013, 310, 357-365.	1.4	15
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3024	Dose-dependent reactions of <i>Aporrectodea caliginosa</i> to perfluorooctanoic acid and perfluorooctanesulfonic acid in soil. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 39-43.	2.9	23
3025	Plant inter-species effects on rhizosphere priming of soil organic matter decomposition. <i>Soil Biology and Biochemistry</i> , 2013, 57, 91-99.	4.2	98



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3027	Fifty years of crop residue management have a limited impact on soil heterotrophic respiration. <i>Agricultural and Forest Meteorology</i> , 2013, 180, 102-111.	1.9	13
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3156	Conventional tillage increases soil microbial biomass and activity in the Loess Plateau, China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2013, 63, 489-496.	0.3	3
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3316	Agronomic performance, carbon storage and nitrogen utilisation of long-term organic and conventional stockless arable systems in Mediterranean area. <i>European Journal of Agronomy</i> , 2014, 52, 138-145.	1.9	33



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3317	Arbuscular mycorrhizal effects on plant water relations and soil greenhouse gas emissions under changing moisture regimes. <i>Soil Biology and Biochemistry</i> , 2014, 74, 184-192.	4.2	78
3318	Different grazing removal exclosures effects on soil C stocks among alpine ecosystems in east Qinghaiâ€™s Tibet Plateau. <i>Ecological Engineering</i> , 2014, 64, 262-268.	1.6	58
3319	Respiration and Sorption of Water-Extractable Organic Carbon as Affected by Addition of Ca <sup>2+</sup> , Isolated Clay or Clay-Rich Subsoil to Sand. <i>Pedosphere</i> , 2014, 24, 98-106.	2.1	10
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3321	Effects of biochar, cow bone, and eggshell on Pb availability to maize in contaminated soil irrigated with saline water. <i>Environmental Earth Sciences</i> , 2014, 71, 1289-1296.	1.3	88
3322	Effects of microbial inoculations on soil chemical, biochemical and microbial biomass carbon of cassava ( <i>Manihot esculenta</i> Crantz) growing Vertisols. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 239-249.	1.3	4
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3324	Colonization of <i>Alcaligenes faecalis</i> strain JBW4 in natural soils and its detoxification of endosulfan. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1407-1416.	1.7	30
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3326	The impact of mulch type on soil organic carbon and nitrogen pools in a sloping site. <i>Biology and Fertility of Soils</i> , 2014, 50, 37-44.	2.3	40
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3328	Increased inorganic nitrogen leaching from a mountain grassland ecosystem following grazing removal: a hangover of past intensive land-use?. <i>Biogeochemistry</i> , 2014, 119, 125-138.	1.7	18
3329	Did Tsunami tremor jolt microbial biomass and their activities in soils? A case study in Andaman Island, India. <i>Environmental Earth Sciences</i> , 2014, 72, 1443-1452.	1.3	2
3330	Fly Ash Addition Affects Microbial Biomass and Carbon Mineralization in Agricultural Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 160-164.	1.3	13
3331	Effect of Combined Application of Systemic Herbicides on Microbial Activities in North Bengal Alluvial Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 183-189.	1.3	3
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3333	No temperature acclimation of soil extracellular enzymes to experimental warming in an alpine grassland ecosystem on the Tibetan Plateau. <i>Biogeochemistry</i> , 2014, 117, 39-54.	1.7	73
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3348	Long-term effects of no-tillage management practice on soil organic carbon and its fractions in the northern China. <i>Geoderma</i> , 2014, 213, 379-384.	2.3	132
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3354	Plant phylodiversity enhances soil microbial productivity in facilitation-driven communities. <i>Oecologia</i> , 2014, 174, 909-920.	0.9	44
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3357	Soil carbon stocks and quality across intact and degraded alpine wetlands in Zoige, east Qinghai-Tibet Plateau. <i>Wetlands Ecology and Management</i> , 2014, 22, 427-438.	0.7	33
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3369	Small scale stratification of microbial activity parameters in Mediterranean soils under freshwater and treated wastewater irrigation. <i>Soil Biology and Biochemistry</i> , 2014, 70, 193-204.	4.2	23
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3377	A simplified rapid, low-cost and versatile DNA-based assessment of soil microbial biomass. <i>Ecological Indicators</i> , 2014, 45, 75-82.	2.6	79
3378	Soil quality recovery and crop yield enhancement by combined application of compost and wood to vegetables grown under plastic tunnels. <i>Agriculture, Ecosystems and Environment</i> , 2014, 192, 1-7.	2.5	64
3379	Effects of organic nitrification inhibitors on methane and nitrous oxide emission from tropical rice paddy. <i>Atmospheric Environment</i> , 2014, 92, 533-545.	1.9	45
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3390	Spatio-temporal dynamics of arbuscular mycorrhizal fungi associated with glomalin-related soil protein and soil enzymes in different managed semiarid steppes. <i>Mycorrhiza</i> , 2014, 24, 525-538.	1.3	34
3391	Soil nutrients and microbial biomass in three contrasting Mediterranean forests. <i>Plant and Soil</i> , 2014, 380, 57-72.	1.8	12
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3398	Soil aggregation in a semiarid soil amended with composted and non-composted sewage sludge "A field experiment. <i>Geoderma</i> , 2014, 219-220, 24-31.	2.3	47
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3403	Effect of combine application of organic manure and inorganic fertilizer on methane and nitrous oxide emissions from a tropical flooded soil planted to rice. <i>Geoderma</i> , 2014, 213, 185-192.	2.3	169
3404	Interaction of Cd-hyperaccumulator <i>Solanum nigrum</i> L. and functional endophyte <i>Pseudomonas</i> sp. Lk9 on soil heavy metals uptake. <i>Soil Biology and Biochemistry</i> , 2014, 68, 300-308.	4.2	255
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3411	Heavy metal pollution decreases microbial abundance, diversity and activity within particle-size fractions of a paddy soil. <i>FEMS Microbiology Ecology</i> , 2014, 87, 164-181.	1.3	225
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3413	Soil Organic Carbon Density in Arable and Non-Arable Lands under Varied Soil Moisture and Temperature Regimes in Cold Arid to Sub-Tropical Areas of Western Himalaya, India. <i>Arid Land Research and Management</i> , 2014, 28, 169-185.	0.6	0
3414	Estimation of microbial biomass potassium in paddy field soil. <i>Soil Science and Plant Nutrition</i> , 2014, 60, 512-519.	0.8	15
3415	Soil Microbial Activities in Beech Forests Under Natural Incubation Conditions as Affected by Global Warming. <i>Pedosphere</i> , 2014, 24, 709-721.	2.1	6
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3421	Soil aggregates and organic carbon affected by the land use change from rice paddy to vegetable field. <i>Ecological Engineering</i> , 2014, 70, 206-211.	1.6	95
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3423	Organic amendment effects on aggregate-associated organic C, microbial biomass C and glomalin in agricultural soils. <i>Catena</i> , 2014, 123, 188-194.	2.2	90
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3426	Inhibitory and side effects of acetylene (C <sub>2</sub> H <sub>2</sub> ) and sodium chlorate (NaClO <sub>3</sub> ) on gross nitrification, gross ammonification and soil-atmosphere exchange of N <sub>2</sub> O and CH <sub>4</sub> in acidic to neutral montane grassland soil. <i>European Journal of Soil Biology</i> , 2014, 65, 7-14.	1.4	15
3427	Fast green capping on coal fly ash basins through ecological engineering. <i>Ecological Engineering</i> , 2014, 73, 671-675.	1.6	36
3428	Aridity threshold in controlling ecosystem nitrogen cycling in arid and semi-arid grasslands. <i>Nature Communications</i> , 2014, 5, 4799.	5.8	254
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3436	Priming of soil organic carbon by malic acid addition is differentially affected by nutrient availability. <i>Soil Biology and Biochemistry</i> , 2014, 77, 158-169.	4.2	72
3437	The effect of nitrogen addition on soil respiration from a nitrogen-limited forest soil. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 103-110.	1.9	85
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3445	Organic matter dynamics and microbial activity during decomposition of forest floor under two native neotropical oak species in a temperate deciduous forest in Mexico. <i>Geoderma</i> , 2014, 235-236, 133-145.	2.3	52
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3447	Dynamics of soil organic carbon pools after agricultural abandonment. <i>Geoderma</i> , 2014, 235-236, 191-198.	2.3	58
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3451	Hierarchical partitioning for selection of microbial and chemical indicators of soil quality. <i>Pedobiologia</i> , 2014, 57, 293-301.	0.5	10
3452	Towards the ecological profiling of a pesticide contaminated soil site for remediation and management. <i>Ecological Engineering</i> , 2014, 71, 318-325.	1.6	23
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3729	Effects of graphene oxides on soil enzyme activity and microbial biomass. <i>Science of the Total Environment</i> , 2015, 514, 307-313.	3.9	85
3730	Experimental site and season over-control the effect of <i>Pinus halepensis</i> in microbiological properties of soils under semiarid and dry conditions. <i>Journal of Arid Environments</i> , 2015, 116, 44-52.	1.2	12

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3731	Translocation of <sup>13</sup> C-labeled leaf or root litter carbon of beech ( <i>Fagus sylvatica</i> L.) and ash ( <i>Fraxinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biochemistry, 2015, 83, 125-137.	4.2	24
3732	Sensitivity of soil organic carbon stocks and fractions to soil surface mulching in semiarid farmland. European Journal of Soil Biology, 2015, 67, 35-42.	1.4	68
3733	Aggregate size and their disruption affect <sup>14</sup> C-labeled glucose mineralization and priming effect. Applied Soil Ecology, 2015, 90, 1-10.	2.1	77
3734	Phosphatase activity in relation to key litter and soil properties in mature subtropical forests in China. Science of the Total Environment, 2015, 515-516, 83-91.	3.9	52
3735	Quantifying the impact of drought on soil-plant interactions: a seasonal analysis of biotic and abiotic controls of carbon and nutrient dynamics in high-altitudinal grasslands. Plant and Soil, 2015, 389, 59-71.	1.8	23
3736	Effects of long-term litter manipulation on soil carbon, nitrogen, and phosphorus in a temperate deciduous forest. Soil Biology and Biochemistry, 2015, 83, 12-18.	4.2	62
3737	Sand Mixing Improved Chloroform Fumigation Efficiency in the Determination of Microbial Biomass Carbon of Water-Saturated Soils. Communications in Soil Science and Plant Analysis, 2015, 46, 271-276.	0.6	1
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3739	Dynamics of CO <sub>2</sub> Emission and Biochemical Properties of a Sandy Calcareous Soil Amended with Conocarpus Waste and Biochar. Pedosphere, 2015, 25, 46-56.	2.1	42
3740	Soil Properties Under Manured <i>Tamarindus indica</i> in the Littoral Plain of South-Western Madagascar. Arid Land Research and Management, 2015, 29, 167-179.	0.6	6
3741	Interaction matters: Synergy between vermicompost and PGPR agents improves soil quality, crop quality and crop yield in the field. Applied Soil Ecology, 2015, 89, 25-34.	2.1	115
3742	Combination of nitrogen and phosphorus fertilization enhance ecosystem carbon sequestration in a nitrogen-limited temperate plantation of Northern China. Forest Ecology and Management, 2015, 341, 59-66.	1.4	35
3743	Soil microbial biomass carbon and fatty acid composition of earthworm <i>Lumbricus rubellus</i> after exposure to engineered nanoparticles. Biology and Fertility of Soils, 2015, 51, 261-269.	2.3	29
3744	Differences in responses of soil microbial properties and trifoliolate orange seedling to biochar derived from three feedstocks. Journal of Soils and Sediments, 2015, 15, 541-551.	1.5	31
3745	Impact of fluxapyroxad on the microbial community structure and functional diversity in the silty-loam soil. Journal of Integrative Agriculture, 2015, 14, 114-124.	1.7	16
3746	Clay mineral composition modifies decomposition and sequestration of organic carbon and nitrogen in fine soil fractions. Biology and Fertility of Soils, 2015, 51, 427-442.	2.3	82
3747	Linking soil microbial communities to vascular plant abundance along a climate gradient. New Phytologist, 2015, 205, 1175-1182.	3.5	119
3748	Characterisation, stability, and microbial effects of four biochars produced from crop residues. Geoderma, 2015, 239-240, 293-303.	2.3	122



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3749	Mycorrhizal effects on nutrient cycling, nutrient leaching and N <sub>2</sub> O production in experimental grassland. <i>Soil Biology and Biochemistry</i> , 2015, 80, 283-292.	4.2	130
3750	Fungi contribute more than bacteria to soil organic matter through necromass accumulation under different agricultural practices during the early pedogenesis of a Mollisol. <i>European Journal of Soil Biology</i> , 2015, 67, 51-58.	1.4	63
3751	Changes in soil biogeochemistry following disturbance by girdling and mountain pine beetles in subalpine forests. <i>Oecologia</i> , 2015, 177, 981-995.	0.9	18
3752	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
3753	Primary effects of extracellular enzyme activity and microbial community on carbon and nitrogen mineralization in estuarine and tidal wetlands. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2895-2909.	1.7	45
3754	Methane flux from paddy vegetated soil: a comparison between biogas digested liquid and chemical fertilizer. <i>Wetlands Ecology and Management</i> , 2015, 23, 139-148.	0.7	6
3755	Effects of nitrogen addition on soil microbes and their implications for soil C emission in the Gurbantunggut Desert, center of the Eurasian Continent. <i>Science of the Total Environment</i> , 2015, 515-516, 215-224.	3.9	24
3756	Negligible effect of X-ray $\mu$ -CT scanning on archaea and bacteria in an agricultural soil. <i>Soil Biology and Biochemistry</i> , 2015, 84, 21-27.	4.2	27
3757	Soil processes related to organic matter modifications following Douglas-fir mature reforestation. <i>Biology and Fertility of Soils</i> , 2015, 51, 277-287.	2.3	8
3758	Effects of intraspecific variation in rice resistance to aboveground herbivore, brown planthopper, and rice root nematodes on plant yield, labile pools of plant, and rhizosphere soil. <i>Biology and Fertility of Soils</i> , 2015, 51, 417-425.	2.3	5
3759	Phytodiversity on fly ash deposits: evaluation of naturally colonized species for sustainable phytoremediation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2776-2787.	2.7	83
3760	Effects of straw return on C <sub>2</sub> and C <sub>5</sub> non-methane hydrocarbon (NMHC) emissions from agricultural soils. <i>Atmospheric Environment</i> , 2015, 100, 210-217.	1.9	18
3761	Effects of drought stress on agriculture soil. <i>Natural Hazards</i> , 2015, 75, 1997-2011.	1.6	36
3762	Nitrous oxide and methane emissions from a vetch cropping season are changed by long-term tillage practices in a Mediterranean agroecosystem. <i>Biology and Fertility of Soils</i> , 2015, 51, 77-88.	2.3	25
3763	Persistência de inseticidas e parâmetros microbiológicos em solo sob sistemas de manejo. <i>Ciencia Rural</i> , 2015, 45, 22-28.	0.3	5
3764	Effect of heat-disturbance on microbial biomass carbon and microbial respiration in Chinese fir ( <i>Cunninghamia lanceolata</i> ) forest soils. <i>Journal of Forestry Research</i> , 2015, 26, 933-939.	1.7	7
3765	Sensitivity of Labile Soil Organic Carbon Pools to Long-Term Fertilizer, Straw and Manure Management in Rice-Wheat System. <i>Pedosphere</i> , 2015, 25, 534-545.	2.1	129
3766	Soil carbon efflux and sequestration as a function of relative availability of inorganic N pools in dry tropical agroecosystem. <i>Applied Soil Ecology</i> , 2015, 96, 1-6.	2.1	32

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3769	Supplementing chemical fertilizer with an organic component increases soil biological function and quality. <i>Applied Soil Ecology</i> , 2015, 96, 42-51.	2.1	86
3770	Effects of plant-derived dissolved organic matter (DOM) on soil CO <sub>2</sub> and N <sub>2</sub> O emissions and soil carbon and nitrogen sequestrations. <i>Applied Soil Ecology</i> , 2015, 96, 122-130.	2.1	63
3771	Effect of tea plantation age on the distribution of soil organic carbon fractions within water-stable aggregates in the hilly region of Western Sichuan, China. <i>Catena</i> , 2015, 133, 198-205.	2.2	61
3772	Changes in soil microbial community structure and enzyme activity with amendment of biochar-manure compost and pyroligneous solution in a saline soil from Central China. <i>European Journal of Soil Biology</i> , 2015, 70, 67-76.	1.4	102
3773	Using spatial ecology to examine above and belowground interactions on a reclaimed aspen stand in northern Alberta. <i>Geoderma</i> , 2015, 259-260, 12-22.	2.3	14
3774	Effects of nutrient-rich substrate and ectomycorrhizal symbiosis on spruce seedling biomass in abandoned nests of the wood ant ( <i>Formica polyctena</i> ): a laboratory experiment. <i>Geoderma</i> , 2015, 259-260, 56-61.	2.3	7
3775	Soil-nitrogen net mineralization increased after nearly six years of continuous nitrogen additions in a subtropical bamboo ecosystem. <i>Journal of Forestry Research</i> , 2015, 26, 949-956.	1.7	6
3776	Allelochemical-mediated soil microbial community in long-term monospecific Chinese fir forest plantations. <i>Applied Soil Ecology</i> , 2015, 96, 52-59.	2.1	30
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3778	Effect of long term cropping hybrid sorrel ( <i>Rumex crispus</i> x <i>Rumex tianshanicus</i> ) on soil biota. <i>Biomass and Bioenergy</i> , 2015, 78, 92-98.	2.9	4
3779	Assessing soil quality of gleyed paddy soils with different productivities in subtropical China. <i>Catena</i> , 2015, 133, 293-302.	2.2	24
3780	Application of mesotrione at different doses in an amended soil: Dissipation and effect on the soil microbial biomass and activity. <i>Science of the Total Environment</i> , 2015, 536, 31-38.	3.9	43
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3783	Soil respiration and carbon pools across a range of spruce stand ages, Eastern Tibetan Plateau. <i>Soil Science and Plant Nutrition</i> , 2015, 61, 440-449.	0.8	9
3784	Short-term changes in microbial biomass and activity in soils under black locust trees ( <i>Robinia</i> )	1.5	10

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3786	Soil organic matter fractions under different vegetation types in permafrost regions along the Qinghai-Tibet Highway, north of Kunlun Mountains, China. <i>Journal of Mountain Science</i> , 2015, 12, 1010-1024.	0.8	15
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3788	Tillage and crop residue management methods had minor effects on the stock and stabilization of topsoil carbon in a 30-year field experiment. <i>Science of the Total Environment</i> , 2015, 518-519, 337-344.	3.9	65
3789	Long-term frequent prescribed fire decreases surface soil carbon and nitrogen pools in a wet sclerophyll forest of Southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2015, 536, 39-47.	3.9	52
3790	Rhizosphere effect of three plant species of environment under periglacial conditions (Majella Massif.) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	4.2	69
3791	Response of soil enzyme activity to warming and nitrogen addition in a meadow steppe. <i>Soil Research</i> , 2015, 53, 242.	0.6	55
3792	Interactive impacts of earthworms ( <i>Eisenia fetida</i> ) and arbuscular mycorrhizal fungi ( <i>Funneliformis</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.8	19
3793	Vertical Distribution of Soil Denitrifying Communities in a Wet Sclerophyll Forest under Long-Term Repeated Burning. <i>Microbial Ecology</i> , 2015, 70, 993-1003.	1.4	21
3794	Do general spatial relationships for microbial biomass and soil enzyme activities exist in temperate grassland soils?. <i>Soil Biology and Biochemistry</i> , 2015, 88, 430-440.	4.2	47
3795	Foliar nutrient resorption constrains soil nutrient transformations under two native oak species in a temperate deciduous forest in Mexico. <i>European Journal of Forest Research</i> , 2015, 134, 803-817.	1.1	15
3796	Land use change decreases soil carbon stocks in Tibetan grasslands. <i>Plant and Soil</i> , 2015, 395, 231-241.	1.8	18
3797	Soil Enzyme Activities on Eroded Slopes in the Sichuan Basin, China. <i>Pedosphere</i> , 2015, 25, 489-500.	2.1	11
3798	Effects of liming and mineral N on initial decomposition of soil organic matter and post harvest root residues of poplar. <i>Geoderma</i> , 2015, 259-260, 243-250.	2.3	25
3799	Responses of absolute and specific soil enzyme activities to long term additions of organic and mineral fertilizer. <i>Science of the Total Environment</i> , 2015, 536, 59-67.	3.9	139
3800	Structure and function of rhizosphere and non-rhizosphere soil microbial community respond differently to elevated ozone in field-planted wheat. <i>Journal of Environmental Sciences</i> , 2015, 32, 126-134.	3.2	19
3801	Decomposition of 51 semidesert species from wide-ranging phylogeny is faster in standing and sand-buried than in surface leaf litters: implications for carbon and nutrient dynamics. <i>Plant and Soil</i> , 2015, 396, 175-187.	1.8	27
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3805	Biochar reduces the rhizosphere priming effect on soil organic carbon. <i>Soil Biology and Biochemistry</i> , 2015, 88, 372-379.	4.2	57
3806	Forest conversion stimulated deep soil C losses and decreased C recalcitrance through priming effect in subtropical China. <i>Biology and Fertility of Soils</i> , 2015, 51, 857-867.	2.3	25
3807	Consistent increase in abundance and diversity but variable change in community composition of bacteria in topsoil of rice paddy under short term biochar treatment across three sites from South China. <i>Applied Soil Ecology</i> , 2015, 91, 68-79.	2.1	133
3808	Plant nitrogen uptake drives rhizosphere bacterial community assembly during plant growth. <i>Soil Biology and Biochemistry</i> , 2015, 85, 170-182.	4.2	137
3809	Effect of temperature variation on lindane dissipation and microbial activity in soil. <i>Ecological Engineering</i> , 2015, 79, 54-59.	1.6	22
3810	Soil nitrogen pools and turnover in native woodland and managed pasture soils. <i>Soil Biology and Biochemistry</i> , 2015, 85, 63-71.	4.2	13
3811	Soil microbial functional diversity and biomass as affected by different thinning intensities in a Chinese fir plantation. <i>Applied Soil Ecology</i> , 2015, 92, 35-44.	2.1	83
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3813	The effects of forest gaps on cellulose degradation in the foliar litter of two shrub species in an alpine fir forest. <i>Plant and Soil</i> , 2015, 393, 109-122.	1.8	47
3814	Impact of plastic film mulching on increasing greenhouse gas emissions in temperate upland soil during maize cultivation. <i>Applied Soil Ecology</i> , 2015, 91, 48-57.	2.1	196
3815	Impact of carbon nanomaterials on microbial activity in soil. <i>Soil Biology and Biochemistry</i> , 2015, 86, 172-180.	4.2	46
3816	Evaluation of seasonal variability of soil biogeochemical properties in aggregate-size fractionated soil under different tillages. <i>Soil and Tillage Research</i> , 2015, 151, 39-49.	2.6	43
3817	Microbial carbon concentration in samples of seabird and non-seabird forest soil: Implications for leaf litter cycling. <i>Pedobiologia</i> , 2015, 58, 33-39.	0.5	12
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3824	The bioavailability and adverse impacts of lead and decabromodiphenyl ether on soil microbial activities. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12141-12149.	2.7	11
3825	Biological activity of the metal-rich post-flotation tailings at an abandoned mine tailings pond (four) Tj ETQq1 1 0.784314 rgBT /Overland 12174-12181.	2.7	15
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3828	Patterns of Potential Methanogenesis Along Soil Moisture Gradients Following Drying and Rewetting in Midwestern Prairie Pothole Wetlands. <i>Wetlands</i> , 2015, 35, 633-640.	0.7	8
3829	Using electrical signals of microbial fuel cells to detect copper stress on soil microorganisms. <i>European Journal of Soil Science</i> , 2015, 66, 369-377.	1.8	29
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3831	Adaptation of soil microbial community structure and function to chronic metal contamination at an abandoned Pb-Zn mine. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-11.	1.3	119
3832	Rain regime and soil type affect the C and N dynamics in soil columns that are covered with mixed-species mulches. <i>Plant and Soil</i> , 2015, 393, 319-334.	1.8	19
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3834	Parental material and cultivation determine soil bacterial community structure and fertility. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-10.	1.3	37
3835	Characterization of Plant Growth-Promoting Rhizobacteria (PGPR): A Perspective of Conventional Versus Recent Techniques. <i>Soil Biology</i> , 2015, , 471-485.	0.6	7
3836	Soil microbial biomass C:N:P stoichiometry and microbial use of organic phosphorus. <i>Soil Biology and Biochemistry</i> , 2015, 85, 119-129.	4.2	314
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3838	Changes in soil microbial community structure and activity in a cedar plantation invaded by moso bamboo. <i>Applied Soil Ecology</i> , 2015, 91, 1-7.	2.1	68
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3842	Impacts of biosolids application on soil quality under alternate year no-till corn-soybean rotation. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	12
3843	Assessment of Organic and Inorganic Fertilizers for Growth, Yield and Essential Oil Quality of Industrially Important Plant Patchouli ( <i>Pogostemon cablin</i> ) (Blanco) Benth.. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2015, 18, 1-10.	0.7	19
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3845	Distinctive effects of TiO <sub>2</sub> and CuO nanoparticles on soil microbes and their community structures in flooded paddy soil. <i>Soil Biology and Biochemistry</i> , 2015, 86, 24-33.	4.2	186
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3853	Plant diversity increases soil microbial activity and soil carbon storage. <i>Nature Communications</i> , 2015, 6, 6707.	5.8	949
3854	Soil microbial responses over 2 years following biochar addition to a north temperate forest. <i>Biology and Fertility of Soils</i> , 2015, 51, 649-659.	2.3	64
3855	Tillage Management and Seasonal Effects on Denitrifier Community Abundance, Gene Expression and Structure over Winter. <i>Microbial Ecology</i> , 2015, 70, 795-808.	1.4	50
3856	Dynamics and distribution of <sup>13</sup> C-labeled straw carbon by microorganisms as affected by soil fertility levels in the Black Soil region of Northeast China. <i>Biology and Fertility of Soils</i> , 2015, 51, 605-613.	2.3	71
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3860	Effect of irrigation on the soil respiration of constructed grasslands in Inner Mongolia, China. <i>Plant and Soil</i> , 2015, 395, 159-172.	1.8	17
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3862	Soil carbon dioxide emissions in response to precipitation frequency in the Loess Plateau, China. <i>Applied Soil Ecology</i> , 2015, 96, 288-295.	2.1	20
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3867	Priming effects of <i>Aporrectodea caliginosa</i> on young rhizodeposits and old soil organic matter following wheat straw addition. <i>European Journal of Soil Biology</i> , 2015, 70, 38-45.	1.4	13
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3889	Soil Microbial Responses to Biochars Varying in Particle Size, Surface and Pore Properties. <i>Pedosphere</i> , 2015, 25, 770-780.	2.1	95
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4024	Effect of earthworms and arbuscular mycorrhizal fungi on the microbial community and maize growth under salt stress. <i>Applied Soil Ecology</i> , 2016, 107, 214-223.	2.1	45
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4028	Soil organic matter quality and microbial activities in spruce swamp forests affected by drainage and water regime restoration. <i>Soil Use and Management</i> , 2016, 32, 200-209.	2.6	9
4029	Distinct respiratory responses of soils to complex organic substrate are governed predominantly by soil architecture and its microbial community. <i>Soil Biology and Biochemistry</i> , 2016, 103, 493-501.	4.2	17
4030	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109.	5.8	185
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4034	Differential controls on soil carbon density and mineralization among contrasting forest types in a temperate forest ecosystem. <i>Scientific Reports</i> , 2016, 6, 22411.	1.6	11
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4036	Stronger warming effects on microbial abundances in colder regions. <i>Scientific Reports</i> , 2016, 5, 18032.	1.6	88
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4053	Relationships between labile soil organic matter and nematode communities in a California oak woodland. <i>Nematology</i> , 2016, 18, 1231-1245.	0.2	20
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4069	Initial development of seedlings of macauba palm ( <i>Acrocomia aculeata</i> ). <i>Industrial Crops and Products</i> , 2016, 87, 14-19.	2.5	10
4070	An evaluation of a microbial inoculum in promoting organic C decomposition in a paddy soil following straw incorporation. <i>Journal of Soils and Sediments</i> , 2016, 16, 1776-1786.	1.5	10
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4080	Soil organic phosphorus fractions in response to long-term fertilization with composted manures under rice-wheat cropping system. <i>Journal of Plant Nutrition</i> , 2016, 39, 1336-1347.	0.9	13
4081	Phosphorus availabilities in beech ( <i>Fagus sylvatica</i> L.) forests impose habitat filtering on ectomycorrhizal communities and impact tree nutrition. <i>Soil Biology and Biochemistry</i> , 2016, 98, 127-137.	4.2	62
4082	Stoichiometry of soil extracellular enzyme activity along a climatic transect in temperate grasslands of northern China. <i>Soil Biology and Biochemistry</i> , 2016, 98, 74-84.	4.2	207
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4084	Assessing microbial activities in metal contaminated agricultural volcanic soils - An integrative approach. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 242-249.	2.9	41
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4086	Biological properties of extremely acidic cyanide-laced mining waste. <i>Ecotoxicology</i> , 2016, 25, 202-212.	1.1	16
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4099	Response of different soil organic matter pools to biochar and organic fertilizers. <i>Agriculture, Ecosystems and Environment</i> , 2016, 225, 150-159.	2.5	93
4100	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
4101	Gompertz Kinetics of Soil Microbial Biomass in Response to Lignin Reinforcing of Urea-Crosslinked Starch Films. <i>Procedia Engineering</i> , 2016, 148, 553-560.	1.2	4
4102	Impact of Compost Application during 5 Years on Crop Production, Soil Microbial Activity, Carbon Fraction, and Humification Process. <i>Communications in Soil Science and Plant Analysis</i> , 0, , .	0.6	15
4103	Maize root decomposition in subsoil horizons of two silt loams differing in soil organic C accumulation due to colluvial processes. <i>Geoderma</i> , 2016, 283, 101-109.	2.3	5
4104	Associative interplay of plant growth promoting rhizobacteria ( <i>Pseudomonas aeruginosa</i> QS40) with nitrogen fertilizers improves sunflower ( <i>Helianthus annuus</i> L.) productivity and fertility of aridisol. <i>Applied Soil Ecology</i> , 2016, 108, 238-247.	2.1	45
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4107	Varied effects of untreated textile wastewater onto soil carbon mineralization and associated biochemical properties of a dryland agricultural soil. <i>Journal of Environmental Management</i> , 2016, 183, 530-540.	3.8	18
4108	Is the fate of glucose-derived carbon more strongly driven by nutrient availability, soil texture, or microbial biomass size?. <i>Soil Biology and Biochemistry</i> , 2016, 103, 201-212.	4.2	51
4109	Effect of forest and soil type on microbial biomass carbon and respiration. <i>Eurasian Soil Science</i> , 2016, 49, 1084-1089.	0.5	4
4110	The potential for constructed wetlands to treat alkaline bauxite-residue leachate: <i>Phragmites australis</i> growth. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24305-24315.	2.7	27

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4114	Short-term response of soil microorganisms to biochar addition in a temperate agroecosystem under soil warming. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 308-317.	2.5	60
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4116	Effects of gamma irradiation on soil biological communities and C and N pools in a clay loam soil. <i>Applied Soil Ecology</i> , 2016, 108, 352-360.	2.1	12
4117	Plants modify the effects of earthworms on the soil microbial community and its activity in a subtropical ecosystem. <i>Soil Biology and Biochemistry</i> , 2016, 103, 446-451.	4.2	14
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4119	Impact of Re-wetting of Forestry-Drained Peatlands on Water Quality – a Laboratory Approach Assessing the Release of P, N, Fe, and Dissolved Organic Carbon. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	22
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4124	Dominance of either physicochemical or biological phosphorus cycling processes in temperate forest soils of contrasting phosphate availability. <i>Soil Biology and Biochemistry</i> , 2016, 101, 85-95.	4.2	62
4125	Sulphamethazine in poultry manure changes carbon and nitrogen mineralisation in soils. <i>Chemistry and Ecology</i> , 2016, 32, 899-918.	0.6	21
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4127	N fertilization decreases soil organic matter decomposition in the rhizosphere. <i>Applied Soil Ecology</i> , 2016, 108, 47-53.	2.1	112
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4130	Effect of cobalt and silver nanoparticles and ions on <i>Lumbricus rubellus</i> health and on microbial community of earthworm faeces and soil. <i>Applied Soil Ecology</i> , 2016, 108, 62-71.	2.1	22
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4134	Land-use change affects the functionality of soil microbial communities: A chronosequence approach in the Argentinian Yungas. <i>Applied Soil Ecology</i> , 2016, 108, 118-127.	2.1	27
4135	Long-term management effects on soil P, microbial biomass P, and phosphatase activities in prairie soils. <i>European Journal of Soil Biology</i> , 2016, 76, 61-69.	1.4	21
4136	Insensitivity of soil biological communities to phosphorus fertilization in intensively managed grassland systems. <i>Grass and Forage Science</i> , 2016, 71, 139-152.	1.2	17
4137	Suppressing methane emission and global warming potential from rice fields through intermittent drainage and green biomass amendment. <i>Soil Use and Management</i> , 2016, 32, 72-79.	2.6	21
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4142	Agroforestry for Ecological Restoration of Salt-Affected Lands. , 2016, , 161-182.		11
4143	Pesticide Toxicity to Microorganisms: Exposure, Toxicity and Risk Assessment Methodologies. , 2016, , 351-410.		7
4144	Removal of phosphorus in residues of legume or cereal plants determines growth of subsequently planted wheat in a high phosphorus fixing soil. <i>Biology and Fertility of Soils</i> , 2016, 52, 1085-1092.	2.3	7
4145	Effect of cover crops on microbial community structure and related enzyme activities and macronutrient availability. <i>European Journal of Soil Biology</i> , 2016, 76, 74-82.	1.4	88
4146	Response of labile organic C and N pools to plastic film removal from semiarid farmland soil. <i>Soil Use and Management</i> , 2016, 32, 535-542.	2.6	7

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4148	Combined effects of nitrogen addition and organic matter manipulation on soil respiration in a Chinese pine forest. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22701-22710.	2.7	13
4149	Carbon sequestration in fly ash dumps: Comparative assessment of three plant association. <i>Ecological Engineering</i> , 2016, 95, 198-205.	1.6	20
4150	Linking temperature sensitivity of soil CO <sub>2</sub> release to substrate, environmental, and microbial properties across alpine ecosystems. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1310-1323.	1.9	106
4151	Pesticide Toxicity to Non-target Organisms. , 2016, , .		45
4152	Effects of experimental warming on soil microbial communities in two contrasting subalpine forest ecosystems, eastern Tibetan Plateau, China. <i>Journal of Mountain Science</i> , 2016, 13, 1442-1452.	0.8	5
4153	Grassland invasibility varies with drought effects on soil functioning. <i>Journal of Ecology</i> , 2016, 104, 1250-1258.	1.9	35
4154	Characterization of soil fertility and soil biodiversity with <scp>dsDNA</scp> as a covariate in a regression estimator for mean microbial biomass <scp>C</scp>. <i>European Journal of Soil Science</i> , 2016, 67, 827-834.	1.8	11
4155	Eleven years of crop diversification alters decomposition dynamics of litter mixtures incubated with soil. <i>Ecosphere</i> , 2016, 7, e01426.	1.0	25
4156	Soil microbial responses to forest floor litter manipulation and nitrogen addition in a mixed-wood forest of northern China. <i>Scientific Reports</i> , 2016, 6, 19536.	1.6	17
4157	Soil aggregation and aggregate-associated carbon under four typical halophyte communities in an arid area. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23920-23929.	2.7	11
4158	Response of <i>Robinia pseudoacacia</i> L. rhizosphere microenvironment to Cd and Pb contamination and elevated temperature. <i>Applied Soil Ecology</i> , 2016, 108, 269-277.	2.1	26
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4160	Carbon storage in coal mine spoil by <i>Dalbergia sissoo</i> Roxb.. <i>Geoderma</i> , 2016, 284, 204-213.	2.3	30
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4272	Arbuscular mycorrhizal fungal species differ in their effect on nutrient leaching. <i>Soil Biology and Biochemistry</i> , 2016, 94, 191-199.	4.2	66
4273	Relative availability of inorganic N-pools shifts under land use change: An unexplored variable in soil carbon dynamics. <i>Ecological Indicators</i> , 2016, 64, 228-236.	2.6	50
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4286	Plant community composition and phenological stage drive soil carbon cycling along a tree-meadow ecotone. <i>Plant and Soil</i> , 2016, 401, 231-242.	1.8	8
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4303	Effects of fresh spent mushroom substrate of <i>Pleurotus ostreatus</i> on soil micromorphology in Brazil. <i>Geoderma</i> , 2016, 269, 54-60.	2.3	34
4304	Responses of peat carbon at different depths to simulated warming and oxidizing. <i>Science of the Total Environment</i> , 2016, 548-549, 429-440.	3.9	32
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4306	Pitfalls in the use of middle-infrared spectroscopy: representativeness and ranking criteria for the estimation of soil properties. <i>Geoderma</i> , 2016, 268, 165-175.	2.3	20
4307	Responses of Soil Bacterial Communities to Nitrogen Deposition and Precipitation Increment Are Closely Linked with Aboveground Community Variation. <i>Microbial Ecology</i> , 2016, 71, 974-989.	1.4	86
4308	Microbial carbon use efficiency and biomass turnover times depending on soil depth – Implications for carbon cycling. <i>Soil Biology and Biochemistry</i> , 2016, 96, 74-81.	4.2	289
4309	Fertilization practices alter microbial nutrient limitations after alleviation of carbon limitation in a Ferric Acrisol. <i>Biology and Fertility of Soils</i> , 2016, 52, 177-189.	2.3	31
4310	Sustainable viticulture: The carbon-sink function of the vineyard agro-ecosystem. <i>Agriculture, Ecosystems and Environment</i> , 2016, 223, 10-21.	2.5	73

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4312	Temperature effects on soil organic carbon, soil labile organic carbon fractions, and soil enzyme activities under long-term fertilization regimes. <i>Applied Soil Ecology</i> , 2016, 102, 36-45.	2.1	145
4313	Dark septate endophytic fungi of native plants along an altitudinal gradient in the Brazilian Atlantic forest. <i>Fungal Ecology</i> , 2016, 20, 202-210.	0.7	43
4314	Community size, activity and C:N stoichiometry of soil microorganisms following reforestation in a Karst region. <i>European Journal of Soil Biology</i> , 2016, 73, 77-83.	1.4	41
4315	Carbon and nitrogen mineralization in hierarchically structured aggregates of different size. <i>Soil and Tillage Research</i> , 2016, 160, 23-33.	2.6	80
4316	Functional and structural responses of bacterial and fungal communities from paddy fields following long-term rice cultivation. <i>Journal of Soils and Sediments</i> , 2016, 16, 1460-1471.	1.5	33
4317	Effects of Salinity and Inundation on Microbial Community Structure and Function in a Mangrove Peat Soil. <i>Wetlands</i> , 2016, 36, 361-371.	0.7	98
4318	Land use affects soil biochemical properties in Mt. Kilimanjaro region. <i>Catena</i> , 2016, 141, 22-29.	2.2	69
4319	Activity of soil enzymes in constructed wetlands treated with swine wastewater. <i>Ecological Engineering</i> , 2016, 91, 24-30.	1.6	42
4320	Long-term effects of fertilization and manuring on productivity and soil biological properties under rice ( <i>Oryza sativa</i> )â€“wheat ( <i>Triticum aestivum</i> ) sequence in Mollisols. <i>Archives of Agronomy and Soil Science</i> , 0, , 1-14.	1.3	26
4321	Holm oak ( <i>Quercus ilex</i> L.) rhizosphere affects limestone-derived soil under a multi-centennial forest. <i>Plant and Soil</i> , 2016, 400, 297-314.	1.8	26
4322	Microbial biomass, fungal and bacterial residues, and their relationships to the soil organic matter C/N/P/S ratios. <i>Geoderma</i> , 2016, 271, 115-123.	2.3	208
4323	Lasting effect of soil warming on organic matter decomposition depends on tillage practices. <i>Soil Biology and Biochemistry</i> , 2016, 95, 243-249.	4.2	41
4324	Nitrogen accumulation and partitioning in a High Arctic tundra ecosystem from extreme atmospheric N deposition events. <i>Science of the Total Environment</i> , 2016, 554-555, 303-310.	3.9	28
4325	Alteration of the soil bacterial community during parent material maturation driven by different fertilization treatments. <i>Soil Biology and Biochemistry</i> , 2016, 96, 207-215.	4.2	66
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4327	Persistence of the herbicides florasulam and halauxifen-methyl in alluvial and saline alluvial soils, and their effects on microbial indicators of soil quality. <i>European Journal of Soil Biology</i> , 2016, 73, 93-99.	1.4	19
4328	Swine manure and quicklime have different impacts on chemical properties and composition of bacterial communities of an acidic soil. <i>Applied Soil Ecology</i> , 2016, 100, 38-44.	2.1	43



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4330	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
4331	Long-term atmospheric CO <sub>2</sub> enrichment impact on soil biophysical properties and root nodule biophysics in chickpea ( <i>Cicer arietinum</i> L.). <i>European Journal of Agronomy</i> , 2016, 75, 1-11.	1.9	8
4332	Nitrogen uptake efficiency of maize in monoculture and intercropped with <i>Brachiaria humidicola</i> and <i>Panicum maximum</i> in a dystrophic Red-Yellow Latosol of the Brazilian Cerrado. <i>Crop and Pasture Science</i> , 2016, 67, 47.	0.7	10
4333	Priming effect of maize residue and urea N on soil organic matter changes with time. <i>Applied Soil Ecology</i> , 2016, 100, 65-74.	2.1	68
4334	Effects of the allelochemical coumarin on plants and soil microbial community. <i>Soil Biology and Biochemistry</i> , 2016, 95, 30-39.	4.2	52
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4336	Plant growth promoting bacteria confer salt tolerance in <i>Vigna radiata</i> by up-regulating antioxidant defense and biological soil fertility. <i>Plant Growth Regulation</i> , 2016, 80, 23-36.	1.8	202
4337	Mediation of soil C decomposition by arbuscular mycorrhizal fungi in grass rhizospheres under elevated CO <sub>2</sub> . <i>Biogeochemistry</i> , 2016, 127, 45-55.	1.7	24
4338	Effects of various organic amendments on organic carbon pools and water stable aggregates under a scented riceâ€“potatoâ€“onion cropping system. <i>Paddy and Water Environment</i> , 2016, 14, 481-489.	1.0	27
4339	Carbon transfer from maize roots and litter into bacteria and fungi depends on soil depth and time. <i>Soil Biology and Biochemistry</i> , 2016, 93, 79-89.	4.2	67
4340	Prolonged acid rain facilitates soil organic carbon accumulation in a mature forest in Southern China. <i>Science of the Total Environment</i> , 2016, 544, 94-102.	3.9	55
4341	Response of soil microorganisms after converting a saline desert to arable land in central Asia. <i>Applied Soil Ecology</i> , 2016, 98, 1-7.	2.1	20
4342	Elucidation of rice rhizosphere metagenome in relation to methane and nitrogen metabolism under elevated carbon dioxide and temperature using whole genome metagenomic approach. <i>Science of the Total Environment</i> , 2016, 542, 886-898.	3.9	73
4343	The microbial ATP concentration in aerobic and anaerobic Chinese soils. <i>Soil Biology and Biochemistry</i> , 2016, 92, 38-40.	4.2	16
4344	Field evaluation of the effectiveness of three industrial by-products as organic amendments for phytostabilization of a Pb/Zn mine tailings. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 95-103.	1.7	11
4345	Coal mining practices reduce the microbial biomass, richness and diversity of soil. <i>Applied Soil Ecology</i> , 2016, 98, 195-203.	2.1	130
4346	Direct incorporation of fatty acids into microbial phospholipids in soils: Position-specific labeling tells the story. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 174, 211-221.	1.6	49

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4348	Substrate quality affects kinetics and catalytic efficiency of exo-enzymes in rhizosphere and detritosphere. <i>Soil Biology and Biochemistry</i> , 2016, 92, 111-118.	4.2	90
4349	Seasonal microbial and nutrient responses during a 5-year reduction in the daily temperature range of soil in a Chihuahuan Desert ecosystem. <i>Oecologia</i> , 2016, 180, 265-277.	0.9	13
4350	Effects of nitrogen addition on litter decomposition and nutrient release in two tropical plantations with N <sub>2</sub> -fixing vs. non-N <sub>2</sub> -fixing tree species. <i>Plant and Soil</i> , 2016, 399, 61-74.	1.8	47
4351	Soil respiration, microbial biomass and nutrient availability in soil after repeated addition of low and high C/N plant residues. <i>Biology and Fertility of Soils</i> , 2016, 52, 165-176.	2.3	42
4352	Combinational effects of sulfomethoxazole and copper on soil microbial community and function. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4235-4241.	2.7	27
4353	Soil microbial community and its interaction with soil carbon and nitrogen dynamics following afforestation in central China. <i>Science of the Total Environment</i> , 2016, 541, 230-237.	3.9	208
4354	Effects of pasture management on soil fertility and microbial communities in the semi-arid grasslands of Inner Mongolia. <i>Journal of Soils and Sediments</i> , 2016, 16, 235-242.	1.5	21
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4356	Biochar from pruning residues as a soil amendment: Effects of pyrolysis temperature and particle size. <i>Soil and Tillage Research</i> , 2016, 164, 3-10.	2.6	76
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4358	Changes of soil ecological stoichiometric ratios under different land uses in a small catchment of subtropical China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016, 66, 67-74.	0.3	2
4359	Asynchronous responses of soil carbon dioxide, nitrous oxide emissions and net nitrogen mineralization to enhanced fine root input. <i>Soil Biology and Biochemistry</i> , 2016, 92, 67-78.	4.2	21
4360	Dynamics of soil labile organic carbon fractions and C-cycle enzyme activities under straw mulch in Chengdu Plain. <i>Soil and Tillage Research</i> , 2016, 155, 289-297.	2.6	124
4361	Diversity of Arbuscular Mycorrhizal Fungi in a Brazilian Atlantic Forest Toposequence. <i>Microbial Ecology</i> , 2016, 71, 164-177.	1.4	67
4362	High throughput sequencing analysis of the joint effects of BDE209-Pb on soil bacterial community structure. <i>Journal of Hazardous Materials</i> , 2016, 301, 1-7.	6.5	89
4363	Experimental soil warming and cooling alters the partitioning of recent assimilates: evidence from a <sup>14</sup> C-labelling study at the alpine treeline. <i>Oecologia</i> , 2016, 181, 25-37.	0.9	14
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4366	Response of soil microbial community and diversity to increasing water salinity and nitrogen fertilization rate in an arid soil. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016, 66, 117-126.	0.3	12
4367	Small but active " pool size does not matter for carbon incorporation in below-ground food webs. <i>Functional Ecology</i> , 2016, 30, 479-489.	1.7	91
4368	Efficient irrigation management can contribute to reduce soil CO <sub>2</sub> emissions in agriculture. <i>Geoderma</i> , 2016, 263, 70-77.	2.3	42
4369	Tree species identity influences the vertical distribution of labile and recalcitrant carbon in a temperate deciduous forest soil. <i>Forest Ecology and Management</i> , 2016, 359, 352-360.	1.4	33
4370	Seasonal variations in labile soil organic matter fractions in permafrost soils with different vegetation types in the central Qinghai-Tibet Plateau. <i>Catena</i> , 2016, 137, 670-678.	2.2	60
4371	Biochar and Crop Residue Amendments on Soil Microbial and Biochemical Properties. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017, 87, 975-983.	0.4	5
4372	Comparison of Metagenomic DNA Extraction Methods for Soil Sediments of High Elevation Puga Hot Spring in Ladakh, India to Explore Bacterial Diversity. <i>Geomicrobiology Journal</i> , 2017, 34, 289-299.	1.0	17
4373	Effects of biochar and polyacrylamide on decomposition of soil organic matter and <sup>14</sup> C-labeled alfalfa residues. <i>Journal of Soils and Sediments</i> , 2017, 17, 611-620.	1.5	14
4374	Taxon-specific responses of soil microbial communities to different soil priming effects induced by addition of plant residues and their biochars. <i>Journal of Soils and Sediments</i> , 2017, 17, 674-684.	1.5	52
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4377	Effect of biochar addition on short-term N <sub>2</sub> O and CO <sub>2</sub> emissions during repeated drying and wetting of an anthropogenic alluvial soil. <i>Environmental Geochemistry and Health</i> , 2017, 39, 635-647.	1.8	20
4378	The effect of sewage sludge biochar on peat-based growing media. <i>Biological Agriculture and Horticulture</i> , 2017, 33, 40-51.	0.5	77
4379	Long-term effect of plastic film mulching and fertilization on bacterial communities in a brown soil revealed by high through-put sequencing. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 230-241.	1.3	71
4380	High-Value Crops™ Imbedded Intensive Cropping Systems for Enhanced Productivity, Resource-Use-Efficiency, Energetics and Soil-Health in Indo-Gangetic Plains. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017, 87, 1073-1090.	0.4	10
4381	Decrease of soil organic matter stabilization with increasing inputs: Mechanisms and controls. <i>Geoderma</i> , 2017, 304, 76-82.	2.3	137
4382	Temporal responses of soil biological characteristics to organic inputs and mineral fertilizers under wheat cultivation in inceptisol. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 35-47.	1.3	11

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4386	Alpine meadow restorations by non-dominant species increased soil nitrogen transformation rates but decreased their sensitivity to warming. <i>Journal of Soils and Sediments</i> , 2017, 17, 2329-2337.	1.5	21
4387	Vineyard Compost Supplemented with <i>Trichoderma Harzianum</i> T78 Improve Saline Soil Quality. <i>Land Degradation and Development</i> , 2017, 28, 1028-1037.	1.8	55
4388	Litter microbial and soil faunal communities stimulated in the wake of a volcanic eruption in a semi-arid woodland in Patagonia, Argentina. <i>Functional Ecology</i> , 2017, 31, 245-259.	1.7	23
4389	Contrasting effects of EDTA applications on the fluxes of methane and nitrous oxide emissions from straw-treated rice paddy soils. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 278-283.	1.7	9
4390	Soil N <sub>2</sub> O fluxes in integrated production systems, continuous pasture and Cerrado. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 108, 69-83.	1.1	23
4391	Responses of soil biota and nitrogen availability to an invasive plant under aboveground herbivory. <i>Plant and Soil</i> , 2017, 415, 479-491.	1.8	11
4392	Soil bacterial communities and ecosystem functioning change more strongly with season than habitat in a restored floodplain. <i>Applied Soil Ecology</i> , 2017, 112, 71-78.	2.1	26
4393	Soil microbial indicators across land use types in the river oasis Bulgan sum center, Western Mongolia. <i>Ecological Indicators</i> , 2017, 76, 111-118.	2.6	20
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4395	Effects of Inorganic and Organic Fertilizers on Soil CO <sub>2</sub> Efflux and Labile Organic Carbon Pools in an Intensively Managed Moso Bamboo ( <i>Phyllostachys pubescens</i> ) Plantation in Subtropical China. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 332-344.	0.6	19
4396	Soil microbial biomass and metabolic quotient across a gradient of the duration of annually cyclic drainage of hillslope riparian zone in the three gorges reservoir area. <i>Ecological Engineering</i> , 2017, 99, 366-373.	1.6	15
4397	Organic amendments as phosphorus fertilisers: Chemical analyses, biological processes and plant P uptake. <i>Soil Biology and Biochemistry</i> , 2017, 107, 50-59.	4.2	46
4398	Effect of fire disturbance on active organic carbon of <i>Larix gmelinii</i> forest soil in Northeastern China. <i>Journal of Forestry Research</i> , 2017, 28, 763-774.	1.7	2
4399	Influence of 15N-labeled ammonium sulfate and straw on nitrogen retention and supply in different fertility soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 303-313.	2.3	45
4400	Effects of the ants <i>Formica sanguinea</i> , <i>Lasius niger</i> , and <i>Tetramorium cf. caespitum</i> on soil properties in an ore-washery sedimentation basin. <i>Journal of Soils and Sediments</i> , 2017, 17, 2127-2135.	1.5	6

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4401	Distribution of microbial biomass and activity within soil aggregates as affected by tea plantation age. <i>Catena</i> , 2017, 153, 1-8.	2.2	52
4402	Effect of land use and management practices on microbial biomass and enzyme activities in subtropical top-and sub-soils. <i>Applied Soil Ecology</i> , 2017, 113, 22-28.	2.1	96
4403	A practical soil management to improve soil quality by applying mineral organic fertilizer. <i>Acta Geochimica</i> , 2017, 36, 198-204.	0.7	31
4404	Root exudation patterns in a beech forest: Dependence on soil depth, root morphology, and environment. <i>Soil Biology and Biochemistry</i> , 2017, 107, 188-197.	4.2	83
4405	Microbial decomposition of soil organic matter is mediated by quality and quantity of crop residues: mechanisms and thresholds. <i>Biology and Fertility of Soils</i> , 2017, 53, 287-301.	2.3	182
4406	Initial biochar effects on plant productivity derive from N fertilization. <i>Plant and Soil</i> , 2017, 415, 435-448.	1.8	22
4407	Riparian land uses affect the dry season soil CO <sub>2</sub> efflux under dry tropical ecosystems. <i>Ecological Engineering</i> , 2017, 100, 291-300.	1.6	23
4408	Establishment of critical limits of indicators and indices of soil quality in rice-rice cropping systems under different soil orders. <i>Geoderma</i> , 2017, 292, 34-48.	2.3	160
4409	Changes in ecosystem carbon pool and soil CO <sub>2</sub> flux following post-mine reclamation in dry tropical environment, India. <i>Science of the Total Environment</i> , 2017, 583, 153-162.	3.9	79
4410	Plant residue and native organic matter decomposition under subsoil-specific gas conditions "Comparing topsoils with C-poor and C-rich subsoils. <i>Geoderma</i> , 2017, 292, 1-8.	2.3	5
4411	Key sources and seasonal dynamics of greenhouse gas fluxes from yak grazing systems on the Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , 2017, 7, 40857.	1.6	27
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4413	Effects of the consecutive cultivation and periodic residue incorporation of <i>Bacillus thuringiensis</i> (Bt) cotton on soil microbe-mediated enzymatic properties. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 154-160.	2.5	12
4414	Effect of chemical amendments on remediation of potentially toxic trace elements (PTEs) and soil quality improvement in paddy fields. <i>Environmental Geochemistry and Health</i> , 2017, 39, 345-352.	1.8	13
4415	Phosphatase activities in sediments of subtropical lakes with different trophic states. <i>Hydrobiologia</i> , 2017, 788, 305-318.	1.0	9
4416	Effect of agricultural management on N <sub>2</sub> O emissions in the Brazilian sugarcane yield. <i>Soil Biology and Biochemistry</i> , 2017, 109, 205-213.	4.2	33
4417	Effects of <i>Faidherbia albida</i> canopy and leaf litter on soil microbial communities and nitrogen mineralization in selected Zambian soils. <i>Agroforestry Systems</i> , 2018, 92, 349.	0.9	9
4418	Effects of straw and biochar amendments on aggregate stability, soil organic carbon, and enzyme activities in the Loess Plateau, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10108-10120.	2.7	121

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4420	Application of Landfill Leachate Improves Wheat Nutrition and Yield but Has Minor Effects on Soil Properties. <i>Journal of Environmental Quality</i> , 2017, 46, 153-159.	1.0	6
4421	Dynamics of soil labile carbon and nitrogen pools in riparian zone of Wyaralong Dam in Southeast Queensland, Australia. <i>Journal of Soils and Sediments</i> , 2017, 17, 1030-1044.	1.5	7
4422	Patterns of nitrogen and citric acid induced changes in C-turnover and enzyme activities are different in topsoil and subsoils of a sandy Cambisol. <i>Geoderma</i> , 2017, 292, 111-117.	2.3	27
4423	Nitrogen deposition cancels out exotic earthworm effects on plant-feeding nematode communities. <i>Journal of Animal Ecology</i> , 2017, 86, 708-717.	1.3	49
4424	Effects of land use on soil microbial biomass, activity and community structure at different soil depths in the Danube floodplain. <i>European Journal of Soil Biology</i> , 2017, 79, 14-20.	1.4	118
4425	Soil carbon sequestration potential in semi-arid grasslands in the Conservation Reserve Program. <i>Geoderma</i> , 2017, 294, 80-90.	2.3	51
4426	Effects of nutrient load on microbial activities within a seagrass-dominated ecosystem: Implications of changes in seagrass blue carbon. <i>Marine Pollution Bulletin</i> , 2017, 117, 214-221.	2.3	33
4427	Effects of salvage logging on soil properties and vegetation recovery in a fire-affected Mediterranean forest: A two year monitoring research. <i>Science of the Total Environment</i> , 2017, 586, 1057-1065.	3.9	64
4428	Increased Electron-Accepting and Decreased Electron-Donating Capacities of Soil Humic Substances in Response to Increasing Temperature. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3176-3186.	4.6	81
4429	Degradation of <i>Miscanthus</i> <i>giganteus</i> biochar, hydrochar and feedstock under the influence of disturbance events. <i>Applied Soil Ecology</i> , 2017, 113, 135-150.	2.1	8
4430	Relationship between soil clay mineralogy and carbon protection capacity as influenced by temperature and moisture. <i>Soil Biology and Biochemistry</i> , 2017, 109, 95-106.	4.2	66
4431	Soil aggregate mediates the impacts of land uses on organic carbon, total nitrogen, and microbial activity in a Karst ecosystem. <i>Scientific Reports</i> , 2017, 7, 41402.	1.6	56
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4433	Temperature sensitivity of substrate-use efficiency can result from altered microbial physiology without change to community composition. <i>Soil Biology and Biochemistry</i> , 2017, 109, 59-69.	4.2	44
4434	The influence of tree species on small scale spatial heterogeneity of soil respiration in a temperate mixed forest. <i>Science of the Total Environment</i> , 2017, 590-591, 242-248.	3.9	26
4435	The Automated Root Exudate System (<scp>ARES</scp>): a method to apply solutes at regular intervals to soils in the field. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1042-1050.	2.2	8
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4438	Influence of elevated soil temperature and biochar application on organic matter associated with aggregate-size and density fractions in an arable soil. <i>Agriculture, Ecosystems and Environment</i> , 2017, 241, 79-87.	2.5	45
4439	Diversified cropping systems support greater microbial cycling and retention of carbon and nitrogen. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 66-76.	2.5	67
4440	Influence of straw incorporation with and without straw decomposer on soil bacterial community structure and function in a rice-wheat cropping system. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4761-4773.	1.7	70
4441	Biological indicators of soil quality in a long-term rice-wheat system on the Indo-Gangetic plain: combined effect of tillage-water-nutrient management. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	21
4442	Through the Eye of the Needle – The Story of the Soil Microbial Biomass. , 2017, , 1-40.		6
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4444	Release of phosphorus from soil bacterial and fungal biomass following drying/rewetting. <i>Soil Biology and Biochemistry</i> , 2017, 110, 1-7.	4.2	35
4445	Labile carbon and nitrogen additions affect soil organic matter decomposition more strongly than temperature. <i>Applied Soil Ecology</i> , 2017, 114, 152-160.	2.1	50
4446	Soil microbial community responses to long-term land use intensification in subtropical grazing lands. <i>Geoderma</i> , 2017, 293, 73-81.	2.3	32
4447	Soil priming effects following substrates addition to biochar-treated soils after 431 days of pre-incubation. <i>Biology and Fertility of Soils</i> , 2017, 53, 315-326.	2.3	36
4448	Comparison of conventional and conservation rice-wheat systems in Punjab, Pakistan. <i>Soil and Tillage Research</i> , 2017, 169, 35-43.	2.6	45
4449	Mitigating Negative Microbial Effects of p-Nitrophenol, Phenol, Copper and Cadmium in a Sandy Loam Soil Using Biochar. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	8
4450	Wildfire impact: Natural experiment reveals differential short-term changes in soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2017, 109, 1-13.	4.2	68
4451	How interacting fungal species and mineral nitrogen inputs affect transfer of nitrogen from litter via arbuscular mycorrhizal mycelium. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9791-9801.	2.7	13
4452	Clay Addition to Sandy Soil – Influence of Clay Type and Size on Nutrient Availability in Sandy Soils Amended with Residues Differing in C/N ratio. <i>Pedosphere</i> , 2017, 27, 293-305.	2.1	27
4453	Changes in soil microbial response across year following a wildfire in tropical dry forest. <i>Forest Ecology and Management</i> , 2017, 391, 458-468.	1.4	25
4454	Changes in soil bacterial communities in an evergreen broad-leaved forest in east China following 4 years of nitrogen addition. <i>Journal of Soils and Sediments</i> , 2017, 17, 2156-2164.	1.5	32

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4455	Influence of soil properties and burial depth on Persian oak ( <i>Quercus brantii</i> Lindl.) establishment in different microhabitats resulting from traditional forest practices. <i>European Journal of Forest Research</i> , 2017, 136, 287-305.	1.1	23
4456	Corn-cob-derived biochar decelerates mineralization of native and added organic matter (AOM) in organic matter depleted alkaline soil. <i>Geoderma</i> , 2017, 294, 19-28.	2.3	37
4457	Native soil organic matter conditions the response of microbial communities to organic inputs with different stability. <i>Geoderma</i> , 2017, 295, 1-9.	2.3	45
4458	Carbon and nitrogen fractions and stocks under 41 years of chemical and organic fertilization in a sub-humid tropical rice soil. <i>Soil and Tillage Research</i> , 2017, 170, 136-146.	2.6	70
4459	Near-infrared spectroscopy for determination of soil organic C, microbial biomass C and C and N fractions in a heterogeneous sample of German arable surface soils. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1499-1509.	1.3	5
4460	Effect of biological soil crusts on microbial activity in soils of the Tengger Desert (China). <i>Journal of Arid Environments</i> , 2017, 144, 201-211.	1.2	25
4461	Effect of grazing intensity on protozoan community, microbial biomass, and enzyme activity in an alpine meadow on the Tibetan Plateau. <i>Journal of Soils and Sediments</i> , 2017, 17, 2752-2762.	1.5	18
4462	Rice husk biochar impacts soil phosphorous availability, phosphatase activities and bacterial community characteristics in three different soil types. <i>Applied Soil Ecology</i> , 2017, 116, 12-22.	2.1	151
4463	Effect of experimental warming on soil respiration under conventional tillage and no-tillage farmland in the North China Plain. <i>Journal of Integrative Agriculture</i> , 2017, 16, 967-979.	1.7	12
4464	Crop establishment and nitrogen management affect greenhouse gas emission and biological activity in tropical rice production. <i>Ecological Engineering</i> , 2017, 104, 80-98.	1.6	28
4465	Microbial energy and matter transformation in agricultural soils. <i>Soil Biology and Biochemistry</i> , 2017, 111, 176-192.	4.2	61
4466	Contrasting effect of elevated atmospheric CO <sub>2</sub> on the C/N ratio of faba bean and spring wheat residues exert only minor changes in the abundance and enzyme activities of soil proteolytic bacteria. <i>Pedobiologia</i> , 2017, 62, 9-15.	0.5	5
4467	Nitrogen addition alters ectomycorrhizal fungal communities and soil enzyme activities in a tropical montane forest. <i>Fungal Ecology</i> , 2017, 27, 14-23.	0.7	78
4468	Organic carbon pools and soil biological fertility are affected by land use intensity in Mediterranean ecosystems of Sardinia, Italy. <i>Science of the Total Environment</i> , 2017, 599-600, 789-796.	3.9	54
4469	Soil carbon loss regulated by drought intensity and available substrate: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2017, 112, 90-99.	4.2	130
4470	Changes in soil organic carbon and its active fractions in different desertification stages of alpine-cold grassland in the eastern Qinghai-Tibet Plateau. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	13
4471	Nitrogen availability alters rhizosphere processes mediating soil organic matter mineralisation. <i>Plant and Soil</i> , 2017, 417, 499-510.	1.8	41
4472	The interacting roles of climate, soils, and plant production on soil microbial communities at a continental scale. <i>Ecology</i> , 2017, 98, 1957-1967.	1.5	83



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4473	Fate of Fenhexamid in Water-Sediment Systems: Degradation Under Aerobic/Anaerobic Conditions and Bioaccumulation by Zebrafish ( <i>Danio rerio</i> ). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	0
4474	Ground bryophytes regulate net soil carbon efflux: evidence from two subalpine ecosystems on the east edge of the Tibet Plateau. <i>Plant and Soil</i> , 2017, 417, 363-375.	1.8	18
4475	The short-term effects of liming on organic carbon mineralisation in two acidic soils as affected by different rates and application depths of lime. <i>Biology and Fertility of Soils</i> , 2017, 53, 431-443.	2.3	49
4476	Influence of land use and tillage depth on dynamics of soil microbial properties, soil carbon fractions and crop yield after conversion of short-rotation coppices. <i>Soil Use and Management</i> , 2017, 33, 379-388.	2.6	8
4477	Effect of Mixing Pine Needles Litters on Soil Biological Properties and Phosphorus Availability in Soil Amended with Fertilizers and Manures. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1052-1058.	0.6	3
4478	Assessment of N <sub>2</sub> O emissions from a fertilised vegetable cropping soil under different plant residue management strategies using <sup>15</sup> N tracing techniques. <i>Science of the Total Environment</i> , 2017, 598, 479-487.	3.9	34
4479	Biological Indicators for Soil Health: Potential for Development and Use of On-Farm Tests. , 2017, , 123-134.		5
4480	Organic matter dynamics, soil aggregation and microbial biomass and activity in Technosols created with metalliferous mine residues, biochar and marble waste. <i>Geoderma</i> , 2017, 301, 19-29.	2.3	54
4481	Microbial biomass phosphorus and C/N/P stoichiometry in forest floor and A horizons as affected by tree species. <i>Soil Biology and Biochemistry</i> , 2017, 111, 166-175.	4.2	65
4482	Microbial community response to changes in substrate availability and habitat conditions in a reciprocal subsoil transfer experiment. <i>Soil Biology and Biochemistry</i> , 2017, 105, 138-152.	4.2	39
4483	Effects of different leaf litters on the physicochemical properties and bacterial communities in <i>Panax ginseng</i> -growing soil. <i>Applied Soil Ecology</i> , 2017, 111, 17-24.	2.1	38
4484	Microbial community and associated enzymes activity influence soil carbon chemical composition in <i>Eucalyptus urophylla</i> plantation with mixing N <sub>2</sub> -fixing species in subtropical China. <i>Plant and Soil</i> , 2017, 414, 199-212.	1.8	26
4485	Improved nutrient status affects soil microbial biomass, respiration, and functional diversity in a Lei bamboo plantation under intensive management. <i>Journal of Soils and Sediments</i> , 2017, 17, 917-926.	1.5	23
4486	Responses of ecosystem respiration to nitrogen enrichment and clipping mediated by soil acidification in an alpine meadow. <i>Pedobiologia</i> , 2017, 60, 1-10.	0.5	16
4487	Water erosion and soil properties patterns along selected rainfall events in cultivated and abandoned terraced fields under renaturalisation. <i>Catena</i> , 2017, 155, 114-126.	2.2	23
4488	Lasting effects of soil health improvements with management changes in cotton-based cropping systems in a sandy soil. <i>Biology and Fertility of Soils</i> , 2017, 53, 533-546.	2.3	24
4489	Long-term alternative dairy manure management approaches enhance microbial biomass and activity in perennial forage grass. <i>Biology and Fertility of Soils</i> , 2017, 53, 613-626.	2.3	32
4490	Impact of secondary forest fallow period on soil microbial biomass carbon and enzyme activity dynamics under shifting cultivation in North Eastern Hill region, India. <i>Catena</i> , 2017, 156, 10-17.	2.2	17

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4492	Is the rate of mineralization of soil organic carbon under microbiological control?. <i>Soil Biology and Biochemistry</i> , 2017, 112, 127-139.	4.2	51
4493	Increased litter in subtropical forests boosts soil respiration in natural forests but not plantations of <i>Castanopsis carlesii</i> . <i>Plant and Soil</i> , 2017, 418, 141-151.	1.8	39
4494	Seasonal variation of microbial activity as affected by tillage practice and sugar beet foam amendment under Mediterranean climate. <i>Applied Soil Ecology</i> , 2017, 117-118, 70-80.	2.1	16
4495	Soil nitrogen availability indices as predictors of sugarcane nitrogen requirements. <i>European Journal of Agronomy</i> , 2017, 89, 25-37.	1.9	23
4496	The transfer and allocation of newly fixed C by invasive <i>Spartina alterniflora</i> and native <i>Phragmites australis</i> to soil microbiota. <i>Soil Biology and Biochemistry</i> , 2017, 113, 231-239.	4.2	28
4497	Will nitrogen deposition mitigate warming-increased soil respiration in a young subtropical plantation?. <i>Agricultural and Forest Meteorology</i> , 2017, 246, 78-85.	1.9	44
4498	Hydrochars from Biosolids and Urban Wastes as Substitute Materials for Peat. <i>Land Degradation and Development</i> , 2017, 28, 2268-2276.	1.8	33
4499	Effect of soil preparation techniques on the biochemical properties and microbial communities of a citrus orchard after replanting and conversion into organic management. <i>Applied Soil Ecology</i> , 2017, 119, 8-17.	2.1	6
4500	Altered humin compositions under organic and inorganic fertilization on an intensively cultivated sandy loam soil. <i>Science of the Total Environment</i> , 2017, 601-602, 356-364.	3.9	15
4501	Turnover of carbon and phosphorus in the microbial biomass depending on phosphorus availability. <i>Soil Biology and Biochemistry</i> , 2017, 113, 53-59.	4.2	69
4502	Combined effects of rhizodeposit C and crop residues on SOM priming, residue mineralization and N supply in soil. <i>Soil Biology and Biochemistry</i> , 2017, 113, 35-44.	4.2	29
4503	Effects of plant restoration on soil microbial biomass in an arid desert in northern China. <i>Journal of Arid Environments</i> , 2017, 144, 192-200.	1.2	16
4504	The effect of biochar and compost from urban organic waste on plant biomass and properties of an artificially copper polluted soil. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 223-232.	1.9	68
4505	Q10 values vary with different kinetic properties of C mineralization. <i>Pedobiologia</i> , 2017, 63, 8-13.	0.5	0
4506	Prediction of tillage operation strategies for dryland wheat production in a degraded loess soil. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1137-1149.	1.3	0
4507	Changes in microbial communities and respiration following the revegetation of eroded soil. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 30-37.	2.5	63
4508	Agro-Industry Sludge as a Potential Organic Fertilizer for Prompt Nitrogen Release. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 999-1007.	0.6	4

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4509	C and N stocks are not impacted by land use change from Brazilian Savanna (Cerrado) to agriculture despite changes in soil fertility and microbial abundances. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 436-445.	1.1	8
4510	Is biochar-manure co-compost a better solution for soil health improvement and N <sub>2</sub> O emissions mitigation?. <i>Soil Biology and Biochemistry</i> , 2017, 113, 14-25.	4.2	54
4511	Nitrogen fertilization increases rhizodeposit incorporation into microbial biomass and reduces soil organic matter losses. <i>Biology and Fertility of Soils</i> , 2017, 53, 419-429.	2.3	65
4512	Effects of nitrogen and phosphorus fertilization on the activities of four different classes of fine-root and soil phosphatases in Bornean tropical rain forests. <i>Plant and Soil</i> , 2017, 416, 463-476.	1.8	54
4513	Responses of root exudation and nutrient cycling to grazing intensities and recovery practices in an alpine meadow: An implication for pasture management. <i>Plant and Soil</i> , 2017, 416, 515-525.	1.8	39
4514	Assessment of <i>Miscanthus x giganteus</i> capacity to restore the functionality of metal-contaminated soils: Ex situ experiment. <i>Applied Soil Ecology</i> , 2017, 115, 44-52.	2.1	31
4515	Response of microbial diversity to C:N:P stoichiometry in fine root and microbial biomass following afforestation. <i>Biology and Fertility of Soils</i> , 2017, 53, 457-468.	2.3	126
4516	Impact of premature harvest of <i>Miscanthus x giganteus</i> for biogas production on organic residues, microbial parameters and earthworm community in soil. <i>Applied Soil Ecology</i> , 2017, 114, 74-81.	2.1	10
4517	Effects of aspect on vegetation complex on soil nitrogen mineralization and microbial activity on the Tibetan Plateau. <i>Catena</i> , 2017, 155, 1-9.	2.2	35
4518	Organic amendments decomposability influences microbial activity in saline soils. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1875-1888.	1.3	28
4519	Environmental and economic opportunities of applications of different types and application methods of chemical fertilizer in rice paddy. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 107, 413-431.	1.1	10
4520	Pea cultivar and wheat residues affect carbon/nitrogen dynamics in pea-triticale intercropping: A microcosms approach. <i>Science of the Total Environment</i> , 2017, 592, 436-450.	3.9	12
4521	The fate of nitrogen inputs in a warmer alpine treeline ecosystem: a <sup>15</sup> N labelling study. <i>Journal of Ecology</i> , 2017, 105, 1723-1737.	1.9	14
4522	Residue addition combined with rewetting of dry soil – Effect of timing of residue addition on soil respiration, microbial biomass, nutrient availability and legacy effect. <i>Geoderma</i> , 2017, 299, 83-90.	2.3	5
4523	Quantifying in situ and modeling net nitrogen mineralization from soil organic matter in arable cropping systems. <i>Soil Biology and Biochemistry</i> , 2017, 111, 44-59.	4.2	68
4524	Examination of residual chloroform interference in the measurement of microbial biomass C by fumigation-extraction. <i>Soil Biology and Biochemistry</i> , 2017, 111, 60-65.	4.2	11
4525	Toxicity of iron oxide nanoparticles to grass litter decomposition in a sandy soil. <i>Scientific Reports</i> , 2017, 7, 41965.	1.6	52
4526	Nitrogen nutrition of native and introduced forest tree species in N-limited ecosystems of the Qinling Mountains, China. <i>Trees - Structure and Function</i> , 2017, 31, 1189-1202.	0.9	5

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4527	Comparative evaluation of three contrasting land use systems for soil carbon, microbial and biochemical indicators in North-Western Himalaya. <i>Ecological Engineering</i> , 2017, 103, 21-30.	1.6	26
4528	Bioaugmentation in Technosols created in abandoned pyritic tailings can contribute to enhance soil C sequestration and plant colonization. <i>Science of the Total Environment</i> , 2017, 593-594, 357-367.	3.9	13
4529	Transport, anoxia and end-product accumulation control carbon dioxide and methane production and release in peat soils. <i>Biogeochemistry</i> , 2017, 133, 219-239.	1.7	14
4530	Suitability of a municipal solid waste as organic amendment for agricultural and metal(loid)-contaminated soils: effects on soil properties, plant growth and metal(loid) allocation in <i>Zea mays</i> L.. <i>Journal of Soils and Sediments</i> , 2017, 17, 2469-2480.	1.5	4
4531	Different plant covers change soil respiration and its sources in subtropics. <i>Biology and Fertility of Soils</i> , 2017, 53, 469-478.	2.3	5
4532	Greenhouse gases emission, soil organic carbon and wheat yield as affected by tillage systems and nitrogen management practices. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1644-1660.	1.3	44
4533	Soil organic nitrogen composition and mineralization of paddy soils in a cultivation chronosequence in China. <i>Journal of Soils and Sediments</i> , 2017, 17, 1588-1598.	1.5	29
4534	The fate of soybean residue-carbon links to changes of bacterial community composition in Mollisols differing in soil organic carbon. <i>Soil Biology and Biochemistry</i> , 2017, 109, 50-58.	4.2	41
4535	The Introduction of Woody Plants for Freshwater Wetland Restoration Alters the Archaeal Community Structure in Soil. <i>Land Degradation and Development</i> , 2017, 28, 1933-1942.	1.8	7
4536	Site factors as predictors for <i>Pinus halepensis</i> Mill. productivity in Spanish plantations. <i>Annals of Forest Science</i> , 2017, 74, 1.	0.8	10
4537	Changes in the soil N potential mineralization and nitrification in a rice paddy after 20 years application of chemical fertilizers and organic matter. <i>Canadian Journal of Soil Science</i> , 0, , .	0.5	5
4538	Effect of biodynamic soil amendments on microbial communities in comparison with inorganic fertilization. <i>Applied Soil Ecology</i> , 2017, 114, 82-89.	2.1	39
4539	Harvest date of <i>Miscanthus x giganteus</i> affects nutrient cycling, biomass development and soil quality. <i>Biomass and Bioenergy</i> , 2017, 100, 62-73.	2.9	23
4540	Effects of xeric shrubs on soil microbial communities in a desert in northern China. <i>Plant and Soil</i> , 2017, 414, 281-294.	1.8	32
4541	Influence of Cu fractions on soil microbial activities and risk assessment along Cu contamination gradient. <i>Catena</i> , 2017, 151, 26-33.	2.2	14
4542	Alkaline Technosol contaminated by former mining activity and its culturable autochthonous microbiota. <i>Chemosphere</i> , 2017, 171, 89-96.	4.2	35
4543	Enhanced yields and soil quality in a wheat-maize rotation using buried straw mulch. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 3333-3341.	1.7	19
4544	Long-term effects of aided phytostabilisation on microbial communities of metal-contaminated mine soil. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw252.	1.3	23

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4546	Soil Respiration, Microbial Biomass and Nutrient Availability in Soil After Addition of Residues with Adjusted N and P Concentrations. <i>Pedosphere</i> , 2017, 27, 76-85.	2.1	38
4547	Comparison of nitrogen nutrition and soil carbon status of afforested stands established in degraded soil of the Loess Plateau, China. <i>Forest Ecology and Management</i> , 2017, 389, 46-58.	1.4	36
4548	Identifying drivers of root community compositional changes in semiarid grassland on the Loess plateau after long-term grazing exclusion. <i>Ecological Engineering</i> , 2017, 99, 13-21.	1.6	12
4549	CO <sub>2</sub> -induced alterations in plant nitrate utilization and root exudation stimulate N <sub>2</sub> O emissions. <i>Soil Biology and Biochemistry</i> , 2017, 106, 9-17.	4.2	26
4550	Fertilization influences the nematode community through changing the plant community in the Tibetan Plateau. <i>European Journal of Soil Biology</i> , 2017, 78, 7-16.	1.4	38
4551	The roles of organic amendments and microbial community in the improvement of soil structure of a Vertisol. <i>Applied Soil Ecology</i> , 2017, 111, 84-93.	2.1	62
4552	Changes in soil microbial biomass and community composition in coastal wetlands affected by restoration projects in a Chinese delta. <i>Geoderma</i> , 2017, 289, 124-134.	2.3	53
4553	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. <i>Soil Biology and Biochemistry</i> , 2017, 106, 18-27.	4.2	29
4554	Altered precipitation seasonality impacts the dominant fungal but rare bacterial taxa in subtropical forest soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 231-245.	2.3	64
4555	Ecosystem services and plant physiological status during endophyte-assisted phytoremediation of metal contaminated soil. <i>Science of the Total Environment</i> , 2017, 584-585, 329-338.	3.9	79
4556	Can changes in litter quality drive soil fauna structure and functions?. <i>Soil Biology and Biochemistry</i> , 2017, 107, 94-103.	4.2	44
4557	Legume and Non-legume Trees Increase Soil Carbon Sequestration in Savanna. <i>Ecosystems</i> , 2017, 20, 989-999.	1.6	14
4558	Carbon balance under four double-season cropping systems in North China Plain. <i>Plant and Soil</i> , 2017, 421, 319-336.	1.8	8
4559	Bagasse Ash Application Stimulates Agricultural Soil C Sequestration Without Inhibiting Soil Enzyme Activity. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1822-1833.	0.6	9
4560	Soil quality and productivity under zero tillage and grazing on Mollisols in Argentina – A long-term study. <i>Geoderma Regional</i> , 2017, 11, 44-52.	0.9	8
4561	Carbon quality mediates the temperature sensitivity of soil organic carbon decomposition in managed ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2017, 250, 44-50.	2.5	23
4562	Diversity and co-occurrence network of soil fungi are more responsive than those of bacteria to shifts in precipitation seasonality in a subtropical forest. <i>Soil Biology and Biochemistry</i> , 2017, 115, 499-510.	4.2	134

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4564	$\beta$ -Glucosidase Activity of Forest Soil as an Indicator of Soil Carbon Accumulation. , 2017, , 253-263.		3
4565	Tree regeneration retards decomposition in a temperate mountain soil after forest gap disturbance. <i>Soil Biology and Biochemistry</i> , 2017, 115, 490-498.	4.2	26
4566	Effect of biosynthesized silver nanoparticles on native soil microflora via plant transport during plant-pathogen-nanoparticles interaction. <i>3 Biotech</i> , 2017, 7, 345.	1.1	11
4567	Application of manures to mitigate the harmful effects of electrokinetic remediation of heavy metals on soil microbial properties in polluted soils. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26485-26496.	2.7	15
4568	Alteration of soil bacterial interaction networks driven by different long-term fertilization management practices in the red soil of South China. <i>Applied Soil Ecology</i> , 2017, 120, 128-134.	2.1	41
4569	Wheat and white lupin differ in rhizosphere priming of soil organic carbon under elevated CO <sub>2</sub> . <i>Plant and Soil</i> , 2017, 421, 43-55.	1.8	17
4570	Impact of newly introduced perennial bioenergy crops on soil quality parameters at three different locations in W Germany. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 759-767.	1.1	27
4571	ASSESSMENT OF NUTRIENT MANAGEMENT TECHNOLOGIES FOR EGGPLANT PRODUCTION UNDER SUBTROPICAL CONDITIONS: A COMPREHENSIVE APPROACH. <i>Experimental Agriculture</i> , 2017, 53, 588-608.	0.4	7
4572	Grazing intensity influence soil microbial communities and their implications for soil respiration. <i>Agriculture, Ecosystems and Environment</i> , 2017, 249, 50-56.	2.5	93
4573	Effect of different crop management practices on soil Collembola assemblages: A 4-year follow-up. <i>Applied Soil Ecology</i> , 2017, 119, 354-366.	2.1	27
4574	Optimization of organic and bio-organic fertilizers on soil properties and growth of pigeon pea. <i>Scientia Horticulturae</i> , 2017, 226, 1-9.	1.7	89
4575	Exploitation of agro-climatic environment for selection of 1-aminocyclopropane-1-carboxylic acid (ACC) deaminase producing salt tolerant indigenous plant growth promoting rhizobacteria. <i>Microbiological Research</i> , 2017, 205, 25-34.	2.5	64
4576	Indications that long-term nitrogen loading limits carbon resources for soil microbes. <i>Soil Biology and Biochemistry</i> , 2017, 115, 310-321.	4.2	19
4577	Sheep grazing and local community diversity interact to control litter decomposition of dominant species in grassland ecosystem. <i>Soil Biology and Biochemistry</i> , 2017, 115, 364-370.	4.2	27
4578	Effect of aluminium on mineralization of water extractable organic matter and microbial respiration in southern temperate rainforest soils. <i>European Journal of Soil Biology</i> , 2017, 82, 56-65.	1.4	11
4579	Distribution characteristics of heavy metal(loid)s in aggregates of different size fractions along contaminated paddy soil profile. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23939-23952.	2.7	56
4580	A rapid urban site index for assessing the quality of street tree planting sites. <i>Urban Forestry and Urban Greening</i> , 2017, 27, 279-286.	2.3	30

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4582	Indication of rapid soil food web recovery by nematode-derived indices in restored agricultural soil after open-cast lignite mining. <i>Soil Biology and Biochemistry</i> , 2017, 115, 261-264.	4.2	14
4583	Ants as indicators of soil quality in an on-going recovery of riparian forests. <i>Forest Ecology and Management</i> , 2017, 404, 338-343.	1.4	14
4584	Use of <i>Piptatherum miliaceum</i> for the phytomanagement of biochar amended Technosols derived from pyritic tailings to enhance soil aggregation and reduce metal(loid) mobility. <i>Geoderma</i> , 2017, 307, 159-171.	2.3	29
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4728	Ecological Succession Pattern of Fungal Community in Soil along a Retreating Glacier. <i>Frontiers in Microbiology</i> , 2017, 8, 1028.	1.5	36
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4765	Soil Quality Assessment Through Minimum Data Set Under Different Land Uses of Submontane Punjab. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 658-674.	0.6	34
4766	Rhizosphere priming effects on soil carbon and nitrogen dynamics among tree species with and without intraspecific competition. <i>New Phytologist</i> , 2018, 218, 1036-1048.	3.5	81
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4782	Soil type and microclimatic conditions as drivers of urea transformation kinetics in maize plots. <i>Catena</i> , 2018, 166, 200-208.	2.2	19
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4784	Effects of drying and rewetting on soluble phosphorus and nitrogen in forest floors: An experiment with undisturbed columns. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 177-184.	1.1	15
4785	Soil quality indicator response to land-use change from annual to perennial bioenergy cropping systems in Germany. <i>GCB Bioenergy</i> , 2018, 10, 444-459.	2.5	25
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4791	Effects of different thinning intensities on soil carbon storage in <i>Pinus laricio</i> forest of Apennine South Italy. <i>European Journal of Forest Research</i> , 2018, 137, 131-141.	1.1	33
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4796	Evaluation of soil quality along two revegetation chronosequences on the Loess Hilly Region of China. <i>Science of the Total Environment</i> , 2018, 633, 808-815.	3.9	56
4797	Subsoil application of compost improved sugarcane yield through enhanced supply and cycling of soil labile organic carbon and nitrogen in an acidic soil at tropical Australia. <i>Soil and Tillage Research</i> , 2018, 180, 73-81.	2.6	33

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4801	Soil organic carbon pool changes in relation to slope position and land-use in Indian lower Himalayas. <i>Catena</i> , 2018, 166, 171-180.	2.2	62
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4804	Effects of different fertilization regimes on nitrogen and phosphorus losses by surface runoff and bacterial community in a vegetable soil. <i>Journal of Soils and Sediments</i> , 2018, 18, 3186-3196.	1.5	20
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4806	Temperature sensitivity of soil respiration to nitrogen and phosphorous fertilization: Does soil initial fertility matter?. <i>Geoderma</i> , 2018, 325, 172-182.	2.3	26
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4808	Effects of Byproduct Amendment on Enzyme Activities and Physicochemical Properties of Acidic Orchard Soil from Jiaodong Peninsula of China. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 913-922.	0.6	3
4809	Nitrogen Fertilization Elevated Spatial Heterogeneity of Soil Microbial Biomass Carbon and Nitrogen in Switchgrass and Gamagrass Croplands. <i>Scientific Reports</i> , 2018, 8, 1734.	1.6	16
4810	Soil microbial processes and resource limitation in karst and non-karst forests. <i>Functional Ecology</i> , 2018, 32, 1400-1409.	1.7	120
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4817	Soil microbial biomass size and soil carbon influence the priming effect from carbon inputs depending on nitrogen availability. <i>Soil Biology and Biochemistry</i> , 2018, 119, 41-49.	4.2	124
4818	Enzyme activity and microbial biomass availability in artificial soils on rock-cut slopes restored with outside soil spray seeding (OSSS): Influence of topography and season. <i>Journal of Environmental Management</i> , 2018, 211, 287-295.	3.8	14
4819	Chloroform fumigation extraction for measuring soil microbial biomass: The validity of using samples approaching water saturation. <i>Geoderma</i> , 2018, 319, 204-207.	2.3	13
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4821	Do organic amendments improve the synchronism between soil N supply and wheat demand?. <i>Applied Soil Ecology</i> , 2018, 125, 184-191.	2.1	17
4822	Early structural stability of fine dam sediment in soil construction. <i>Journal of Soils and Sediments</i> , 2018, 18, 2647-2663.	1.5	4
4823	Effects of rhizosphere interactions of grass interspecies on the soil microbial properties during the natural succession in the Loess Plateau. <i>European Journal of Soil Biology</i> , 2018, 85, 79-88.	1.4	7
4824	Responses of soil phosphorus availability to nitrogen addition in a legume and a non-legume plantation. <i>Geoderma</i> , 2018, 322, 12-18.	2.3	41
4825	Effects of rain shortage on carbon allocation, pools and fluxes in a Mediterranean shrub ecosystem â€“ a <sup>13</sup> C labelling field study. <i>Science of the Total Environment</i> , 2018, 627, 1242-1252.	3.9	8
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4827	Prescription side effects: Long-term, high-frequency controlled burning enhances nitrogen availability in an Illinois oak-dominated forest. <i>Forest Ecology and Management</i> , 2018, 411, 82-89.	1.4	15
4828	Watering Frequency and Total Water Input Influence Wheat Growth, Soil Microbial Biomass and Nutrient Availability in a Silt Loam. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 380-388.	0.6	0
4829	Pine sawdust biochar reduces GHG emission by decreasing microbial and enzyme activities in forest and grassland soils in a laboratory experiment. <i>Science of the Total Environment</i> , 2018, 625, 1247-1256.	3.9	61
4830	Significance of dark CO <sub>2</sub> fixation in arctic soils. <i>Soil Biology and Biochemistry</i> , 2018, 119, 11-21.	4.2	58
4831	Effect of inorganic fertilizers with organic amendments on soil chemical properties and rice yield in a low-productivity paddy soil. <i>Geoderma</i> , 2018, 320, 23-29.	2.3	88
4832	Effects of long-term organic fertilization on soil microbiologic characteristics, yield and sustainable production of winter wheat. <i>Journal of Integrative Agriculture</i> , 2018, 17, 210-219.	1.7	64
4833	Maize phenology alters the distribution of enzyme activities in soil: Field estimates. <i>Applied Soil Ecology</i> , 2018, 125, 233-239.	2.1	19

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4835	Labile organic carbon pools and enzyme activities of <i>Pinus massoniana</i> plantation soil as affected by understory vegetation removal and thinning. <i>Scientific Reports</i> , 2018, 8, 573.	1.6	26
4836	Agricultural diversification reduces the survival period of <i>Sclerotinia sclerotiorum</i> sclerotia. <i>European Journal of Plant Pathology</i> , 2018, 151, 713-722.	0.8	5
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4838	Changes in soil phenol oxidase activities due to long-term application of compost and mineral N in a walnut orchard. <i>Geoderma</i> , 2018, 316, 70-77.	2.3	22
4839	Controls on microbially regulated soil organic carbon decomposition at the regional scale. <i>Soil Biology and Biochemistry</i> , 2018, 118, 59-68.	4.2	35
4840	Effects of phosphorus-mobilizing bacteria on tomato growth and soil microbial activity. <i>Plant and Soil</i> , 2018, 427, 17-37.	1.8	57
4841	Rhizosphere characteristics of phytostabilizer <i>Athyrium wardii</i> (Hook.) involved in Cd and Pb accumulation. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 892-900.	2.9	29
4842	Effect of soil washing with biodegradable chelators on the toxicity of residual metals and soil biological properties. <i>Science of the Total Environment</i> , 2018, 625, 1021-1029.	3.9	99
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4844	Nutrient limitation or home field advantage: Does microbial community adaptation overcome nutrient limitation of litter decomposition in a tropical peatland?. <i>Journal of Ecology</i> , 2018, 106, 1558-1569.	1.9	23
4845	Responses of seedling performance to altered seasonal precipitation in a secondary tropical forest, southern China. <i>Forest Ecology and Management</i> , 2018, 410, 27-34.	1.4	15
4846	Effects of single and repeated prescribed burns on soil organic C and microbial activity in a <i>Pinus halepensis</i> plantation of Southern Italy. <i>Applied Soil Ecology</i> , 2018, 125, 108-116.	2.1	17
4847	Afforestation enhanced soil CH <sub>4</sub> uptake rate in subtropical China: Evidence from carbon stable isotope experiments. <i>Soil Biology and Biochemistry</i> , 2018, 118, 199-206.	4.2	19
4848	Collembola of Barrientos Island, Antarctica: first census and assessment of environmental factors determining springtail distribution. <i>Polar Biology</i> , 2018, 41, 713-725.	0.5	9
4849	An investigation into the long-term effect of soil transplant in bare spoil heaps on survival and migration of soil meso and macrofauna. <i>Ecological Engineering</i> , 2018, 110, 158-164.	1.6	18
4850	Effects of temperature, soil substrate, and microbial community on carbon mineralization across three climatically contrasting forest sites. <i>Ecology and Evolution</i> , 2018, 8, 879-891.	0.8	37
4851	Differential soil microbial community responses to the linkage of soil organic carbon fractions with respiration across land-use changes. <i>Forest Ecology and Management</i> , 2018, 409, 170-178.	1.4	119

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4852	The role of rhizosphere pH in regulating the rhizosphere priming effect and implications for the availability of soil-derived nitrogen to plants. <i>Annals of Botany</i> , 2018, 121, 143-151.	1.4	41
4853	Response of peat biogeochemistry and soil organic matter quality to rewetting in bogs and spruce swamp forests. <i>European Journal of Soil Biology</i> , 2018, 85, 12-22.	1.4	6
4854	Response of nitrogen mineralization dynamics and biochemical properties to litter amendments to soils of a poplar plantation. <i>Journal of Forestry Research</i> , 2018, 29, 915-924.	1.7	9
4855	Soil autotrophic and heterotrophic respiration respond differently to land-use change and variations in environmental factors. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 290-298.	1.9	41
4856	Comparative analysis biochar and compost-induced degradation of di-(2-ethylhexyl) phthalate in soils. <i>Science of the Total Environment</i> , 2018, 625, 987-993.	3.9	65
4857	Carbon and nitrogen mineralization kinetics as influenced by diversified cropping systems and residue incorporation in Inceptisols of eastern Indo-Gangetic Plain. <i>Soil and Tillage Research</i> , 2018, 178, 108-117.	2.6	44
4858	Quantifying the contribution of riparian soils to the provision of ecosystem services. <i>Science of the Total Environment</i> , 2018, 624, 807-819.	3.9	33
4859	Agricultural land use change impacts soil CO <sub>2</sub> emission and its <sup>13</sup> C-isotopic signature in central China. <i>Soil and Tillage Research</i> , 2018, 177, 105-112.	2.6	20
4860	In the land of plenty: catch crops trigger nitrogen uptake by soil microorganisms. <i>Plant and Soil</i> , 2018, 423, 549-562.	1.8	16
4861	Impact of elevated tropospheric ozone on soil C, N and microbial dynamics of winter wheat. <i>Agriculture, Ecosystems and Environment</i> , 2018, 253, 166-176.	2.5	26
4862	Effects of riparian land use changes on soil aggregates and organic carbon. <i>Ecological Engineering</i> , 2018, 112, 82-88.	1.6	37
4863	Effects of short-term fallow managements on soil microbial properties: A case study in China. <i>Applied Soil Ecology</i> , 2018, 125, 128-137.	2.1	11
4864	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
4865	Conversion factor (k factor) for estimation of soil microbial biomass potassium by the chloroform-fumigation extraction method. <i>Soil Science and Plant Nutrition</i> , 2018, 64, 465-468.	0.8	3
4866	Indian spinach: an underutilized perennial leafy vegetable for nutritional security in developing world. <i>Energy, Ecology and Environment</i> , 2018, 3, 195-205.	1.9	22
4867	Effect of lead, cadmium, and mercury contaminants on biodegradation in PAH-polluted soils. <i>Land Degradation and Development</i> , 2018, 29, 1583-1594.	1.8	12
4868	Status, sources, and risk assessment of polycyclic aromatic hydrocarbons in urban soils of Xi'an, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18947-18959.	2.7	41
4869	Choice of pyrolysis parameters for urban wastes affects soil enzymes and plant germination in a Mediterranean soil. <i>Science of the Total Environment</i> , 2018, 634, 1308-1314.	3.9	46

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4874	Dominant factor affecting Pb speciation and the leaching risk among land-use types around Pb-Zn mine. <i>Geoderma</i> , 2018, 326, 123-132.	2.3	23
4875	Soil organic carbon, macro- and micronutrient changes in soil fractions with different lability in response to crop intensification. <i>Soil and Tillage Research</i> , 2018, 181, 136-143.	2.6	20
4876	Phosphorus fractions in subtropical soils depending on land use. <i>European Journal of Soil Biology</i> , 2018, 87, 17-24.	1.4	47
4877	Soil microbial biomass, phosphatase and their relationships with phosphorus turnover under mixed inorganic and organic nitrogen addition in a <i>Larix gmelinii</i> plantation. <i>Forest Ecology and Management</i> , 2018, 422, 313-322.	1.4	33
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4881	Long-term animal manure application promoted biological binding agents but not soil aggregation in a Vertisol. <i>Soil and Tillage Research</i> , 2018, 180, 232-237.	2.6	61
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4885	Responses of soil microbial community to continuous experimental nitrogen additions for 13 years in a nitrogen-rich tropical forest. <i>Soil Biology and Biochemistry</i> , 2018, 121, 103-112.	4.2	173
4886	Priming effects induced by glucose and decaying plant residues on SOM decomposition: A three-source <sup>13</sup> C/ <sup>14</sup> C partitioning study. <i>Soil Biology and Biochemistry</i> , 2018, 121, 138-146.	4.2	55
4887	Impact of single and binary mixtures of phenanthrene and N-PAHs on microbial utilization of <sup>14</sup> C-glucose in soil. <i>Soil Biology and Biochemistry</i> , 2018, 120, 222-229.	4.2	4

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4892	Precipitation affects soil microbial and extracellular enzymatic responses to warming. <i>Soil Biology and Biochemistry</i> , 2018, 120, 212-221.	4.2	67
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4897	Impacts of oxalic acid and glucose additions on N transformation in microcosms via artificial roots. <i>Soil Biology and Biochemistry</i> , 2018, 121, 16-23.	4.2	33
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4903	Effects of Tillage and Residue Management Practices on Soil and Root Parameters in Soybean ( <i>Glycine</i> ) Tj ETQq1 1 0.784314 rgBT /Over India Section B - Biological Sciences, 2018, 88, 487-496.	0.4	2
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4907	Does repeated biochar incorporation induce further soil priming effect?. <i>Journal of Soils and Sediments</i> , 2018, 18, 128-135.	1.5	16
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5015	Can Saltwater Intrusion Accelerate Nutrient Export from Freshwater Wetland Soils? An Experimental Approach. <i>Soil Science Society of America Journal</i> , 2018, 82, 283-292.	1.2	32
5016	Carbon sequestration potential of plantation forestry and improvements in soil nutrient status in a subtropical area of northern India. <i>Environmental Sustainability</i> , 2018, 1, 383-392.	1.4	3
5017	Effects of biochar on carbon pool, N mineralization, microbial biomass and microbial respiration from mollisol. <i>African Journal of Agricultural Research</i> Vol Pp, 2018, 13, 2570-2578.	0.2	1
5018	Influence of slope aspect on the microbial properties of rhizospheric and non-rhizospheric soils on the Loess Plateau, China. <i>Solid Earth</i> , 2018, 9, 1157-1168.	1.2	9
5019	Enhancing soil organic carbon, particulate organic carbon and microbial biomass in semi-arid rangeland using pasture enclosures. <i>BMC Ecology</i> , 2018, 18, 45.	3.0	36
5020	<b>Comparison of methods to quantify soil microbial biomass carbon. <i>Acta Scientiarum - Agronomy</i> , 2018, 40, 39451.	0.6	13
5021	Disturbance Alters the Relative Importance of Topographic and Biogeochemical Controls on Microbial Activity in Temperate Montane Forests. <i>Forests</i> , 2018, 9, 97.	0.9	6
5022	Amendment with high and low C/N residues- Influence of rate, order and frequency. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	0
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5024	Long-term Effects of Biosolids on Soil Quality and Fertility. <i>Soil Science</i> , 2018, 183, 89-98.	0.9	19
5025	Specific recruitment of soil bacteria and fungi decomposers following a biostimulant application increased crop residues mineralization. <i>PLoS ONE</i> , 2018, 13, e0209089.	1.1	33
5026	The Successional Trend of Soil Microbial Characteristics after Reclamation Amended with Arsenic Sandstone in the Mu Us Sandy Land, China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 170, 032103.	0.2	0
5027	Soil Microbial Biomass Across a Gradient of Preserved Native Cerrado. <i>Floresta E Ambiente</i> , 2018, 25, .	0.1	2
5028	Applying Soil Health Indicators to Encourage Sustainable Soil Use: The Transition from Scientific Study to Practical Application. <i>Sustainability</i> , 2018, 10, 3021.	1.6	22
5029	Disentangling effects of air and soil temperature on C allocation in cold environments: A <sup>14</sup> C pulse-labelling study with two plant species. <i>Ecology and Evolution</i> , 2018, 8, 7778-7789.	0.8	6
5030	Labile organic matter plays a more important role than the autotrophic bacterial community in regulating microbial CO <sub>2</sub> fixation in an eroded watershed. <i>Land Degradation and Development</i> , 2018, 29, 4415-4423.	1.8	10
5031	Invasion by <i>Fallopia japonica</i> alters soil food webs through secondary metabolites. <i>Soil Biology and Biochemistry</i> , 2018, 127, 100-109.	4.2	39
5032	Nitrogen availability regulates topsoil carbon dynamics after permafrost thaw by altering microbial metabolic efficiency. <i>Nature Communications</i> , 2018, 9, 3951.	5.8	135

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5034	Characteristics of soil enzyme activities and microbial biomass carbon and nitrogen under different vegetation zones on the Loess Plateau, China. <i>Arid Land Research and Management</i> , 2018, 32, 438-454.	0.6	10
5035	Corn Stover Harvest, Tillage, and Cover Crop Effects on Soil Health Indicators. <i>Soil Science Society of America Journal</i> , 2018, 82, 910-918.	1.2	21
5036	The influence of drought intensity on soil respiration during and after multiple drying-rewetting cycles. <i>Soil Biology and Biochemistry</i> , 2018, 127, 82-89.	4.2	32
5037	Oxidative Stress-Protective and Anti-Melanogenic Effects of Loliolide and Ethanol Extract from Fresh Water Green Algae, <i>Prasiola japonica</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2825.	1.8	24
5038	Plants mitigate detrimental nitrogen deposition effects on soil biodiversity. <i>Soil Biology and Biochemistry</i> , 2018, 127, 178-186.	4.2	20
5039	Simulated leaf litter addition causes opposite priming effects on natural forest and plantation soils. <i>Biology and Fertility of Soils</i> , 2018, 54, 925-934.	2.3	36
5040	Soil microbial activity and community structure as affected by exposure to chloride and chloride-sulfate salts. <i>Journal of Arid Land</i> , 2018, 10, 737-749.	0.9	5
5041	Responses of Labile Organic Nitrogen Fractions and Enzyme Activities in eroded Mollisols After 8-year Manure Amendment. <i>Scientific Reports</i> , 2018, 8, 14179.	1.6	11
5042	Quantity and quality of soil organic matter as a sustainability index under different land uses in Eastern Amazon. <i>Scientia Agricola</i> , 2018, 75, 225-232.	0.6	13
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5045	ACTIVITY OF RHIZOSPHERE SOIL MICROORGANISMS OF SUGARCANE CULTIVARS AFTER SPRAYING OF HERBICIDES: DIURON, TEBUTHIURON, AMETRYN AND DIURON + HEXAZINONE. <i>Revista Caatinga</i> , 2018, 31, 593-601.	0.3	3
5046	Soil enzymatic responses to multiple environmental drivers in the Tibetan grasslands: Insights from two manipulative field experiments and a meta-analysis. <i>Pedobiologia</i> , 2018, 71, 50-58.	0.5	14
5047	Soil health indicators as affected by diverse forage species and mixtures in semi-arid pastures. <i>Applied Soil Ecology</i> , 2018, 132, 179-186.	2.1	47
5048	Stoichiometric constraints on the microbial processing of carbon with soil depth along a riparian hillslope. <i>Biology and Fertility of Soils</i> , 2018, 54, 949-963.	2.3	30
5049	Contrasting Responses of Soil Respiration Components in Response to Five-Year Nitrogen Addition in a <i>Pinus tabulaeformis</i> Forest in Northern China. <i>Forests</i> , 2018, 9, 544.	0.9	6
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5053	Effects of nitrogen addition on soil organic carbon mineralization after maize stalk addition. <i>European Journal of Soil Biology</i> , 2018, 89, 33-38.	1.4	19
5054	Microbial biomass and acid phosphomonoesterase activity in soils of the Central Highlands of Kenya. <i>Geoderma Regional</i> , 2018, 15, e00193.	0.9	16
5055	Drought-Induced Accumulation of Root Exudates Supports Post-drought Recovery of Microbes in Mountain Grassland. <i>Frontiers in Plant Science</i> , 2018, 9, 1593.	1.7	80
5056	Organic amendment effectively recovers soil functionality in degraded vineyards. <i>European Journal of Agronomy</i> , 2018, 101, 210-221.	1.9	20
5057	Effects of amendments on base cation and micronutrient availabilities in soils planted with tomato in a solar greenhouse. <i>Soil Science and Plant Nutrition</i> , 2018, 64, 782-792.	0.8	3
5058	Effects of O <sub>3</sub> stress on physico-chemical and biochemical properties and composition of main microbial groups of a soil cropped to soybean. <i>Biology and Fertility of Soils</i> , 2018, 54, 965-976.	2.3	4
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5060	Net nitrogen mineralization and enzyme activities in an alpine meadow soil amended with litter tannins. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 954-965.	1.1	1
5061	Litter identity affects assimilation of carbon and nitrogen by a shredding caddisfly. <i>Ecosphere</i> , 2018, 9, e02340.	1.0	11
5062	Changes in Metal Availability and Improvements in Microbial Properties After Phytoextraction of a Cd, Zn and Pb Contaminated Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 624-630.	1.3	1
5063	Effects of long-term nitrogen addition on phosphorus cycling in organic soil horizons of temperate forests. <i>Biogeochemistry</i> , 2018, 141, 167-181.	1.7	48
5064	Effects of Copper Oxide Nanoparticles on Paddy Soil Properties and Components. <i>Nanomaterials</i> , 2018, 8, 839.	1.9	51
5065	Distinct effects of N and P addition on soil enzyme activities and C distribution in aggregates in a subalpine spruce plantation. <i>Biogeochemistry</i> , 2018, 141, 199-212.	1.7	8
5066	Elevated carbon dioxide and temperature imparted intrinsic drought tolerance in aerobic rice system through enhanced exopolysaccharide production and rhizospheric activation. <i>Agriculture, Ecosystems and Environment</i> , 2018, 268, 52-60.	2.5	13
5067	Plant community regulates soil multifunctionality in a tropical dry forest. <i>Ecological Indicators</i> , 2018, 95, 953-963.	2.6	35
5068	Effects of Cd, Cu, Zn and their combined action on microbial biomass and bacterial community structure. <i>Environmental Pollution</i> , 2018, 243, 510-518.	3.7	133

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5070	Nutrient supply enhanced wheat residue-carbon mineralization, microbial growth, and microbial carbon-use efficiency when residues were supplied at high rate in contrasting soils. <i>Soil Biology and Biochemistry</i> , 2018, 126, 168-178.	4.2	57
5071	Soil microbial biomass and enzyme data after six years of cover crop and compost treatments in organic vegetable production. <i>Data in Brief</i> , 2018, 21, 212-227.	0.5	5
5072	Recovery approach affects soil quality in fragile karst ecosystems of southwest China: Implications for vegetation restoration. <i>Ecological Engineering</i> , 2018, 123, 151-160.	1.6	38
5073	Bioconversion of Scotch broom into a high-quality organic fertiliser: Vermicomposting as a sustainable option. <i>Waste Management and Research</i> , 2018, 36, 1092-1099.	2.2	20
5074	Development of soil chemical and microbial properties in reclaimed and unreclaimed grasslands in heaps after opencast lignite mining. <i>Ecological Engineering</i> , 2018, 123, 103-111.	1.6	40
5075	The effects of warming and nitrogen addition on ecosystem respiration in a Tibetan alpine meadow: The significance of winter warming. <i>Ecology and Evolution</i> , 2018, 8, 10113-10125.	0.8	23
5076	Soil heterotrophic respiration: Measuring and modeling seasonal variation and silvicultural impacts. <i>Forest Ecology and Management</i> , 2018, 430, 594-608.	1.4	13
5077	Soil macrofauna in organic and conventional coffee plantations in Brazil. <i>Biota Neotropica</i> , 2018, 18, .	0.2	11
5078	Spatial Variability of Carbon Dioxide Emission by Soils in the Main Types of Forest Ecosystems at the Zvenigorod Biological Station of Moscow State University. <i>Moscow University Soil Science Bulletin</i> , 2018, 73, 81-88.	0.1	5
5079	Changes in Soil Enzyme Activities and Microbial Biomass after Revegetation in the Three Gorges Reservoir, China. <i>Forests</i> , 2018, 9, 249.	0.9	20
5080	Vermicomposting manure-paper mixture with igneous rock phosphate enhances biodegradation, phosphorus bioavailability and reduces heavy metal concentrations. <i>Heliyon</i> , 2018, 4, e00749.	1.4	27
5081	Interactive priming effect of labile carbon and crop residues on SOM depends on residue decomposition stage: Three-source partitioning to evaluate mechanisms. <i>Soil Biology and Biochemistry</i> , 2018, 126, 179-190.	4.2	38
5082	Quality of Soil in the function of biological fertilization and plant covering. <i>African Journal of Agricultural Research Vol Pp</i> , 2018, 13, 733-741.	0.2	2
5083	Contamination and Soil Biological Properties in the Serra Pelada Mine - Amazonia, Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2018, 42, .	0.5	9
5084	Controls of soil and aggregate-associated organic carbon variations following natural vegetation restoration on the Löss Plateau in China. <i>Land Degradation and Development</i> , 2018, 29, 3974-3984.	1.8	85
5085	Study of soil cyanobacteria along a rural-urban gradient. <i>Algal Research</i> , 2018, 35, 142-151.	2.4	8
5086	Contrasting Warming and Ozone Effects on Denitrifiers Dominate Soil N <sub>2</sub> O Emissions. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10956-10966.	4.6	38

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5088	Nitrogen acquisition strategies during the winter-spring transitional period are divergent at the species level yet convergent at the ecosystem level in temperate grasslands. <i>Soil Biology and Biochemistry</i> , 2018, 122, 150-159.	4.2	17
5089	Deforested and drained tropical peatland sites show poorer peat substrate quality and lower microbial biomass and activity than unmanaged swamp forest. <i>Soil Biology and Biochemistry</i> , 2018, 123, 229-241.	4.2	43
5090	Mycelium- and root-derived C inputs differ in their impacts on soil organic C pools and decomposition in forests. <i>Soil Biology and Biochemistry</i> , 2018, 123, 257-265.	4.2	24
5091	Effect of 10 years of biofertiliser use on soil quality and rice yield on an Inceptisol in Assam, India. <i>Soil Research</i> , 2018, 56, 49.	0.6	73
5092	Effect of compost application on the dynamics of carbon in a nectarine orchard ecosystem. <i>Science of the Total Environment</i> , 2018, 637-638, 918-925.	3.9	34
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5094	Successes in Application of Biotechnologies to Mine Land Remediation in the Russian Sub-Arctic. , 2018, , 547-570.		3
5095	Aggregate-associated N and global warming potential of conservation agriculture-based cropping of maize-wheat system in the north-western Indo-Gangetic Plains. <i>Soil and Tillage Research</i> , 2018, 182, 66-77.	2.6	33
5096	Reconciling multiple impacts of nitrogen enrichment on soil carbon: plant, microbial and geochemical controls. <i>Ecology Letters</i> , 2018, 21, 1162-1173.	3.0	154
5097	Soil microbiological attributes indicate recovery of an iron mining area and of the biological quality of adjacent phytophysionomies. <i>Ecological Indicators</i> , 2018, 93, 142-151.	2.6	25
5098	Current knowledge and future research directions to link soil health and water conservation in the Ogallala Aquifer region. <i>Geoderma</i> , 2018, 328, 109-118.	2.3	52
5099	Long-term no-tillage application increases soil organic carbon, nitrous oxide emissions and faba bean ( <i>Vicia faba</i> L.) yields under rain-fed Mediterranean conditions. <i>Science of the Total Environment</i> , 2018, 639, 350-359.	3.9	47
5100	Effects of precipitation exclusion on N <sub>2</sub> O emissions in a savanna ecosystem in SW China. <i>Atmospheric Environment</i> , 2018, 187, 1-8.	1.9	11
5101	The extent and pathways of nitrogen loss in turfgrass systems: Age impacts. <i>Science of the Total Environment</i> , 2018, 637-638, 746-757.	3.9	14
5102	Temporal characterisation of soil-plant natural recovery related to fire severity in burned <i>Pinus halepensis</i> Mill. forests. <i>Science of the Total Environment</i> , 2018, 640-641, 42-51.	3.9	35
5103	Autotrophic and heterotrophic soil respiration responds asymmetrically to drought in a subtropical forest in the Southeast China. <i>Soil Biology and Biochemistry</i> , 2018, 123, 242-249.	4.2	51
5104	Effects of snow depth on acid-unhydrolyzable residue and acid-hydrolyzable carbohydrates degradation rates during foliar litter decomposition of <i>Pinus koraiensis</i> and <i>Quercus mongolica</i> . <i>Plant and Soil</i> , 2018, 428, 389-400.	1.8	4

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5106	Restoring a degraded marsh using thin layer sediment placement: Short term effects on soil physical and biogeochemical properties. <i>Ecological Engineering</i> , 2018, 120, 61-67.	1.6	28
5107	Effects of snowfall depth on soil physical and chemical properties and soil microbial biomass in moss-dominated crusts in the Gurbantunggut Desert, Northern China. <i>Catena</i> , 2018, 169, 175-182.	2.2	21
5108	Spatial variability of soil properties in the floodplain of a river oasis in the Mongolian Altay Mountains. <i>Geoderma</i> , 2018, 330, 99-106.	2.3	19
5109	Biodiversity of urban soils for sustainable cities. <i>Environmental Chemistry Letters</i> , 2018, 16, 1267-1282.	8.3	75
5110	The effects of experimental warming and CO <sub>2</sub> concentration doubling on soil organic carbon fractions of a montane coniferous forest on the eastern Qinghai-Tibetan Plateau. <i>European Journal of Forest Research</i> , 2018, 137, 211-221.	1.1	6
5111	High carbon use efficiency and low priming effect promote soil C stabilization under reduced tillage. <i>Soil Biology and Biochemistry</i> , 2018, 123, 64-73.	4.2	78
5112	Are raw materials or composting conditions and time that most influence the maturity and/or quality of composts? Comparison of obtained composts on soil properties. <i>Journal of Cleaner Production</i> , 2018, 195, 93-101.	4.6	71
5113	Extreme drought slightly decreased soil labile organic C and N contents and altered microbial community structure in a subtropical evergreen forest. <i>Forest Ecology and Management</i> , 2018, 429, 18-27.	1.4	54
5114	Environmental Controls on Soil Microbial Communities in a Seasonally Dry Tropical Forest. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	31
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5116	The role of wildfire on soil quality in abandoned terraces of three Mediterranean micro-catchments. <i>Catena</i> , 2018, 170, 246-256.	2.2	17
5117	Application of holm oak biochar alters dynamics of enzymatic and microbial activity in two contrasting Mediterranean soils. <i>European Journal of Soil Biology</i> , 2018, 88, 15-26.	1.4	28
5118	Greenhouse gas emissions and energy exchange in wet and dry season rice: eddy covariance-based approach. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 423.	1.3	15
5119	CO <sub>2</sub> Emission and Organic Carbon Pools in Soils of the Northern Taiga Ecosystems of Western Siberia under Different Geocryological Conditions. <i>Eurasian Soil Science</i> , 2018, 51, 628-636.	0.5	5
5120	Responses of microbial biomass, available phosphorus, and sugarcane yield after filter cake amendment in a tropical soil. <i>Australian Journal of Crop Science</i> , 2018, 12, 552-556.	0.1	1
5121	Responses of <i>Dodonaea viscosa</i> growth and soil biological properties to nitrogen and phosphorus additions in Yuanmou dry-hot valley. <i>Journal of Mountain Science</i> , 2018, 15, 1283-1298.	0.8	10
5122	Impact of nitrogen additions on soil microbial respiration and temperature sensitivity in native and agricultural ecosystems in the Brazilian Cerrado. <i>Journal of Thermal Biology</i> , 2018, 75, 120-127.	1.1	3

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5124	Vegetation succession influences soil carbon sequestration in coastal alkali-saline soils in southeast China. <i>Scientific Reports</i> , 2018, 8, 9728.	1.6	33
5125	Spring drying and intensified summer rainfall affected soil microbial community composition but not enzyme activity in a subtropical forest. <i>Applied Soil Ecology</i> , 2018, 130, 219-225.	2.1	21
5126	Carbon budgets of top- and subsoil food webs in an arable system. <i>Pedobiologia</i> , 2018, 69, 29-33.	0.5	13
5127	Influence of <i>Bacillus subtilis</i> B068150 on cucumber rhizosphere microbial composition as a plant protective agent. <i>Plant and Soil</i> , 2018, 429, 519-531.	1.8	18
5128	Liming improves soil microbial growth, but trash blanket placement increases labile carbon and nitrogen availability in a sugarcane soil of subtropical Australia. <i>Soil Research</i> , 2018, 56, 235.	0.6	9
5129	Effects of tree species and soil properties on the composition and diversity of the soil bacterial community following afforestation. <i>Forest Ecology and Management</i> , 2018, 427, 342-349.	1.4	74
5130	Biological Activity of Soils in Mountain Tundra Ecosystems under Postpyrogenic Restoration. <i>Eurasian Soil Science</i> , 2018, 51, 692-700.	0.5	8
5131	Characterization of Composted Organic Amendments for Agricultural Use. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	41
5132	Reclamation of coal mine spoil and its effect on Technosol quality and carbon sequestration: a case study from India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27992-28003.	2.7	44
5133	Influence of organic management on As bioavailability: Soil quality and tomato As uptake. <i>Chemosphere</i> , 2018, 211, 352-359.	4.2	10
5134	Vertical and seasonal variations of soil carbon pools in ginkgo agroforestry systems in eastern China. <i>Catena</i> , 2018, 171, 450-459.	2.2	35
5135	Using Humus on Golf Course Fairways to Alleviate Soil Salinity Problems. <i>HortTechnology</i> , 2018, 28, 284-288.	0.5	7
5136	The effect of rice husk biochar on soil nutrient status, microbial biomass and paddy productivity of nutrient poor agriculture soils. <i>Catena</i> , 2018, 171, 485-493.	2.2	83
5137	Soil organic carbon dynamics in wheat - Green gram crop rotation amended with vermicompost and biochar in combination with inorganic fertilizers: A comparative study. <i>Journal of Cleaner Production</i> , 2018, 201, 471-480.	4.6	49
5138	Even flow? Changes of carbon and nitrogen release from pea roots over time. <i>Plant and Soil</i> , 2018, 431, 143-157.	1.8	19
5139	Evaluation of coastal wetland soil properties in a degrading marsh. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 212, 311-317.	0.9	10
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5142	Respiration, microbial biomass and nutrient availability are influenced by previous and current soil water content in plant residue amended soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	4
5143	Tillage and crop succession effects on soil microbial metabolic activity and carbon utilization in a clay loam soil. <i>European Journal of Soil Biology</i> , 2018, 88, 97-104.	1.4	24
5144	Seasonality alters drivers of soil enzyme activity in subalpine grassland soil undergoing climate change. <i>Soil Biology and Biochemistry</i> , 2018, 124, 266-274.	4.2	13
5145	Soil microbial and chemical properties influenced by continuous cropping of banana. <i>Scientia Agricola</i> , 2018, 75, 420-425.	0.6	18
5146	Greenhouse gas emissions and soil organic matter dynamics in woody crop orchards with different irrigation regimes. <i>Science of the Total Environment</i> , 2018, 644, 1429-1438.	3.9	34
5147	Plants regulate the effects of experimental warming on the soil microbial community in an alpine scrub ecosystem. <i>PLoS ONE</i> , 2018, 13, e0195079.	1.1	9
5148	A Gardener's Influence on Urban Soil Quality. <i>Frontiers in Environmental Science</i> , 0, 6, .	1.5	42
5149	Distinct Nitrogen Provisioning From Organic Amendments in Soil as Influenced by Farming System and Water Regime. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	17
5150	Acacia Changes Microbial Indicators and Increases C and N in Soil Organic Fractions in Intercropped Eucalyptus Plantations. <i>Frontiers in Microbiology</i> , 2018, 9, 655.	1.5	49
5151	Insight Into the Variation of Bacterial Structure in Atrazine-Contaminated Soil Regulating by Potential Phytoremediator: <i>Pennisetum americanum</i> (L.) K. Schum. <i>Frontiers in Microbiology</i> , 2018, 9, 864.	1.5	29
5152	Agronomic and economic benefits of green-waste compost for peri-urban vegetable production: implications for food security. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 111, 155-173.	1.1	18
5153	Changing rainfall frequency affects soil organic carbon concentrations by altering non-labile soil organic carbon concentrations in a tropical monsoon forest. <i>Science of the Total Environment</i> , 2018, 644, 762-769.	3.9	17
5154	Plant-Soil Properties Associated with Nitrogen Mineralization: Effect of Conversion of Natural Secondary Forests to Larch Plantations in a Headwater Catchment in Northeast China. <i>Forests</i> , 2018, 9, 386.	0.9	6
5155	Achieving low methane and nitrous oxide emissions with high economic incomes in a rice-based cropping system. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 95-106.	1.9	30
5156	Flow of CO <sub>2</sub> from soil may not correspond with CO <sub>2</sub> concentration in soil. <i>Scientific Reports</i> , 2018, 8, 10099.	1.6	9
5157	Spatial variations of soil respiration and temperature sensitivity along a steep slope of the semiarid Loess Plateau. <i>PLoS ONE</i> , 2018, 13, e0195400.	1.1	11
5158	Spatial distribution of microbial community composition along a steep slope plot of the Loess Plateau. <i>Applied Soil Ecology</i> , 2018, 130, 226-236.	2.1	22

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5160	Lignin linked to slow biodegradability of urea-crosslinked starch in an anaerobic soil environment. <i>E-Polymers</i> , 2018, 18, 473-483.	1.3	1
5161	Effects of soil improvement technology on soil quality in solar greenhouse. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24093-24100.	2.7	5
5162	Effects of corn stover management on soil quality. <i>European Journal of Soil Biology</i> , 2018, 88, 57-64.	1.4	29
5163	Root litter decomposition slows with soil depth. <i>Soil Biology and Biochemistry</i> , 2018, 125, 103-114.	4.2	110
5164	Release of Carbon in Different Molecule Size Fractions from Decomposing Boreal Mor and Peat as Affected by Enchytraeid Worms. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	4
5165	Valorization of biochars from pinewood gasification and municipal solid waste torrefaction as peat substitutes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26461-26469.	2.7	24
5166	Quantifying total and labile pools of soil organic carbon in cultivated and uncultivated soils in eastern India. <i>Soil Research</i> , 2018, 56, 413.	0.6	6
5167	Effects of rhizosphere wettability on microbial biomass, enzyme activities and localization. <i>Rhizosphere</i> , 2018, 7, 35-42.	1.4	21
5168	Response of soil organic carbon fractions, microbial community composition and carbon mineralization to high-input fertilizer practices under an intensive agricultural system. <i>PLoS ONE</i> , 2018, 13, e0195144.	1.1	44
5169	High pyrolysis temperature biochars reduce nitrogen availability and nitrous oxide emissions from an acid soil. <i>GCB Bioenergy</i> , 2018, 10, 930-945.	2.5	22
5170	Large herbivores influence plant litter decomposition by altering soil properties and plant quality in a meadow steppe. <i>Scientific Reports</i> , 2018, 8, 9089.	1.6	28
5171	Modelling the continuous exchange of nitrogen between microbial decomposers, the organs and symbionts of plants, soil reserves and the atmosphere. <i>Soil Biology and Biochemistry</i> , 2018, 125, 185-196.	4.2	9
5172	Effects of polystyrene nanoparticles on the microbiota and functional diversity of enzymes in soil. <i>Environmental Sciences Europe</i> , 2018, 30, 11.	2.6	211
5173	Recalcitrant carbon controls the magnitude of soil organic matter mineralization in temperate forests of northern China. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	19
5174	Effects of biochar amendment on net greenhouse gas emissions and soil fertility in a double rice cropping system: A 4-year field experiment. <i>Agriculture, Ecosystems and Environment</i> , 2018, 262, 83-96.	2.5	108
5175	Indigenous plant-growth-promoting rhizobacteria and chemical fertilisers: impact on wheat ( <i>Triticum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>Science</i> , 2018, 69, 460.	0.7	17
5176	Converting natural evergreen broadleaf forests to intensively managed moso bamboo plantations affects the pool size and stability of soil organic carbon and enzyme activities. <i>Biology and Fertility of Soils</i> , 2018, 54, 467-480.	2.3	54

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5178	Shifts in priming partly explain impacts of long-term nitrogen input in different chemical forms on soil organic carbon storage. <i>Global Change Biology</i> , 2018, 24, 4160-4172.	4.2	24
5179	Understanding the enhanced litter decomposition of mixed-species plantations of Eucalyptus and Acacia mangium. <i>Plant and Soil</i> , 2018, 423, 141-155.	1.8	29
5180	Negative effects of climate change on upland grassland productivity and carbon fluxes are not attenuated by nitrogen status. <i>Science of the Total Environment</i> , 2018, 637-638, 398-407.	3.9	13
5181	Influence of summer legume residue recycling and varietal diversification on productivity, energetics, and nutrient dynamics in basmati rice-wheat cropping system of western Indo-Gangetic Plains. <i>Journal of Plant Nutrition</i> , 2018, 41, 1491-1506.	0.9	11
5182	The potential of active and passive infrared thermography for identifying dynamics of soil moisture and microbial activity at high spatial and temporal resolution. <i>Geoderma</i> , 2018, 327, 119-129.	2.3	12
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5184	Modeling of soil phosphatase activity in land use ecosystems and topsoil layers in the Brazilian Cerrado. <i>Ecological Modelling</i> , 2018, 385, 182-188.	1.2	12
5185	Carbon dynamics, potential and cost of carbon sequestration in double rice cropping system in semi arid southern India. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	1.7	12
5186	Soil micro-food web interactions and rhizosphere priming effect. <i>Plant and Soil</i> , 2018, 432, 129-142.	1.8	16
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5188	A keystone microbial enzyme for nitrogen control of soil carbon storage. <i>Science Advances</i> , 2018, 4, eaaq1689.	4.7	234
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5190	Effects of snow depth manipulation on the releases of carbon, nitrogen and phosphorus from the foliar litter of two temperate tree species. <i>Science of the Total Environment</i> , 2018, 643, 1357-1365.	3.9	13
5191	Short-term effects on soil of biogas digestate, biochar and their combinations. <i>Soil Research</i> , 2018, 56, 623.	0.6	22
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5193	Mycorrhizal associations differentiate soil respiration in five temperate monocultures in Northeast China. <i>Forest Ecology and Management</i> , 2018, 430, 78-85.	1.4	8
5194	Another bottleneck for nitrogen mineralization in temperate forest soils: Arginine metabolism in microorganisms. <i>Soil Biology and Biochemistry</i> , 2018, 126, 22-30.	4.2	12



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5196	Rhizobacterial community structure in response to nitrogen addition varied between two Mollisols differing in soil organic carbon. <i>Scientific Reports</i> , 2018, 8, 12280.	1.6	8
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5198	Response of soil aggregate-associated microbial and nematode communities to tea plantation age. <i>Catena</i> , 2018, 171, 475-484.	2.2	21
5199	Biological processes dominate phosphorus dynamics under low phosphorus availability in organic horizons of temperate forest soils. <i>Soil Biology and Biochemistry</i> , 2018, 126, 64-75.	4.2	52
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5201	Litter chemistry influences earthworm effects on soil carbon loss and microbial carbon acquisition. <i>Soil Biology and Biochemistry</i> , 2018, 123, 105-114.	4.2	21
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5203	Afforestation with xerophytic shrubs accelerates soil net nitrogen nitrification and mineralization in the Tengger Desert, Northern China. <i>Catena</i> , 2018, 169, 11-20.	2.2	34
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5208	Strong root respiration response to nitrogen and phosphorus addition in nitrogen-limited temperate forests. <i>Science of the Total Environment</i> , 2018, 642, 646-655.	3.9	20
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5211	Effects of short-term warming and nitrogen addition on the quantity and quality of dissolved organic matter in a subtropical <i>Cunninghamia lanceolata</i> plantation. <i>PLoS ONE</i> , 2018, 13, e0191403.	1.1	14
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5214	Leaf and root production, decomposition and carbon and nitrogen fluxes during stand development in tropical moist forests, north-east India. <i>Soil Research</i> , 2018, 56, 306.	0.6	21
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5221	Microbial biofilm inoculants benefit growth and yield of chrysanthemum varieties under protected cultivation through enhanced nutrient availability. <i>Plant Biosystems</i> , 2019, 153, 306-316.	0.8	26
5222	Crop residue-derived dissolved organic matter accelerates the decomposition of native soil organic carbon in a temperate agricultural ecosystem. <i>Acta Ecologica Sinica</i> , 2019, 39, 69-76.	0.9	6
5223	Evidence for the primacy of living root inputs, not root or shoot litter, in forming soil organic carbon. <i>New Phytologist</i> , 2019, 221, 233-246.	3.5	281
5224	Carbon dynamics in surface and deep soil in response to increasing litter addition rates in an agro-ecosystem. <i>Geoderma</i> , 2019, 333, 1-9.	2.3	42
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5227	Changes in physico-chemical, microbiological and biochemical parameters during composting and vermicomposting of coal fly ash: a comparative study. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4647-4664.	1.8	17
5228	Understanding the fate of soil organic matter in submerging coastal wetland soils: A microcosm approach. <i>Geoderma</i> , 2019, 337, 1267-1277.	2.3	34
5229	Effects of amendments on phosphorous status in soils with different phosphorous levels. <i>Catena</i> , 2019, 172, 97-103.	2.2	25
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5232	No difference in ectomycorrhizal morphotype composition between abandoned and inhabited nests of wood ants ( <i>Formica polyctena</i> ) in a central European spruce forest. <i>Geoderma</i> , 2019, 334, 55-62.	2.3	1
5233	Partitioning biochar properties to elucidate their contributions to bacterial and fungal community composition of purple soil. <i>Science of the Total Environment</i> , 2019, 648, 1333-1341.	3.9	46
5234	Sorption reduces the biodegradation rates of multivalent organic acids in volcanic soils rich in short-range order minerals. <i>Geoderma</i> , 2019, 333, 188-199.	2.3	16
5235	Microbial biomass, metabolic functional diversity, and activity are affected differently by tillage disturbance and maize planting in a typical karst calcareous soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 809-821.	1.5	23
5236	Repetitive land application of urban sewage sludge: Effect of amendment rates and soil texture on fertility and degradation parameters. <i>Catena</i> , 2019, 172, 11-20.	2.2	91
5237	Leaf litter and crop residue decomposition in ginkgo agroforestry systems in eastern China: Soil fauna diversity and abundance, microbial biomass and nutrient release. <i>Journal of Forestry Research</i> , 2019, 30, 1895-1902.	1.7	4
5238	Dynamic contribution of microbial residues to soil organic matter accumulation influenced by maize straw mulching. <i>Geoderma</i> , 2019, 333, 35-42.	2.3	71
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5240	Assessment and comparison of phytoremediation potential of selected plant species against endosulfan. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3231-3248.	1.8	6
5241	Temperature adaptability of soil respiration in short-term incubation experiments. <i>Journal of Soils and Sediments</i> , 2019, 19, 557-565.	1.5	13
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5243	Small-Scale Spatial Variability of Soil Chemical and Biochemical Properties in a Rewetted Degraded Peatland. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	14
5244	Enzymatic profiles associated with the evolution of the lignocellulosic fraction during industrial-scale composting of anthropogenic waste: Comparative analysis. <i>Journal of Environmental Management</i> , 2019, 248, 109312.	3.8	15
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5246	Nitrogen addition reduces soil respiration but increases the relative contribution of heterotrophic component in an alpine meadow. <i>Functional Ecology</i> , 2019, 33, 2239-2253.	1.7	54
5247	Insight of soil amelioration process of bauxite residues amended with organic materials from different sources. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29379-29387.	2.7	10
5248	Decrease in diversity and shift in composition of the soil bacterial community were closely related to high available phosphorus in agricultural Fluvisols of North China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2019, 69, 618-630.	0.3	4

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5252	Biochar application on paddy and purple soils in southern China: soil carbon and biotic activity. <i>Royal Society Open Science</i> , 2019, 6, 181499.	1.1	21
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5255	Microbial community responses reduce soil carbon loss in Tibetan alpine grasslands under short-term warming. <i>Global Change Biology</i> , 2019, 25, 3438-3449.	4.2	24
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5257	Dynamics of soil microbial C:N:P stoichiometry and its driving mechanisms following natural vegetation restoration after farmland abandonment. <i>Science of the Total Environment</i> , 2019, 693, 133613.	3.9	79
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5263	Short-term effects of byproduct amendments and lime on physicochemical and microbiological properties of acidic soil from Jiaodong Peninsula of China. <i>Ciencia Rural</i> , 2019, 49, .	0.3	3
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5265	Enhanced Cd-Zn-Pb-contaminated soil phytoextraction by <i>Sedum alfredii</i> and the rhizosphere bacterial community structure and function by applying organic amendments. <i>Plant and Soil</i> , 2019, 444, 101-118.	1.8	28
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5269	Effect of peanut ( <i>Arachis hypogaea</i> L.)/cowpea ( <i>Vigna unguiculata</i> L.) intercropping combined with organic mature application on soil microfauna. <i>Geoderma</i> , 2019, 354, 113863.	2.3	7
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5272	Biochemical and Biological Properties of Soil from Murundus Wetlands Converted into Agricultural Systems. <i>Revista Brasileira De Ciencia Do Solo</i> , 0, 43, .	0.5	3
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5274	Drivers of soil carbon stabilization in oil palm plantations. <i>Land Degradation and Development</i> , 2019, 30, 1904-1915.	1.8	21
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5276	Crop yield, weed cover and ecosystem multifunctionality are not affected by the duration of organic management. <i>Agriculture, Ecosystems and Environment</i> , 2019, 284, 106596.	2.5	8
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5280	The Impacts of Vegetation Types and Soil Properties on Soil Microbial Activity and Metabolic Diversity in Subtropical Forests. <i>Forests</i> , 2019, 10, 497.	0.9	10
5281	Can reduced tillage sustain sugarcane yield and soil carbon if straw is removed?. <i>Bioenergy Research</i> , 2019, 12, 764-777.	2.2	41
5282	Evaluation of vegetation communities, water table, and peat composition as drivers of greenhouse gas emissions in lowland tropical peatlands. <i>Science of the Total Environment</i> , 2019, 688, 1193-1204.	3.9	29
5283	Drivers of soil microbial metabolic limitation changes along a vegetation restoration gradient on the Loess Plateau, China. <i>Geoderma</i> , 2019, 353, 188-200.	2.3	114
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5286	Enhanced soil fertility, plant growth promotion and microbial enzymatic activities of vermicomposted fly ash. <i>Scientific Reports</i> , 2019, 9, 10455.	1.6	36
5287	Microbial Biomass Soil Content and Activity Under Black Alder and Sessile Oak in the Western Black Sea Region of Turkey. <i>International Journal of Environmental Research</i> , 2019, 13, 781-791.	1.1	5
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5320	Effect of paddy straw burning on soil microbial dynamics in sandy loam soil of Indo-Gangetic plains. <i>Environmental Technology and Innovation</i> , 2019, 16, 100469.	3.0	35
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5333	Carbon and nutrient fluxes from seagrass and mangrove wrack are mediated by soil interactions. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 229, 106409.	0.9	4
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5352	<i>Pseudomonas fluorescens</i> affects nutrient dynamics in plant-soil system for melon production. <i>Chilean Journal of Agricultural Research</i> , 2019, 79, 223-233.	0.4	7
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5395	Ecosystem carbon response of an Arctic peatland to simulated permafrost thaw. <i>Global Change Biology</i> , 2019, 25, 1746-1764.	4.2	52
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5408	Seed provenance determines germination responses of <i>Rumex crispus</i> (L.) under water stress and nutrient availability. <i>Journal of Plant Ecology</i> , 2019, 12, 949-961.	1.2	5
5409	Sensitivity of plant species to warming and altered precipitation dominates the community productivity in a semiarid grassland on the Loess Plateau. <i>Ecology and Evolution</i> , 2019, 9, 7628-7638.	0.8	22
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5423	Long-term effects of post-fire restoration types on nitrogen mineralisation in a Dahurian larch ( <i>Larix</i> ) Tj ETQq1 1 0.784314 rgBT /Over bo 3.9 27	3.9	27
5424	Warming but Not Nitrogen Addition Alters the Linear Relationship Between Microbial Respiration and Biomass. <i>Frontiers in Microbiology</i> , 2019, 10, 1055.	1.5	13
5425	Fire influences needle decomposition: Tipping point in <i>Pinus radiata</i> carbon chemistry and soil nitrogen transformations. <i>Soil Biology and Biochemistry</i> , 2019, 135, 361-368.	4.2	4
5426	Effects of tillage on soil N availability, aggregate size, and microbial biomass in a subtropical karst region. <i>Soil and Tillage Research</i> , 2019, 192, 187-195.	2.6	29
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5428	Macrophytes and crabs affect nitrogen transformations in salt marshes of the Yangtze River Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 225, 106242.	0.9	4
5429	Tillage effects outweigh seasonal effects on soil nematode community structure. <i>Soil and Tillage Research</i> , 2019, 192, 233-239.	2.6	15

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5431	Temporal Variation of Earthworm Impacts on Soil Organic Carbon under Different Tillage Systems. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1908.	1.2	10
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5435	Growth of lemongrass ( <i>Cymbopogon citratus</i> (DC) Stapf) inoculated with arbuscular mycorrhizal fungi ( <i>Rhizophagus clarus</i> and <i>Claroideoglossum etunicatum</i> ) under contrasting phosphorus levels. <i>Australian Journal of Crop Science</i> , 2019, 13, 266-271.	0.1	10
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5441	Measuring rhizosphere effects of two tree species in a temperate forest: A comprehensive method comparison. <i>Rhizosphere</i> , 2019, 10, 100153.	1.4	10
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5445	Effects of crop residue retention on soil carbon pools after 6 years of rice-wheat cropping system. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	36
5446	Dissipation of chlorantraniliprole in contrasting soils and its effect on soil microbes and enzymes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 288-294.	2.9	15
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5449	Boron improves productivity and profitability of bread wheat under zero and plough tillage on alkaline calcareous soil. <i>Field Crops Research</i> , 2019, 239, 1-9.	2.3	21
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5458	Phosphate Amendments to Compost for Improving P Bio-Availability. <i>Compost Science and Utilization</i> , 2019, 27, 88-96.	1.2	1
5459	Carbonaceous Greenhouse Gases and Microbial Abundance in Paddy Soil under Combined Biochar and Rice Straw Amendment. <i>Agronomy</i> , 2019, 9, 228.	1.3	13
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5574	Effects of organic wastes on labile organic carbon in semiarid soil under plastic mulched drip irrigation. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1873-1884.	1.3	7
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5577	Different microbial responses in top- and subsoils to elevated temperature and substrate addition in a semiarid grassland on the Loess Plateau. <i>European Journal of Soil Science</i> , 2019, 70, 1025-1036.	1.8	12
5578	Current and emerging methodologies for estimating carbon sequestration in agricultural soils: A review. <i>Science of the Total Environment</i> , 2019, 665, 890-912.	3.9	88
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5580	Effects of parent material on soil microbial biomass carbon and basal respiration within young afforested areas. <i>Scandinavian Journal of Forest Research</i> , 2019, 34, 94-101.	0.5	23
5581	Land-use intensity shapes kinetics of extracellular enzymes in rhizosphere soil of agricultural grassland plant species. <i>Plant and Soil</i> , 2019, 437, 215-239.	1.8	14
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5583	Selenium enhances <i>Conyza canadensis</i> phytoremediation of polycyclic aromatic hydrocarbons in soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 2823-2835.	1.5	7
5584	&lt;i&gt;Study on the equipment and technology of high-temperature airtight fermentation of manure&lt;/i&gt;. , 2019, , .		0
5585	Soil Biological Parameters Influenced by Various Nitrogen Sources. , 2019, , .		1
5586	The Role of Different Earthworm Species ( <i>Metaphire Hilgendorfi</i> and <i>Eisenia Fetida</i> ) on CO <sub>2</sub> Emissions and Microbial Biomass during Barley Decomposition. <i>Sustainability</i> , 2019, 11, 6544.	1.6	2
5587	Effects of Cd on soil microbial biomass depend upon its soil fraction distribution. <i>Toxicological and Environmental Chemistry</i> , 2019, 101, 486-496.	0.6	4
5588	Changes in Soil Microbial Biomass, Community Composition, and Enzyme Activities After Half-Century Forest Restoration in Degraded Tropical Lands. <i>Forests</i> , 2019, 10, 1124.	0.9	10
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5590	Long-Term Effects of Biochar-Based Organic Amendments on Soil Microbial Parameters. <i>Agronomy</i> , 2019, 9, 747.	1.3	50
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5592	Evaluation of the biodegradation rate of mulch films. <i>Acta Horticulturae</i> , 2019, , 621-626.	0.1	0
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5596	Comparing the effectiveness and longevity of the urease inhibitor N-(2-nitrophenyl) phosphoric triamide (2-NPT) with N-(n-butyl) thiophosphoric triamide (nBTPT) in reducing ammonia emissions from cattle urine applied to dairy-grazed pasture soils. <i>Soil Research</i> , 2019, 57, 719.	0.6	4
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5598	15N Natural Abundance, Nitrogen and Carbon Pools in Soil-Sorghum System Amended with Natural and NH4+-Enriched Zeolitites. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4524.	1.3	12
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5600	Lime and Nutrient Addition Affects the Dynamics and Fractions of Soil Carbon in a Short-term Incubation Study With 13C-Labeled Wheat Straw. <i>Soil Science</i> , 2019, 184, 43-51.	0.9	2
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5604	Soil Biological Fertility and Bacterial Community Response to Land Use Intensity: A Case Study in the Mediterranean Area. <i>Diversity</i> , 2019, 11, 211.	0.7	15
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5607	Effects of Bt-cotton on biological properties of Vertisols in central India. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 670-685.	1.3	6
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5610	Increased microbial anabolism contributes to soil carbon sequestration by mineral fertilization in temperate grasslands. <i>Soil Biology and Biochemistry</i> , 2019, 130, 167-176.	4.2	60
5611	Effect of waterlogging on soil biochemical properties and organic matter quality in different salt marsh systems. <i>Geoderma</i> , 2019, 338, 302-312.	2.3	15

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5613	Altered soil microbial community composition and function in two shrub-encroached marshes with different physicochemical gradients. <i>Soil Biology and Biochemistry</i> , 2019, 130, 122-131.	4.2	28
5614	Effects of film mulching and nitrogen fertilization on rhizosphere soil environment, root growth and nutrient uptake of winter oilseed rape in northwest China. <i>Soil and Tillage Research</i> , 2019, 187, 194-203.	2.6	44
5615	Shift of millet rhizosphere bacterial community during the maturation of parent soil revealed by 16S rDNA high-throughput sequencing. <i>Applied Soil Ecology</i> , 2019, 135, 157-165.	2.1	49
5616	Influence of Plant Growth Promoting Rhizobacteria, Compost, and Biochar of <i>Azolla</i> on Rosemary ( <i>Rosmarinus Officinalis</i> L.) Growth and Some Soil Quality Indicators in a Calcareous Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 119-131.	0.6	14
5617	Wildfire effects on soil properties in fire-prone pine ecosystems: Indicators of burn severity legacy over the medium term after fire. <i>Applied Soil Ecology</i> , 2019, 135, 147-156.	2.1	52
5618	Multivariate analysis and modeling of soil quality indicators in long-term management systems. <i>Science of the Total Environment</i> , 2019, 657, 457-465.	3.9	33
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5620	Effects of the successive planting of <i>Eucalyptus urophylla</i> on soil bacterial and fungal community structure, diversity, microbial biomass, and enzyme activity. <i>Land Degradation and Development</i> , 2019, 30, 636-646.	1.8	80
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5622	The microbiota of technosols resembles that of a nearby forest soil three years after their establishment. <i>Chemosphere</i> , 2019, 220, 600-610.	4.2	9
5623	Saline Soils Can Be Ameliorated by Adding Biochar Generated From Rice Residue Waste. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1700656.	0.7	14
5624	Soil carbon sequestration to depth in response to long-term phosphorus fertilization of grazed pasture. <i>Geoderma</i> , 2019, 338, 226-235.	2.3	25
5625	Effect of inorganic fertilisers and organic amendments on soil aggregation and biochemical characteristics in a weathered tropical soil. <i>Soil and Tillage Research</i> , 2019, 187, 144-151.	2.6	56
5626	Effects of repeated fertilization and liming on soil microbial biomass in <i>Betula maximowicziana</i> Regel and <i>Abies sachalinensis</i> Fr. Schmidt stands in Japan. <i>Landscape and Ecological Engineering</i> , 2019, 15, 101-111.	0.7	3
5627	Addition of inorganic phosphorus to soil leads to desorption of organic compounds and thus to increased soil respiration. <i>Soil Biology and Biochemistry</i> , 2019, 130, 220-226.	4.2	59
5628	Temporal changes in fertility and microbial properties of soil in forest-converted oil palm plantations in Okomu forest reserve, Nigeria. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1080-1092.	1.3	1
5629	The application of fresh and composted horse and chicken manure affects soil quality, microbial composition and antibiotic resistance. <i>Applied Soil Ecology</i> , 2019, 135, 73-84.	2.1	80



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5631	Microbial communities in local and transplanted soils along a latitudinal gradient. <i>Catena</i> , 2019, 173, 456-464.	2.2	11
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5633	Decoupling of priming and microbial N mining during a short-term soil incubation. <i>Soil Biology and Biochemistry</i> , 2019, 129, 71-79.	4.2	52
5634	Testing potassium limitation on soil microbial activity in a sub-tropical forest. <i>Journal of Forestry Research</i> , 2019, 30, 2341-2347.	1.7	10
5635	Soil nutrients, microbial biomass, and crop response to organic amendments in rice cropping system in the Shivaliks of Indian Himalayas. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2019, 8, 73-85.	2.0	25
5636	Modelling degradation kinetics of metformin and guanylurea in soil microcosms to derive degradation end-points. <i>Environmental Pollution</i> , 2019, 245, 735-745.	3.7	14
5637	Tree growth rate regulate the influence of elevated CO <sub>2</sub> on soil biochemical responses under tropical condition. <i>Journal of Environmental Management</i> , 2019, 231, 1211-1221.	3.8	10
5638	Disentangling the effects of the aqueous matrix on the potential toxicity of liquid pig manure in sub-tropical soils under semi-field conditions. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 457-465.	2.9	8
5639	Interactions between mesofauna, microbiological and chemical soil attributes in pure and intercropped <i>Eucalyptus grandis</i> and <i>Acacia mangium</i> plantations. <i>Forest Ecology and Management</i> , 2019, 433, 240-247.	1.4	30
5640	Contrasting effects of banana peels waste and its biochar on greenhouse gas emissions and soil biochemical properties. <i>Chemical Engineering Research and Design</i> , 2019, 122, 366-377.	2.7	82
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5642	The effect of moisture on soil microbial properties and nitrogen cyclers in Mediterranean sweet orange orchards under organic and inorganic fertilization. <i>Science of the Total Environment</i> , 2019, 655, 158-167.	3.9	52
5643	Mixed <i>Eucalyptus</i> plantations induce changes in microbial communities and increase biological functions in the soil and litter layers. <i>Forest Ecology and Management</i> , 2019, 433, 332-342.	1.4	56
5644	Differences of soil CO <sub>2</sub> flux in two contrasting subalpine ecosystems on the eastern edge of the Qinghai-Tibetan Plateau: A four-year study. <i>Atmospheric Environment</i> , 2019, 198, 166-174.	1.9	12
5645	Changes in soil microbial community response to precipitation events in a semi-arid steppe of the Xilin River Basin, China. <i>Journal of Arid Land</i> , 2019, 11, 97-110.	0.9	12
5646	Linking feedstock and application rate of biochars to N <sub>2</sub> O emission in a sandy loam soil: Potential mechanisms. <i>Geoderma</i> , 2019, 337, 880-892.	2.3	31
5647	Removal of persistent DDT residues from soils by earthworms: A mechanistic study. <i>Journal of Hazardous Materials</i> , 2019, 365, 622-631.	6.5	21

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5651	Controls on mineral-associated organic matter formation in a degraded Oxisol. <i>Geoderma</i> , 2019, 338, 383-392.	2.3	11
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5654	Spatial distribution of microbial biomass and residues across soil aggregate fractions at different elevations in the Central Austrian Alps. <i>Geoderma</i> , 2019, 339, 1-8.	2.3	55
5655	Soil substrates rather than gene abundance dominate DNRA capacity in the <i>Spartina alterniflora</i> ecotones of estuarine and intertidal wetlands. <i>Plant and Soil</i> , 2019, 436, 123-140.	1.8	17
5656	Integrated phosphorus management in maize-chickpea cropping system on alkaline Fluvisol. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 113, 141-156.	1.1	13
5657	Shading and intercropping with buffelgrass pasture affect soil biological properties in the Brazilian semi-arid region. <i>Catena</i> , 2019, 175, 236-250.	2.2	7
5658	Effect of polymer materials on soil structure and organic carbon under drip irrigation. <i>Geoderma</i> , 2019, 340, 94-103.	2.3	37
5659	Impact of carbonates on the mineralisation of surface soil organic carbon in response to shift in tillage practice. <i>Geoderma</i> , 2019, 339, 94-105.	2.3	9
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5661	Light intensity controls rhizosphere respiration rate and rhizosphere priming effect of soybean and sunflower. <i>Rhizosphere</i> , 2019, 9, 97-105.	1.4	12
5662	Using a combination of PLFA and DNA-based sequencing analyses to detect shifts in the soil microbial community composition after a simulated spring precipitation in a semi-arid grassland in China. <i>Science of the Total Environment</i> , 2019, 657, 1237-1245.	3.9	38
5663	Effects of four years of elevated ozone on microbial biomass and extracellular enzyme activities in a semi-natural grassland. <i>Science of the Total Environment</i> , 2019, 660, 260-268.	3.9	22
5664	Soil microbial respiration adapts to ambient temperature in global drylands. <i>Nature Ecology and Evolution</i> , 2019, 3, 232-238.	3.4	89
5665	Variations in belowground carbon use strategies under different climatic conditions. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 32-39.	1.9	1

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5668	Similar spatial patterns of soil quality indicators in three poplar-based silvo-arable alley cropping systems in Germany. <i>Biology and Fertility of Soils</i> , 2019, 55, 1-14.	2.3	41
5669	Residue decomposition and soil carbon priming in three contrasting soils previously exposed to elevated CO <sub>2</sub> . <i>Biology and Fertility of Soils</i> , 2019, 55, 17-29.	2.3	10
5670	Growth explains microbial carbon use efficiency across soils differing in land use and geology. <i>Soil Biology and Biochemistry</i> , 2019, 128, 45-55.	4.2	127
5671	Feeding-strategy effect of Pheidole ants on microbial carbon and physicochemical properties in tropical forest soils. <i>Applied Soil Ecology</i> , 2019, 133, 177-185.	2.1	10
5672	Salinity stress changed the biogeochemical controls on CH <sub>4</sub> and N <sub>2</sub> O emissions of estuarine and intertidal sediments. <i>Science of the Total Environment</i> , 2019, 652, 593-601.	3.9	56
5673	Effects of different fertilizers on residues of oxytetracycline and microbial activity in soil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 161-170.	2.7	16
5674	Interactive effect of salinity and cadmium toxicity on soil microbial properties and enzyme activities. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 221-229.	2.9	51
5675	Cover crop and deep tillage on sandstone soil structure and microbial biomass. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 980-993.	1.3	9
5676	Agronomic effectiveness of a granular poultry litter-derived organomineral phosphate fertilizer in tropical soils: Soil phosphorus fractionation and plant responses. <i>Geoderma</i> , 2019, 337, 582-593.	2.3	41
5677	Microbial biomass and enzymatic responses to temperate oak and larch forest thinning: Influential factors for the site-specific changes. <i>Science of the Total Environment</i> , 2019, 651, 2068-2079.	3.9	41
5678	The impact of nanoscale zero-valent iron particles on soil microbial communities is soil dependent. <i>Journal of Hazardous Materials</i> , 2019, 364, 591-599.	6.5	47
5679	ZnO nanoparticles and zeolite influence soil nutrient availability but do not affect herbage nitrogen uptake from biogas slurry. <i>Chemosphere</i> , 2019, 216, 564-575.	4.2	47
5680	Associations of plant functional diversity with carbon accumulation in a temperate forest ecosystem in the Indian Himalayas. <i>Ecological Indicators</i> , 2019, 98, 861-868.	2.6	44
5681	Combined use of millet glume-derived compost and mineral fertilizer enhances soil microbial biomass and pearl millet yields in a low-input millet cropping system in Niger. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1107-1119.	1.3	14
5682	Inconsistent responses of soil respiration and its components to thinning intensity in a <i>Pinus tabuliformis</i> plantation in northern China. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 370-380.	1.9	31
5683	Will heterotrophic soil respiration be more sensitive to warming than autotrophic respiration in subtropical forests?. <i>European Journal of Soil Science</i> , 2019, 70, 655-663.	1.8	17

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5685	Mineralization of plant residues and native soil carbon as affected by soil fertility and residue type. <i>Journal of Soils and Sediments</i> , 2019, 19, 1407-1415.	1.5	37
5686	Soil moisture integrates the influence of land-use and season on soil microbial community composition in the Ethiopian highlands. <i>Applied Soil Ecology</i> , 2019, 135, 85-90.	2.1	34
5687	Earthworms suppress thrips attack on tomato plants by concomitantly modulating soil properties and plant chemistry. <i>Soil Biology and Biochemistry</i> , 2019, 130, 23-32.	4.2	18
5688	Response of anaerobic mineralization of different depths peat carbon to warming on Zoige plateau. <i>Geoderma</i> , 2019, 337, 1218-1226.	2.3	13
5689	Effects of agronomic treatments on functional diversity of soil microbial community and microbial activity in a revegetated coal mine spoil. <i>Geoderma</i> , 2019, 338, 40-47.	2.3	40
5690	Soil aggregate-associated bacterial metabolic activity and community structure in different aged tea plantations. <i>Science of the Total Environment</i> , 2019, 654, 1023-1032.	3.9	76
5691	Clarifying the interpretation of carbon use efficiency in soil through methods comparison. <i>Soil Biology and Biochemistry</i> , 2019, 128, 79-88.	4.2	164
5692	Short-term response of soil respiration to simulated acid rain in <i>Cunninghamia lanceolata</i> and <i>Michelia macclurei</i> plantations. <i>Journal of Soils and Sediments</i> , 2019, 19, 1239-1249.	1.5	12
5693	Fate of degraded pollutants in waste gas biofiltration: An overview of carbon end-points. <i>Biotechnology Advances</i> , 2019, 37, 579-588.	6.0	11
5694	A new method for soil health assessment based on Analytic Hierarchy Process and meta-analysis. <i>Science of the Total Environment</i> , 2019, 650, 2771-2777.	3.9	50
5695	A soil texture manipulation doubled the priming effect following crop straw addition as estimated by two models. <i>Soil and Tillage Research</i> , 2019, 186, 11-22.	2.6	8
5696	Grazing practices affect the soil microbial community composition in a Tibetan alpine meadow. <i>Land Degradation and Development</i> , 2019, 30, 49-59.	1.8	84
5697	Biochar amendment and water stress alter rhizosphere carbon and nitrogen budgets in bauxite-processing residue sand under rehabilitation. <i>Journal of Environmental Management</i> , 2019, 230, 446-455.	3.8	14
5698	Long-term effects of pig slurry application on selected soil quality parameters and tissue composition of maize in a subhumid subtropical environment. <i>South African Journal of Plant and Soil</i> , 2019, 36, 143-148.	0.4	4
5699	Broad-Scale Patterns of Soil Carbon (C) Pools and Fluxes Across Semiarid Ecosystems are Linked to Climate and Soil Texture. <i>Ecosystems</i> , 2019, 22, 742-753.	1.6	13
5700	Native arbuscular mycorrhizal fungi increase the abundance of ammonia-oxidizing bacteria, but suppress nitrous oxide emissions shortly after urea application. <i>Geoderma</i> , 2019, 338, 493-501.	2.3	55
5701	Nitrogen Effects on Productivity and Soil Properties in Conventional and Zero Tilled Wheat with Different Residue Management. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 123-135.	0.4	9

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5703	Soil microbial processes in a pine silvopastoral system in NW Patagonia. <i>Agroforestry Systems</i> , 2019, 93, 255-266.	0.9	7
5704	Impact of rice-husk ash on the soil biophysical and agronomic parameters of wheat crop under a dry tropical ecosystem. <i>Ecological Indicators</i> , 2019, 105, 505-515.	2.6	41
5705	Evaluating the contributions of earthworms to soil organic carbon decomposition under different tillage practices combined with straw additions. <i>Ecological Indicators</i> , 2019, 105, 516-524.	2.6	17
5706	Biomass, activity and structure of rhizosphere soil microbial community under different metallophytes in a mining site. <i>Plant and Soil</i> , 2019, 434, 245-262.	1.8	23
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5708	Date palm waste biochars alter a soil respiration, microbial biomass carbon, and heavy metal mobility in contaminated mined soil. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1705-1722.	1.8	52
5709	Soil microbial attributes along a chronosequence of Scots pine ( <i>Pinus sylvestris</i> var. <i>mongolica</i> ) plantations in northern China. <i>Pedosphere</i> , 2020, 30, 433-442.	2.1	5
5710	Response of soil respiration to nitrogen addition in two subtropical forest types. <i>Pedosphere</i> , 2020, 30, 478-486.	2.1	9
5711	Treatment of wastewater ammonium under varying salinity conditions within the marshland upwelling system. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1504-1513.	1.2	1
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6049	Functional microbial diversity responses to biodynamic management in Burgundian vineyard soils. <i>Biological Agriculture and Horticulture</i> , 2020, 36, 172-186.	0.5	5
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6070	Leaf trait variation and decomposition in short-rotation woody biomass crops under agroforestry management. <i>Agriculture, Ecosystems and Environment</i> , 2020, 298, 106971.	2.5	10
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6089	Influence of phosphorus and organic matter on microbial transformation of arsenic. <i>Environmental Technology and Innovation</i> , 2020, 19, 100930.	3.0	30
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6098	Spatio-temporal dynamics of arbuscular mycorrhizal fungi and soil organic carbon in coastal saline soil of China. <i>Scientific Reports</i> , 2020, 10, 9781.	1.6	13
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6105	Soil quality indices following long-term conservation pasture management practices. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107060.	2.5	17
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6115	Nitrogen and phosphorus availability affect wheat carbon allocation pathways: rhizodeposition and mycorrhizal symbiosis. <i>Soil Research</i> , 2020, 58, 125.	0.6	5
6116	Improving Mining Soil Phytoremediation with <i>Sinapis alba</i> by Addition of Hydrochars and Biochar from Manure Wastes. <i>Waste and Biomass Valorization</i> , 2020, 11, 5197-5210.	1.8	6
6117	From Factory to Field: Effects of a Novel Soil Amendment Derived From Cheese Production on Wheat and Corn Production. <i>Frontiers in Sustainable Food Systems</i> , 2020, 3, .	1.8	4
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6127	The Structure and Diversity of Nitrogen Functional Groups from Different Cropping Systems in Yellow River Delta. <i>Microorganisms</i> , 2020, 8, 424.	1.6	17
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6130	Soil carbon dynamics in Indian Himalayan intensified organic rice-based cropping sequences. <i>Ecological Indicators</i> , 2020, 114, 106292.	2.6	35
6131	Temporal effects of thinning on soil organic carbon pools, basal respiration and enzyme activities in a Mediterranean Holm oak forest. <i>Forest Ecology and Management</i> , 2020, 464, 118088.	1.4	27
6132	Carbon and nitrogen cycling in a lead polluted grassland evaluated using stable isotopes ( $\delta^{13}C$ and $\delta^{15}N$ ) and microbial, plant and soil parameters. <i>Plant and Soil</i> , 2020, 449, 249-266.	1.8	12
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6138	Iron Nutrition Improves Productivity, Profitability, and Biofortification of Bread Wheat under Conventional and Conservation Tillage Systems. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1298-1310.	1.7	21
6139	Ecological drivers of methanotrophic communities in paddy soils around mercury mining areas. <i>Science of the Total Environment</i> , 2020, 721, 137760.	3.9	12
6140	Effects of grassland degradation on ecological stoichiometry of soil ecosystems on the Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2020, 722, 137910.	3.9	88
6141	Litter Inputs, but Not Litter Diversity, Maintain Soil Processes in Degraded Tropical Forests—A Cross-Continental Comparison. <i>Frontiers in Forests and Global Change</i> , 2020, 2, .	1.0	22
6142	Effects of Elevated CO <sub>2</sub> Concentration and Nitrogen Addition on Soil Respiration in a Cd-Contaminated Experimental Forest Microcosm. <i>Forests</i> , 2020, 11, 260.	0.9	4
6143	Soil Element Stoichiometry Drives Bacterial Community Composition Following Thinning in A Larix Plantation in the Subalpine Regions of Northern China. <i>Forests</i> , 2020, 11, 261.	0.9	9
6144	Long-term effect of rice-based cropping systems on pools of soil organic carbon in farmer's field in hilly agroecosystem of Manipur, India. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 209.	1.3	18
6145	Elevated CO <sub>2</sub> Affects the Soil Organic Carbon Fractions and Their Relation to Soil Microbial Properties in the Rhizosphere of <i>Robinia pseudoacacia</i> L. Seedlings in Cd-Contaminated Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1203-1214.	1.7	5
6146	Habitat-specific environmental factors regulate spatial variability of soil bacterial communities in biocrusts across northern China's drylands. <i>Science of the Total Environment</i> , 2020, 719, 137479.	3.9	22
6147	Soil biogeochemical responses of a tropical forest to warming and hurricane disturbance. <i>Advances in Ecological Research</i> , 2020, , 225-252.	1.4	21
6148	Soil carbon dynamics following the transition of permanent pasture to cereal cropping: influence of initial soil fertility, lime application and nutrient addition. <i>Crop and Pasture Science</i> , 2020, 71, 23.	0.7	4
6149	Impact of natural disturbance, forest management and vegetation cover on topsoil biochemical characteristics of Tatra Mts. (Slovakia). <i>Journal of Mountain Science</i> , 2020, 17, 1294-1309.	0.8	2
6150	Soil properties rather than climate and ecosystem type control the vertical variations of soil organic carbon, microbial carbon, and microbial quotient. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107905.	4.2	71
6151	Effects of supplying silicon nutrient on utilization rate of nitrogen and phosphorus nutrients by rice and its soil ecological mechanism in a hybrid rice double-cropping system. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 474-484.	1.3	11
6152	The Interaction of Arbuscular Mycorrhizal Fungi and Phosphorus Inputs on Selenium Uptake by Alfalfa ( <i>Medicago sativa</i> L.) and Selenium Fraction Transformation in Soil. <i>Frontiers in Plant Science</i> , 2020, 11, 966.	1.7	18
6153	Season-dependent effect of snow depth on soil microbial biomass and enzyme activity in a temperate forest in Northeast China. <i>Catena</i> , 2020, 195, 104760.	2.2	18
6154	Effect of nitrogen (N) deposition on soil-N processes: a holistic approach. <i>Scientific Reports</i> , 2020, 10, 10470.	1.6	23

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6156	Mycorrhizal Association Better Predicts Tree Effects on Soil Than Leaf Habit. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	12
6157	Only Minor Changes in the Soil Microbiome of a Sub-alpine Forest After 20 Years of Moderately Increased Nitrogen Loads. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	19
6158	Management Drives Differences in Nutrient Dynamics in Conventional and Organic Four-Year Crop Rotation Systems. <i>Agronomy</i> , 2020, 10, 764.	1.3	4
6159	The Effects of pH Change through Liming on Soil N <sub>2</sub> O Emissions. <i>Processes</i> , 2020, 8, 702.	1.3	15
6160	Stratification ratio of rhizosphere soil microbial index as an indicator of soil microbial activity over conversion of cropland to forest. <i>Catena</i> , 2020, 195, 104761.	2.2	7
6161	Green manuring inhibits nitrification in a typical paddy soil by changing the contributions of ammonia-oxidizing archaea and bacteria. <i>Applied Soil Ecology</i> , 2020, 156, 103698.	2.1	29
6162	Insect herbivory dampens Subarctic birch forest C sink response to warming. <i>Nature Communications</i> , 2020, 11, 2529.	5.8	18
6163	Combined effects of elevated CO <sub>2</sub> , N fertilizer and water deficit stress on diazotrophic community in sub-humid tropical paddy soil. <i>Applied Soil Ecology</i> , 2020, 155, 103682.	2.1	21
6164	Collembola community structure under different land management in subtropical Brazil. <i>Annals of Applied Biology</i> , 2020, 177, 294-307.	1.3	8
6165	Altitude and Vegetation Affect Soil Organic Carbon, Basal Respiration and Microbial Biomass in Apennine Forest Soils. <i>Forests</i> , 2020, 11, 710.	0.9	26
6166	Growth and nutrient uptake of temperate perennial pastures are influenced by grass species and fertilisation with a microbial consortium inoculant. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 530-538.	1.1	13
6167	Seasonal variation of rhizospheric soil properties under different land use systems at lower Shivalik foothills of Punjab, India. <i>Agroforestry Systems</i> , 2020, 94, 1959-1976.	0.9	17
6168	Mulching practices alter soil microbial functional diversity and benefit to soil quality in orchards on the Loess Plateau. <i>Journal of Environmental Management</i> , 2020, 271, 110985.	3.8	34
6169	Steel slag and biochar amendments decreased CO <sub>2</sub> emissions by altering soil chemical properties and bacterial community structure over two-year in a subtropical paddy field. <i>Science of the Total Environment</i> , 2020, 740, 140403.	3.9	30
6170	Pools of organic carbon in soils under a long-term rice-rice system with different organic amendments in hot, sub-humid India. <i>Carbon Management</i> , 2020, 11, 331-339.	1.2	14
6171	Cover crop and crop residue removal effects on temporal dynamics of soil carbon and nitrogen in a temperate, humid climate. <i>PLoS ONE</i> , 2020, 15, e0235665.	1.1	24
6172	Disentangling the direct and indirect effects of cropland abandonment on soil microbial activity in grassland soil at different depths. <i>Catena</i> , 2020, 194, 104774.	2.2	9

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6174	Combined biochar and nitrogen fertilizer change soil enzyme and microbial activities in a 2-year field trial. <i>European Journal of Soil Biology</i> , 2020, 99, 103212.	1.4	38
6175	Short-term effects of snow cover manipulation on soil bacterial diversity and community composition. <i>Science of the Total Environment</i> , 2020, 741, 140454.	3.9	13
6176	Cooperation between <i>Sporobolus airoides</i> and associated arbuscular mycorrhizal fungi for phosphorus acquisition under drought conditions in an oligotrophic desert ecosystem. <i>Rhizosphere</i> , 2020, 15, 100225.	1.4	8
6177	Nitrogen mineralization rates of the soils incubated under different temperatures from different elevations along an environmental gradient on Yakushima Island. <i>Ecological Research</i> , 2020, 35, 428-438.	0.7	1
6178	Response of bacterial communities and plant-mediated soil processes to nitrogen deposition and precipitation in a desert steppe. <i>Plant and Soil</i> , 2020, 448, 277-297.	1.8	23
6179	Effects of three cropland afforestation practices on the vertical distribution of soil organic carbon pools and nutrients in eastern China. <i>Global Ecology and Conservation</i> , 2020, 22, e00913.	1.0	11
6180	Historical climate legacies on soil respiration persist despite extreme changes in rainfall. <i>Soil Biology and Biochemistry</i> , 2020, 143, 107752.	4.2	33
6181	Biochar amendment increases soil microbial biomass and plant growth and suppresses <i>Fusarium</i> wilt in tomato. <i>Tropical Plant Pathology</i> , 2020, 45, 73-83.	0.8	19
6182	Soil organic carbon turnover following forest restoration in south China: Evidence from stable carbon isotopes. <i>Forest Ecology and Management</i> , 2020, 462, 117988.	1.4	10
6183	Influence of Sea Water Ingression on Carbon Sequestration in Soils Under Coastal Agro-ecosystems of Eastern India. <i>Agricultural Research</i> , 2020, 9, 622-630.	0.9	9
6184	Native broad-leaved tree species play key roles on maintaining soil chemical and microbial properties in a temperate secondary forest, Northeast China. <i>Forest Ecology and Management</i> , 2020, 462, 117971.	1.4	15
6185	Farmyard manure applications stimulate soil carbon and nitrogen cycling by boosting microbial biomass rather than changing its community composition. <i>Soil Biology and Biochemistry</i> , 2020, 144, 107760.	4.2	102
6186	Sustainability Analysis of <i>Prosopis juliflora</i> (Sw.) DC Based Restoration of Degraded Land in North India. <i>Land</i> , 2020, 9, 59.	1.2	38
6187	Forest management influences the effects of streamside wet areas on stream ecosystems. <i>Ecological Applications</i> , 2020, 30, e02077.	1.8	11
6188	Rhizosphere priming effects in soil aggregates with different size classes. <i>Ecosphere</i> , 2020, 11, e03027.	1.0	8
6189	Combination of biological and chemical soil tests best predict maize nitrogen response. <i>Agronomy Journal</i> , 2020, 112, 1263-1278.	0.9	21
6190	The imidacloprid remediation, soil fertility enhancement and microbial community change in soil by <i>Rhodopseudomonas capsulata</i> using effluent as carbon source. <i>Environmental Pollution</i> , 2020, 267, 114254.	3.7	17

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6191	Comparative assessment of polymeric and other nanoparticles impacts on soil microbial and biochemical properties. <i>Geoderma</i> , 2020, 367, 114278.	2.3	30
6192	Long-term tillage and irrigation management practices: Strategies to enhance crop and water productivity under rice-wheat rotation of Indian mid-Himalayan Region. <i>Agricultural Water Management</i> , 2020, 232, 106067.	2.4	15
6193	Plant growth drives soil nitrogen cycling and N-related microbial activity through changing root traits. <i>Fungal Ecology</i> , 2020, 44, 100910.	0.7	14
6194	Earthworm <i>Pontoscolex corethrurus</i> stimulated soil CO <sub>2</sub> emission by enhancing substrate availability rather than changing microbiota community structure. <i>Science of the Total Environment</i> , 2020, 717, 137227.	3.9	10
6195	Partitioning sources of CO <sub>2</sub> emission after soil wetting using high-resolution observations and minimal models. <i>Soil Biology and Biochemistry</i> , 2020, 143, 107753.	4.2	23
6196	Substrate quality and not dominant plant community determines the vertical distribution and C assimilation of enchytraeids in peatlands. <i>Functional Ecology</i> , 2020, 34, 1280-1290.	1.7	3
6197	Fire Alters Soil Properties and Vegetation in a Coniferousâ€“Broadleaf Mixed Forest in Central China. <i>Forests</i> , 2020, 11, 164.	0.9	7
6198	Drought-Induced Stress Priming in Two Distinct Filamentous Saprotrophic Fungi. <i>Microbial Ecology</i> , 2020, 80, 27-33.	1.4	8
6199	Spring watering interactively improves aboveground net primary productivity and soil microbial biomass in a semi-arid grassland of China. <i>Catena</i> , 2020, 189, 104478.	2.2	10
6200	Limited inorganic N niche partitioning by nine alpine plant species after long-term nitrogen addition. <i>Science of the Total Environment</i> , 2020, 718, 137270.	3.9	16
6201	Effects of Saltwater Pulses on Soil Microbial Enzymes and Organic Matter Breakdown in Freshwater and Brackish Coastal Wetlands. <i>Estuaries and Coasts</i> , 2020, 43, 814-830.	1.0	14
6202	Substrate availability and soil microbes drive temperature sensitivity of soil organic carbon mineralization to warming along an elevation gradient in subtropical Asia. <i>Geoderma</i> , 2020, 364, 114198.	2.3	41
6203	Substitution of manure for chemical fertilizer affects soil microbial community diversity, structure and function in greenhouse vegetable production systems. <i>PLoS ONE</i> , 2020, 15, e0214041.	1.1	35
6204	Microbiological indicators of soil quality are related to greater coffee yield in the Brazilian Cerrado region. <i>Ecological Indicators</i> , 2020, 113, 106205.	2.6	19
6205	Effects of phosphogypsum and water treatment residual application on key chemical and biological properties of clay soil and maize yield. <i>Soil Use and Management</i> , 2020, 37, 494.	2.6	12
6206	Sustainable agronomic practices for enhancing the soil quality and yield of <i>Cicer arietinum</i> L. under diverse agroecosystems. <i>Journal of Environmental Management</i> , 2020, 262, 110284.	3.8	25
6207	Effect of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on N-turnover, the N <sub>2</sub> O reductase-gene <i>nosZ</i> and N <sub>2</sub> O:N <sub>2</sub> partitioning from agricultural soils. <i>Scientific Reports</i> , 2020, 10, 2399.	1.6	34
6208	Different amounts of sugarcane trash left on the soil: Effects on microbial and enzymatic indicators in a short-term experiment. <i>Soil Use and Management</i> , 2020, 37, 658.	2.6	0



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6210	Increasing periods after seeding under twiceâ€“annually harvested alfalfa reduces soil carbon and nitrogen stocks in a semiarid environment. <i>Land Degradation and Development</i> , 2020, 31, 2872-2882.	1.8	7
6211	Variation in soil lignin protection mechanisms in five successional gradients of mixed broadleafâ€“pine forests. <i>Soil Science Society of America Journal</i> , 2020, 84, 232-250.	1.2	5
6212	Changes in microbial community structure and physiological profile in a kaolinitic tropical soil under different conservation agricultural practices. <i>Applied Soil Ecology</i> , 2020, 152, 103545.	2.1	21
6213	Grazing exclusion did not affect soil properties in alpine meadows in the Tibetan permafrost region. <i>Ecological Engineering</i> , 2020, 147, 105657.	1.6	14
6214	Influencing pathways of soil microbial attributes on accumulation of heavy metals in brassica ( <i>Brassica campestris</i> L. ssp. <i>chinensis</i> var. <i>utilis</i> Tsen et Lee) leaves. <i>Environmental Pollution</i> , 2020, 262, 114215.	3.7	19
6215	Thinning drives C:N:P stoichiometry and nutrient resorption in <i>Larix principis-rupprechtii</i> plantations in North China. <i>Forest Ecology and Management</i> , 2020, 462, 117984.	1.4	34
6216	Nitrogen reduction processes in paddy soils across climatic gradients: Key controlling factors and environmental implications. <i>Geoderma</i> , 2020, 368, 114275.	2.3	26
6217	Interactive effects of vegetation and water table depth on belowground C and N mobilization and greenhouse gas emissions in a restored peatland. <i>Plant and Soil</i> , 2020, 448, 299-313.	1.8	7
6218	Spent mushroom substrates affect soil humus composition, microbial biomass and functional diversity in paddy fields. <i>Applied Soil Ecology</i> , 2020, 149, 103489.	2.1	35
6219	Total soil organic carbon increases but becomes more labile after afforestation in Chinaâ€™s Loess Plateau. <i>Forest Ecology and Management</i> , 2020, 461, 117911.	1.4	27
6220	Effects of straw and its biochar applications on the abundance and community structure of CO <sub>2</sub> -fixing bacteria in a sandy agricultural soil. <i>Journal of Soils and Sediments</i> , 2020, 20, 2225-2235.	1.5	27
6221	The fertilising potential of manure-based biogas fermentation residues: pelleted vs. liquid digestate. <i>Heliyon</i> , 2020, 6, e03325.	1.4	53
6222	A toxic grass <i>Achnatherum inebrians</i> serves as a diversity refuge for the soil fungal community in rangelands of northern China. <i>Plant and Soil</i> , 2020, 448, 425-438.	1.8	7
6223	Changes in soil organic carbon fractions and microbial community under rice straw return in Northeast China. <i>Global Ecology and Conservation</i> , 2020, 22, e00962.	1.0	41
6224	Differential responses of soil hydrolytic and oxidative enzyme activities to the natural forest conversion. <i>Science of the Total Environment</i> , 2020, 716, 136414.	3.9	17
6225	Ecoenzymatic stoichiometry and microbial nutrient limitation during secondary succession of natural grassland on the Loess Plateau, China. <i>Soil and Tillage Research</i> , 2020, 200, 104605.	2.6	73
6226	Biochar is superior to lime in improving acidic soil properties and fruit quality of Satsuma mandarin. <i>Science of the Total Environment</i> , 2020, 714, 136722.	3.9	56

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6227	Fencing as an effective approach for restoration of alpine meadows: Evidence from nutrient limitation of soil microbes. <i>Geoderma</i> , 2020, 363, 114148.	2.3	42
6228	Biochar addition combined with daily fertigation improves overall soil quality and enhances water-fertilizer productivity of cucumber in alkaline soils of a semi-arid region. <i>Geoderma</i> , 2020, 363, 114170.	2.3	60
6229	Resilience of the microbial communities of semiarid agricultural soils during natural climatic variability events. <i>Applied Soil Ecology</i> , 2020, 149, 103487.	2.1	28
6230	Photodegradation influences litter decomposition rate in a humid tropical ecosystem, Brazil. <i>Science of the Total Environment</i> , 2020, 715, 136601.	3.9	25
6231	The effect of carbon availability on N <sub>2</sub> O emissions is moderated by soil phosphorus. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107726.	4.2	18
6232	Effect of Long Term Manuring on Carbon Sequestration Potential and Dynamics of Soil Organic Carbon Labile Pool Under Tropical Rice-Rice Agro-ecosystem. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 468-480.	0.6	23
6233	Long-term deepened snow cover alters litter layer turnover rate in temperate steppes. <i>Functional Ecology</i> , 2020, 34, 1113-1122.	1.7	8
6234	Development of a soil quality index for characterizing effects of land-use changes on degradation and ecological restoration of rangeland soils in a semi-arid ecosystem. <i>Land Degradation and Development</i> , 2020, 31, 1533-1544.	1.8	30
6235	Soil bacteria and fungi respond differently to plant diversity and plant family composition during the secondary succession of abandoned farmland on the Loess Plateau, China. <i>Plant and Soil</i> , 2020, 448, 183-200.	1.8	64
6236	Forest canopy maintains the soil community composition under elevated nitrogen deposition. <i>Soil Biology and Biochemistry</i> , 2020, 143, 107733.	4.2	47
6237	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
6238	Biochar exerts negative effects on soil fauna across multiple trophic levels in a cultivated acidic soil. <i>Biology and Fertility of Soils</i> , 2020, 56, 597-606.	2.3	41
6239	Response of soil properties and microbial indicators to land use change in an acid soil under Mediterranean conditions. <i>Catena</i> , 2020, 189, 104486.	2.2	29
6240	Elevation gradients affect the differences of arbuscular mycorrhizal fungi diversity between root and rhizosphere soil. <i>Agricultural and Forest Meteorology</i> , 2020, 284, 107894.	1.9	35
6241	Below ground residues were more conducive to soil organic carbon accumulation than above ground ones. <i>Applied Soil Ecology</i> , 2020, 148, 103509.	2.1	12
6242	Changes in plant community and soil ecological indicators in response to <i>Prosopis juliflora</i> and <i>Acacia mearnsii</i> invasion and removal in two biodiversity hotspots in Southern India. <i>Soil Ecology Letters</i> , 2020, 2, 61-72.	2.4	16
6243	Dynamics of soil microbial metabolic activity during grassland succession after farmland abandonment. <i>Geoderma</i> , 2020, 363, 114167.	2.3	39
6244	Shifts in plant-microbe interactions over community succession and their effects on plant resistance to herbivores. <i>New Phytologist</i> , 2020, 226, 1144-1157.	3.5	35

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6245	High-severity wildfire leads to multi-decadal impacts on soil biogeochemistry in mixed-conifer forests. <i>Ecological Applications</i> , 2020, 30, e02072.	1.8	59
6246	Carbon mineralization, biological indicators, and phytotoxicity to assess the impact of urban sewage sludge on two light-textured soils in a microcosm. <i>Journal of Environmental Quality</i> , 2020, 49, 460-471.	1.0	15
6247	Responses of soil microbial communities and functions associated with organic carbon mineralization to nitrogen addition in a Tibetan grassland. <i>Pedosphere</i> , 2020, 30, 214-225.	2.1	31
6248	Effects of 10 yr of nitrogen and phosphorus fertilization on carbon and nutrient cycling in a tidal freshwater marsh. <i>Limnology and Oceanography</i> , 2020, 65, 1669-1687.	1.6	23
6249	Different Effects of Ash Application on the Carbon Mineralization and Microbial Biomass Carbon of Reclaimed Mining Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1001-1012.	1.7	7
6250	Assessing the sustainability of land use management of northern Ethiopian drylands by various indicators for soil health. <i>Ecological Indicators</i> , 2020, 112, 106092.	2.6	15
6251	The influence of biocrusts on the spatial pattern of soil bacterial communities: A case study at landscape and slope scales. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107721.	4.2	15
6252	The importance of edaphic niches functionality for the sustainability of phytomanagement in semiarid mining impacted ecosystems. <i>Journal of Environmental Management</i> , 2020, 266, 110613.	3.8	14
6253	Availability of nitrogen supply from cover crops during residual decomposition by soil microorganisms and its utilization by lettuce ( <i>Lactuca sativa</i> L.). <i>Scientia Horticulturae</i> , 2020, 270, 109415.	1.7	17
6254	Climatic, Edaphic and Biotic Controls over Soil $\delta^{13}C$ and $\delta^{15}N$ in Temperate Grasslands. <i>Forests</i> , 2020, 11, 433.	0.9	8
6255	A Framework to Incorporate Biological Soil Quality Indicators into Assessing the Sustainability of Territories in the Ecuadorian Amazon. <i>Sustainability</i> , 2020, 12, 3007.	1.6	24
6256	Soil moisture mediates microbial carbon and phosphorus metabolism during vegetation succession in a semiarid region. <i>Soil Biology and Biochemistry</i> , 2020, 147, 107814.	4.2	140
6257	Soil organic carbon stability under natural and anthropogenic-induced perturbations. <i>Earth-Science Reviews</i> , 2020, 205, 103199.	4.0	39
6258	Temporal change in soil physicochemical, microbial, aggregate and available C characteristic in dry tropical ecosystem. <i>Catena</i> , 2020, 190, 104553.	2.2	23
6259	Microbial carbon use efficiency in grassland soils subjected to nitrogen and phosphorus additions. <i>Soil Biology and Biochemistry</i> , 2020, 146, 107815.	4.2	58
6260	Soil Analysis: Recent Trends and Applications. , 2020, , .		8
6261	Forest Humus Type Governs Heavy Metal Accumulation in Specific Organic Matter Fractions. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	40
6262	Organic carbon storage and its influencing factors under climate warming of sediments in steppe wetland, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19703-19713.	2.7	7

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6263	Sulfadiazine dissipation in acidic tropical soils. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21243-21251.	2.7	4
6264	Soil under dead or live organic matter systems: Effect of European shag ( <i>Phalacrocorax aristotelis</i> L.) nesting on soil nematodes and nutrient mineralization. <i>Soil Ecology Letters</i> , 2020, 2, 40-46.	2.4	4
6265	Impacts of organic fertilization with a drip irrigation system on bacterial and fungal communities in cotton field. <i>Agricultural Systems</i> , 2020, 182, 102820.	3.2	17
6266	Decoupling of protein depolymerization and ammonification in nitrogen mineralization of acidic forest soils. <i>Applied Soil Ecology</i> , 2020, 153, 103572.	2.1	20
6267	Effects of lead (Pb) in stormwater runoff on the microbial characteristics and organics removal in bioretention systems. <i>Chemosphere</i> , 2020, 253, 126721.	4.2	29
6268	Co-inoculation effect of plant-growth-promoting rhizobacteria and rhizobium on EDSS assisted phytoremediation of Cu contaminated soils. <i>Chemosphere</i> , 2020, 254, 126724.	4.2	76
6269	Biological indicators affected by land use change, soil resource availability and seasonality in dry tropics. <i>Ecological Indicators</i> , 2020, 115, 106369.	2.6	23
6270	The responses of soil nitrogen transformation to nitrogen addition are mainly related to the changes in functional gene relative abundance in artificial <i>Pinus tabulaeformis</i> forests. <i>Science of the Total Environment</i> , 2020, 723, 137679.	3.9	39
6271	Linking soil microbial community dynamics to straw-carbon distribution in soil organic carbon. <i>Scientific Reports</i> , 2020, 10, 5526.	1.6	29
6272	Organic Amendments Alleviate Salinity Effects on Soil Microorganisms and Mineralisation Processes in Aerobic and Anaerobic Paddy Rice Soils. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	48
6273	Effects of Straw-Return Method for the Maize-Rice Rotation System on Soil Properties and Crop Yields. <i>Agronomy</i> , 2020, 10, 461.	1.3	18
6274	A comparison of patterns of microbial C:N:P stoichiometry between topsoil and subsoil along an aridity gradient. <i>Biogeosciences</i> , 2020, 17, 2009-2019.	1.3	13
6275	Structural and microbial evidence for different soil carbon sequestration after four-year successive biochar application in two different paddy soils. <i>Chemosphere</i> , 2020, 254, 126881.	4.2	21
6276	Responses of soil quality indicators to innovative and traditional thinning in a beech ( <i>Fagus sylvatica</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	11
6277	Site-Specific Conditions Change the Response of Bacterial Producers of Soil Structure-Stabilizing Agents Such as Exopolysaccharides and Lipopolysaccharides to Tillage Intensity. <i>Frontiers in Microbiology</i> , 2020, 11, 568.	1.5	18
6278	Effect of repeated drying-rewetting cycles on soil extracellular enzyme activities and microbial community composition in arid and semi-arid ecosystems. <i>European Journal of Soil Biology</i> , 2020, 98, 103187.	1.4	28
6279	The effect of arsenic on soil intracellular and potential extracellular Î <sup>2</sup> -glucosidase differentiated by chloroform fumigation. <i>Science of the Total Environment</i> , 2020, 727, 138659.	3.9	5
6280	Cover cropping increased phosphorus stocks in surface sandy Ultisols under long-term conservation and conventional tillage. <i>Agronomy Journal</i> , 2020, 112, 3163-3173.	0.9	5

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6283	Yeast strain <i>Debaryomyces hansenii</i> for amelioration of arsenic stress in rice. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110480.	2.9	16
6284	Biogeochemical controls on nitrogen transformations in subtropical estuarine wetlands. <i>Environmental Pollution</i> , 2020, 263, 114379.	3.7	25
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6291	Changes in soil organic carbon and aggregate stability following a chronosequence of <i>Liriodendron chinense</i> plantations. <i>Journal of Forestry Research</i> , 2021, 32, 355-362.	1.7	24
6292	Saline Soil Reclamation Index as an efficient tool for assessing restoration progress of saline land. <i>Land Degradation and Development</i> , 2021, 32, 123-138.	1.8	23
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6319	Increase of soil nitrogen availability and recycling with stand age of Chinese-fir plantations. <i>Forest Ecology and Management</i> , 2021, 480, 118643.	1.4	28
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6326	Contrasting patterns of microbial community and enzyme activity between rhizosphere and bulk soil along an elevation gradient. <i>Catena</i> , 2021, 196, 104921.	2.2	59
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6330	Long-term effects of pasture management and fenced riparian buffers on soil organic carbon content and aggregation. <i>Geoderma</i> , 2021, 382, 114666.	2.3	11
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6340	Soil organic and inorganic carbon sequestration by consecutive biochar application: Results from a decade field experiment. <i>Soil Use and Management</i> , 2021, 37, 95-103.	2.6	28
6341	The use of bentonite and organic amendments for remediation of Cd contaminated fields: An environmental perspective. <i>Land Degradation and Development</i> , 2021, 32, 3639-3652.	1.8	5
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6351	Changes in soil biochemical properties following application of bentonite as a soil amendment. <i>European Journal of Soil Biology</i> , 2021, 102, 103251.	1.4	18
6352	Oxygen availability determines key regulators in soil organic carbon mineralisation in paddy soils. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108106.	4.2	49



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6354	Rhizosphere bacterial and fungal communities succession patterns related to growth of poplar fine roots. <i>Science of the Total Environment</i> , 2021, 756, 143839.	3.9	7
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6356	Microbial metabolic efficiency functions as a mediator to regulate rhizosphere priming effects. <i>Science of the Total Environment</i> , 2021, 759, 143488.	3.9	12
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6358	Microbial carbon use efficiency during plant residue decomposition: Integrating multi-enzyme stoichiometry and C balance approach. <i>Applied Soil Ecology</i> , 2021, 159, 103820.	2.1	11
6359	Contrasting responses of soil C-acquiring enzyme activities to soil erosion and deposition. <i>Catena</i> , 2021, 198, 105047.	2.2	6
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6362	Effect of conservation agriculture practices on soil quality, productivity, and profitability of peanut-based system of Saurashtra, India. <i>Agronomy Journal</i> , 2021, 113, 2102-2117.	0.9	3
6363	The response of soil multi-functionality to agricultural management practices can be predicted by key soil abiotic and biotic properties. <i>Agriculture, Ecosystems and Environment</i> , 2021, 307, 107206.	2.5	15
6364	Comparing first- and second-generation bioethanol by-products from sugarcane: Impact on soil carbon and nitrogen dynamics. <i>Geoderma</i> , 2021, 384, 114818.	2.3	7
6365	Six years of conservation agriculture and nutrient management in maize-mustard rotation: Impact on soil properties, system productivity and profitability. <i>Field Crops Research</i> , 2021, 260, 108002.	2.3	25
6366	Nitrogen addition alters composition, diversity, and functioning of microbial communities in mangrove soils: An incubation experiment. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108076.	4.2	38
6367	Restoring soil carbon and chemical properties through silvopastoral adoption in the Colombian Amazon region. <i>Land Degradation and Development</i> , 2021, 32, 3720-3730.	1.8	25
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6373	Impact of surface soil manuring on particulate carbon fractions in relevant to nutrient stoichiometry in a Mollisol profile. <i>Soil and Tillage Research</i> , 2021, 207, 104859.	2.6	7
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6375	Can ridge-furrow with film and straw mulching improve wheat-maize system productivity and maintain soil fertility on the Loess Plateau of China?. <i>Agricultural Water Management</i> , 2021, 246, 106686.	2.4	30
6376	Use of <i>Piptatherum miliaceum</i> to enable the establishment success of <i>Salvia rosmarinus</i> in Technosols developed from pyritic tailings. <i>Chemosphere</i> , 2021, 267, 129281.	4.2	2
6377	Distribution of physiochemically defined soil organic carbon pools and their relationship to the soil microbial community in grasslands. <i>Pedobiologia</i> , 2021, 84, 150704.	0.5	4
6378	Soil organic carbon fractions, C-cycling hydrolytic enzymes, and microbial carbon metabolism in Chinese fir plantations. <i>Science of the Total Environment</i> , 2021, 758, 143695.	3.9	27
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6382	Species identity, rather than species mixtures, drives cover crop effects on nutrient partitioning in unfertilized agricultural soil. <i>Plant and Soil</i> , 2021, 460, 149-162.	1.8	8
6383	Impact of different cropping systems on the land nutrient index, microbial diversity, and soil quality. <i>Land Degradation and Development</i> , 2021, 32, 3973-3991.	1.8	7
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6385	Response of soil organic C fractions and enzyme activity to integrating N fertilisation with cotton stalk or its biochar in a drip-irrigated cotton field. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 98-111.	0.3	2
6386	Changes in soil microbial community structure and function following degradation in a temperate grassland. <i>Journal of Plant Ecology</i> , 2021, 14, 384-397.	1.2	41
6387	Soil prokaryotic community shows no response to 20 years of simulated nitrogen deposition in an arid ecosystem in northwestern China. <i>Environmental Microbiology</i> , 2021, 23, 1222-1237.	1.8	15
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6391	<i>Pinus sylvestris</i> L. and <i>Fagus sylvatica</i> L. effects on soil and root properties and their interactions in a mixed forest on the Southwestern Pyrenees. <i>Forest Ecology and Management</i> , 2021, 481, 118726.	1.4	15
6392	Rhizosphere priming regulates soil organic carbon and nitrogen mineralization: The significance of abiotic mechanisms. <i>Geoderma</i> , 2021, 385, 114877.	2.3	43
6393	Coupling the resource stoichiometry and microbial biomass turnover to predict nutrient mineralization and immobilization in soil. <i>Geoderma</i> , 2021, 385, 114884.	2.3	26
6394	Effects of crop rotation on enhanced occurrence of arbuscular mycorrhizal fungi and soil carbon stocks of lowland paddy fields in seasonally dry tropics. <i>Paddy and Water Environment</i> , 2021, 19, 217-226.	1.0	5
6395	Biochemical activity and microbial biomass in wetlands (Vereda) and well-drained soils under native vegetation types in Brazilian Cerrado. <i>Applied Soil Ecology</i> , 2021, 160, 103840.	2.1	4
6396	Pastureland intensification and diversification in Brazil mediate soil bacterial community structure changes and soil C accumulation. <i>Applied Soil Ecology</i> , 2021, 160, 103858.	2.1	8
6397	Extracellular enzyme activity and stoichiometry: The effect of soil microbial element limitation during leaf litter decomposition. <i>Ecological Indicators</i> , 2021, 121, 107200.	2.6	75
6398	Straw incorporation plus biochar addition improved the soil quality index focused on enhancing crop yield and alleviating global warming potential. <i>Environmental Technology and Innovation</i> , 2021, 21, 101316.	3.0	8
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6400	Bacteria are more sensitive than fungi to moisture in eroded soil by natural grass vegetation restoration on the Loess Plateau. <i>Science of the Total Environment</i> , 2021, 756, 143899.	3.9	26
6401	Soil aggregate-mediated microbial responses to long-term warming. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108055.	4.2	30
6402	Shifts in microbial and physicochemical parameters associated with increasing soil quality in a tropical Ultisol under high seasonal variation. <i>Soil and Tillage Research</i> , 2021, 206, 104819.	2.6	15
6403	Deepened snow cover alters biotic and abiotic controls on nitrogen loss during non-growing season in temperate grasslands. <i>Biology and Fertility of Soils</i> , 2021, 57, 165-177.	2.3	10
6404	Assessing the Biological Value of Soluble Organic Fractions from Tomato Pomace Digestates. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 301-314.	1.7	3
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6406	Home field advantage describes the carbon and nitrogen dynamics of <i>Cynodon dactylon</i> and <i>Phoenix dactylifera</i> leaf litters in arid sandy soil. <i>Applied Soil Ecology</i> , 2021, 157, 103728.	2.1	7

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6408	Tight coupling of fungal community composition with soil quality in a Chinese fir plantation chronosequence. <i>Land Degradation and Development</i> , 2021, 32, 1164-1178.	1.8	31
6409	Green silver nano-particles: synthesis using rice leaf extract, characterization, efficacy, and non-target effects. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4452-4462.	2.7	10
6410	Spatio-temporal heterogeneity differently drives the diversity of various trophic guilds of mesofauna in semi-arid oak forests. <i>Trees - Structure and Function</i> , 2021, 35, 171-187.	0.9	2
6411	Soil bacterial and fungal communities and associated nutrient cycling in relation to rice cultivation history after reclamation of natural wetland. <i>Land Degradation and Development</i> , 2021, 32, 1287-1300.	1.8	7
6412	Changes in microbial biomass, community composition and diversity, and functioning with soil depth in two alpine ecosystems on the Tibetan plateau. <i>Plant and Soil</i> , 2021, 459, 137-153.	1.8	40
6413	Intraspecific Variability in Root Traits and Edaphic Conditions Influence Soil Microbiomes Across 12 Switchgrass Cultivars. <i>Phytobiomes Journal</i> , 2021, 5, 108-120.	1.4	18
6414	Higher biochar rate strongly reduced decomposition of soil organic matter to enhance C and N sequestration in nutrient-poor alkaline calcareous soil. <i>Journal of Soils and Sediments</i> , 2021, 21, 148-162.	1.5	35
6415	Particulate organic carbon is more vulnerable to nitrogen addition than mineral-associated organic carbon in soil of an alpine meadow. <i>Plant and Soil</i> , 2021, 458, 93-103.	1.8	36
6416	Differences in root exudate inputs and rhizosphere effects on soil N transformation between deciduous and evergreen trees. <i>Plant and Soil</i> , 2021, 458, 277-289.	1.8	40
6417	Long-term application of manure reduced nutrient leaching under heavy N deposition. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 153-162.	1.1	2
6418	Plant size of the alpine cushion <i>Thylacospermum caespitosum</i> affects soil amelioration at different elevations. <i>Plant Ecology</i> , 2021, 222, 323-335.	0.7	8
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6811	Altered microbial CAZyme families indicated dead biomass decomposition following afforestation. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108362.	4.2	17
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6838	Plant carbon inputs through shoot, root, and mycorrhizal pathways affect soil organic carbon turnover differently. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108322.	4.2	51
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6853	Root exudates induce rhizosphere effect benefits for plant N use efficiency and fitness of relatives for <i>Glycine max.</i> <i>Plant and Soil</i> , 2021, 469, 243-258.	1.8	4
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6859	Soil microbial and chemical responses to foliar <i>Epichloa</i> fungal infection in <i>Lolium perenne</i> , <i>Hordeum brevisubulatum</i> and <i>Achnatherum inebrians</i> . <i>Fungal Ecology</i> , 2021, 53, 101091.	0.7	3
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6861	Biochar aging alters the bioavailability of cadmium and microbial activity in acid contaminated soils. <i>Journal of Hazardous Materials</i> , 2021, 420, 126666.	6.5	24
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6864	Stand age, degree of encroachment and soil characteristics modulate changes of C and N cycles in dry grassland soils invaded by the N <sub>2</sub> -fixing shrub <i>Amorpha fruticosa</i> . <i>Science of the Total Environment</i> , 2021, 792, 148295.	3.9	21
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6874	Repeated exposure to fungicide tebuconazole alters the degradation characteristics, soil microbial community and functional profiles. <i>Environmental Pollution</i> , 2021, 287, 117660.	3.7	26
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6881	Biodiversity loss caused by subsurface pipe drainage is difficult to restore. <i>Ecological Engineering</i> , 2021, 170, 106336.	1.6	6
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6891	Effects of in situ freeze-thaw cycles on winter soil respiration in mid-temperate plantation forests. <i>Science of the Total Environment</i> , 2021, 793, 148567.	3.9	17
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7614	Substituting Manure with Rice Husk to Improve Phosphorus Adsorption and Immobilization in High Phosphorus Accumulated Greenhouse Vegetable Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1665-1675.	1.7	2
7615	Climate legacies determine grassland responses to future rainfall regimes. <i>Global Change Biology</i> , 2022, 28, 2639-2656.	4.2	16
7616	Biochar and Compost-Based Integrated Nutrient Management: Potential for Carbon and Microbial Enrichment in Degraded Acidic and Charland Soils. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	2
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7619	Multi-micronutrient foliar fertilization in eggplant under diverse fertility scenarios: Effects on productivity, nutrient biofortification and soil microbial activity. <i>Scientia Horticulturae</i> , 2022, 294, 110781.	1.7	10
7620	Divergent belowground carbon allocation patterns of winter wheat shape rhizosphere microbial communities and nitrogen cycling activities. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108518.	4.2	15
7621	Root exudates shift how N mineralization and N fixation contribute to the plant-available N supply in low fertility soils. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108541.	4.2	50
7622	Dark CO <sub>2</sub> fixation in temperate beech and pine forest soils. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108526.	4.2	11
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7625	Combined bioaugmentation and biostimulation techniques in bioremediation of pentachlorophenol contaminated forest soil. <i>Chemosphere</i> , 2022, 290, 133359.	4.2	11
7626	Addition of iron to agricultural topsoil and subsoil is not an effective C sequestration strategy. <i>Geoderma</i> , 2022, 409, 115646.	2.3	3
7627	Soil aggregation, glomalin and enzyme activities under conservation tilled rice-wheat system in the Indo-Gangetic Plains. <i>Soil and Tillage Research</i> , 2022, 217, 105272.	2.6	5
7628	Characterizing soil microbial properties using MIR spectra across 12 ecoclimatic zones (NEON sites). <i>Geoderma</i> , 2022, 409, 115647.	2.3	4
7629	Development of a soil quality index to evaluate agricultural cropping systems in southern Brazil. <i>Soil and Tillage Research</i> , 2022, 218, 105293.	2.6	16
7630	Negative priming of soil organic matter following long-term in situ warming of sub-arctic soils. <i>Geoderma</i> , 2022, 410, 115652.	2.3	10

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7632	Biochar incorporation increases winter wheat ( <i>Triticum aestivum</i> L.) production with significantly improving soil enzyme activities at jointing stage. <i>Catena</i> , 2022, 211, 105979.	2.2	19
7633	Planted forests intensified soil microbial metabolic nitrogen and phosphorus limitation on the Loess Plateau, China. <i>Catena</i> , 2022, 211, 105982.	2.2	10
7634	Mitigation of soil organic carbon mineralization by soil redistribution - An erosion-deposition plot study under natural rainfall over five years. <i>Agriculture, Ecosystems and Environment</i> , 2022, 327, 107827.	2.5	2
7635	Understanding herbivore-plant-soil feedbacks to improve grazing management on Mediterranean mountain grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2022, 327, 107833.	2.5	12
7636	Nitrogen availability mediates the priming effect of soil organic matter by preferentially altering the straw carbon-assimilating microbial community. <i>Science of the Total Environment</i> , 2022, 815, 152882.	3.9	24
7637	Stoichiometric imbalances and the dynamics of phosphatase activity and the abundance of <i>phoC</i> and <i>phoD</i> genes with the development of <i>Cunninghamia lanceolata</i> (Lamb.) Hook plantations. <i>Applied Soil Ecology</i> , 2022, 173, 104373.	2.1	6
7638	Assessment of Health of Reclaimed Limestone Mine Spoil using Microbial Biomass Carbon as Biological Indicator. <i>Indian Journal of Forestry</i> , 2015, 38, 223-226.	0.1	0
7639	Quality Characterisation of Vermicompost Produced from Crop Residue and Cow Dung. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 776-782.	0.0	0
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7642	Fractionation of Organic Carbon and Stock Measurement in the Sundarbans Mangrove Soils of Bangladesh. <i>American Journal of Climate Change</i> , 2021, 10, 561-580.	0.5	2
7643	Residual activity of sulfentrazone and its impacts on microbial activity and biomass of Brazilian Savanna soils. <i>Pesquisa Agropecuaria Tropical</i> , 0, 51, .	1.0	2
7644	Changes in the Soil Carbon Dioxide Efflux in Forest Ecosystems Caused by Technogenic Pollution in the Kola Subarctic. <i>Eurasian Soil Science</i> , 2021, 54, 1588-1598.	0.5	3
7645	Combined application of animal manure and stover enhance labile organic carbon and benefit the microbial community in dark brown soil. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 519-532.	1.3	3
7646	Can the Biological Activity of Abandoned Soils Be Changed by the Growth of <i>Paulownia elongata</i> – <i>Paulownia fortunei</i> ? Preliminary Study on a Young Tree Plantation. <i>Agriculture (Switzerland)</i> , 2022, 12, 128.	1.4	8
7647	Effects of <i>Epichloa</i> endophytes on litter decomposition—depending on different host species. <i>Plant and Soil</i> , 2022, 471, 715-728.	1.8	3
7648	Response Mechanism of Soil Carbon and Nitrogen Transformation to Polymer Materials Under Drip Irrigation. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1351-1361.	1.7	3

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7650	Elevated atmospheric CO <sub>2</sub> alters the microbial community composition and metabolic potential to mineralize organic phosphorus in the rhizosphere of wheat. <i>Microbiome</i> , 2022, 10, 12.	4.9	24
7651	Spectral and Soil Quality Index for Monitoring Environmental Rehabilitation and Soil Carbon Stock in an Amazonian Sandstone Mine. <i>Sustainability</i> , 2022, 14, 597.	1.6	7
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7653	Effect of species diversity levels and microbial consortium on biomass production, net economic gain, and fertility of marginal land. <i>Land Degradation and Development</i> , 2022, 33, 2960-2971.	1.8	6
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7657	Nitrogen release from pelletized poultry fertilizer in two soils: influence of soil moisture and microbial biomass. <i>Revista Brasileira De Ciencia Do Solo</i> , 2022, 46, .	0.5	3
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7661	Developing biochar and organic nutrient packages/technology as soil policy for enhancing yield and nutrient uptake in maize-black gram cropping system to maintain soil health. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2515-2527.	2.9	15
7662	Planting Systems Affect Soil Microbial Communities and Enzymes Activities Differentially under Drought and Phosphorus Addition. <i>Plants</i> , 2022, 11, 319.	1.6	3
7663	Response of Crop Types and Farming Practices on Soil Microbial Biomass and Community Structure in Tropical Agroecosystem by Lipid Biomarkers. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	1.7	3
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7665	Cotton Stalk Compost as a Substitution to Farmyard Manure Along with Mineral Fertilizers and Microbials Enhanced Bt Cotton Productivity and Fibre Quality in Rainfed Vertisols. <i>Waste and Biomass Valorization</i> , 2022, 13, 2847-2860.	1.8	4
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7669	Increased N <sub>2</sub> emissions from an arable soil four years after biochar application. <i>Journal of Plant Nutrition and Soil Science</i> , 0, , .	1.1	2
7670	Rhizobium Inoculation Enhances the Resistance of Alfalfa and Microbial Characteristics in Copper-Contaminated Soil. <i>Frontiers in Microbiology</i> , 2021, 12, 781831.	1.5	14
7671	Soil biotic and abiotic traits as driven factors for site quality of <i>Araucaria angustifolia</i> plantations. <i>Biologia (Poland)</i> , 2022, 77, 1219-1230.	0.8	7
7672	The Effect of the Conversion from Natural Broadleaved Forests into Chinese fir ( <i>Cunninghamia</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Forests, 2022, 13, 158.	0.9	6
7673	Durum wheat salt stress tolerance is modulated by the interaction between plant genotypes, soil microbial biomass, and enzyme activity. <i>Italian Journal of Agronomy</i> , 0, , .	0.4	2
7674	Conservation Systems Influence on Soil Properties in Pumpkin Production. <i>Soil Science Society of America Journal</i> , 0, , .	1.2	0
7675	Wood Ash Based Treatment of Anaerobic Digestate: State-of-the-Art and Possibilities. <i>Processes</i> , 2022, 10, 147.	1.3	7
7676	Soil microbiota community assembling in native plant species from Brazil's legal Amazon. <i>Symbiosis</i> , 2022, 86, 93-109.	1.2	9
7677	Role of soil biotic and abiotic properties in plant community composition in response to nitrogen addition. <i>Land Degradation and Development</i> , 0, , .	1.8	2
7678	Responses of N-Cycling Enzyme Activities and Functional Diversity of Soil Microorganisms to Soil Depth, Pedogenic Processes and Cultivated Plants. <i>Agronomy</i> , 2022, 12, 264.	1.3	14
7679	Using Biochar and Vermiwash to Improve Biological Activities of Soil. <i>Agriculture (Switzerland)</i> , 2022, 12, 178.	1.4	7
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7681	Soil phosphorus status and P nutrition strategies of European beech forests on carbonate compared to silicate parent material. <i>Biogeochemistry</i> , 2022, 158, 39-72.	1.7	11
7682	The Evolution of Ecological Diversity in Acidobacteria. <i>Frontiers in Microbiology</i> , 2022, 13, 715637.	1.5	15
7683	Variations in the community patterns of soil nematodes at different soil depths across successional stages of subalpine forests. <i>Ecological Indicators</i> , 2022, 136, 108624.	2.6	7
7684	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. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108559.	4.2	4

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7686	Soil pore architecture and rhizosphere legacy define N <sub>2</sub> O production in root detritusphere. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108565.	4.2	16
7687	Understory vegetation interacts with nitrogen addition to affect soil phosphorus transformations in a nutrient-poor <i>Pinus sylvestris</i> var. <i>mongolica</i> plantation. <i>Forest Ecology and Management</i> , 2022, 507, 120026.	1.4	6
7688	Green manuring and crop residue management: Effect on soil organic carbon stock, aggregation, and system productivity in the foothills of Eastern Himalaya (India). <i>Soil and Tillage Research</i> , 2022, 218, 105318.	2.6	28
7689	Global patterns and predictors of soil microbial biomass carbon, nitrogen, and phosphorus in terrestrial ecosystems. <i>Catena</i> , 2022, 211, 106037.	2.2	31
7690	Animal manures and plant residue-based amendments for sustainable rice-wheat production and soil fertility improvement in eastern Uttar Pradesh, North India. <i>Ecological Engineering</i> , 2022, 177, 106551.	1.6	8
7691	Addition of walnut shells biochar to alkaline arable soil caused contradictory effects on CO <sub>2</sub> and N <sub>2</sub> O emissions, nutrients availability, and enzymes activity. <i>Chemosphere</i> , 2022, 293, 133476.	4.2	12
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7695	Soil surface management of legume cover has the potential to mitigate nitrous oxide emissions from the fallow season during wheat production. <i>Science of the Total Environment</i> , 2022, 820, 153352.	3.9	3
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7697	Soil Total Nitrogen and Dissolved Organic Carbon Contents Drive Changes in the Soil Microbial Community of <i>Sophora Moorcroftiana</i> Shrubs in the Middle Reaches of the Yarlung Zangbo River, Southern Tibetan Plateau. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7698	Mineral biofortification of vegetables through soil-applied poultry mortality compost. <i>PLoS ONE</i> , 2022, 17, e0262812.	1.1	2
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7700	Multivariate evaluation of watershed health based on longitudinal pasture management. <i>Science of the Total Environment</i> , 2022, 824, 153725.	3.9	7
7701	Soil acidification induced decline disease of <i>Myrica rubra</i> : aluminum toxicity and bacterial community response analyses. <i>Environmental Science and Pollution Research</i> , 2022, 29, 45435-45448.	2.7	6
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7704	Restoration of Degraded Sodic Soils through Silvopastoral Systems in Indo-Gangetic Plains. <i>Land Degradation and Development</i> , 0, , .	1.8	5
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7706	Precipitation Alters the Effects of Temperature on the Ecosystem Multifunctionality in Alpine Meadows. <i>Frontiers in Plant Science</i> , 2021, 12, 824296.	1.7	13
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7708	Impact of Combining Long-Term Subsoiling and Organic Fertilizer on Soil Microbial Biomass Carbon and Nitrogen, Soil Enzyme Activity, and Water Use of Winter Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 788651.	1.7	14
7709	Structure and function of soil microbial communities in fertile islands in austral drylands. <i>Austral Ecology</i> , 2022, 47, 663-673.	0.7	3
7710	Conservation agriculture based integrated crop management sustains productivity and economic profitability along with soil properties of the maize-wheat rotation. <i>Scientific Reports</i> , 2022, 12, 1962.	1.6	12
7711	Comparison of soil characteristics related to C and N processes in Eastern Hungarian and Central Japanese soils under different land use and nutrient supply. <i>Soil Science and Plant Nutrition</i> , 2022, 68, 88-98.	0.8	2
7712	Impacts of Elevated Atmospheric CO <sub>2</sub> and N Fertilization on N <sub>2</sub> O Emissions and Dynamics of Associated Soil Labile C Components and Mineral N in a Maize Field in the North China Plain. <i>Agronomy</i> , 2022, 12, 432.	1.3	8
7713	The Effects of Rabbit Manure-Derived Biochar on Soil Health and Quality Attributes of Two Mine Tailings. <i>Sustainability</i> , 2022, 14, 1866.	1.6	5
7714	Persistent soil carbon enhanced in Mollisols by well-managed grasslands but not annual grain or dairy forage cropping systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	60
7715	Changes in soil bacterial communities and nitrogen mineralization with understory vegetation in boreal larch forests. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108572.	4.2	23
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7717	Distribution of sequestered carbon in different pools in Alfisols under long-term groundnut system of hot arid region of India. <i>European Journal of Agronomy</i> , 2022, 135, 126467.	1.9	6
7718	Aridity influences root versus shoot contributions to steppe grassland soil carbon stock and its stability. <i>Geoderma</i> , 2022, 413, 115744.	2.3	8
7719	Effects of different carbon sources on methane production and the methanogenic communities in iron rich flooded paddy soil. <i>Science of the Total Environment</i> , 2022, 823, 153636.	3.9	20
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7726	Biochar Enriched with Buffalo Slurry Improved Soil Nitrogen and Carbon Dynamics, Nutrient Uptake and Growth Attributes of Wheat by Reducing Leaching Losses of Nutrients. <i>Land</i> , 2021, 10, 1392.	1.2	9
7728	Effects of Remediation Agents on Microbial Community Structure and Function in Soil Aggregates Contaminated with Heavy Metals. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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7731	Changes in Litter Input Exert Divergent Effects on the Soil Microbial Community and Function in Stands of Different Densities. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7732	Biochar, slag and ferrous manganese ore affect lead, cadmium and antioxidant enzymes in water		

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7745	Epichloa Fungal Endophytes Have More Host-Dependent Effects on the Soil Microenvironment than on the Initial Litter Quality. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 237.	1.5	2
7746	Drip Fertigated Planting Systems with Polythene Mulching on Cauliflower and Eggplant Cropping Systems in Hot and Subhumid Climate: Impact on Soil Health and Crop Yield. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1261-1276.	0.6	0
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7748	Effect of contrasting phosphorus levels on nitrous oxide and carbon dioxide emissions from temperate grassland soils. <i>Scientific Reports</i> , 2022, 12, 2602.	1.6	10
7749	Changes in microbial biomass and activity support ecological intensification of marginal land through cultivation of perennial wheat in organic agriculture. <i>Biological Agriculture and Horticulture</i> , 2022, 38, 202-215.	0.5	4
7750	Functional Genetic Diversity and Plant Growth Promoting Potential of Polyphosphate Accumulating Bacteria in Soil. <i>Microbiology Spectrum</i> , 2022, 10, e0034521.	1.2	6
7751	Response of Functional Diversity of Soil Microbial Community to Forest Cutting and Regeneration Methodology in a Chinese Fir Plantation. <i>Forests</i> , 2022, 13, 360.	0.9	7
7752	Harnessing Agricultural Potential of Degraded Alkaline Soils through Combined Use of Municipal Solid Waste Compost and Inorganic Amendments. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1026-1038.	0.6	0
7753	Priming effect in semi-arid soils of northern Ethiopia under different land use types. <i>Biogeochemistry</i> , 2022, 158, 383-403.	1.7	4
7754	Soil Chemical Properties and Microbial Biomass Respond during Land Use Change. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 985, 012032.	0.2	0
7755	Straw Incorporation Effects on Net Photosynthetic Carbon Assimilation and Maize Growth. <i>Frontiers in Agronomy</i> , 2022, 4, .	1.5	0
7756	Effects of Nitrogen and Phosphorus Addition on Soil Extracellular Enzyme Activity and Stoichiometry in Chinese Fir ( <i>Cunninghamia lanceolata</i> ) Forests. <i>Frontiers in Plant Science</i> , 2022, 13, 834184.	1.7	13
7757	Polycyclic aromatic hydrocarbons accumulation in soil horizons of different temperate forest stands. <i>Land Degradation and Development</i> , 2022, 33, 945-959.	1.8	6
7758	Long-term fertilization effects on soil biotic communities are mediated by plant diversity in a Tibetan alpine meadow. <i>Plant and Soil</i> , 2022, 474, 525-540.	1.8	6
7759	Role of pyrolysis temperature on application dose of rice straw biochar as soil amendment. <i>Environmental Sustainability</i> , 2022, 5, 119-128.	1.4	1
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7763	Effects of rainfall frequency on soil labile carbon fractions in a wet meadow on the Qinghai-Tibet Plateau. <i>Journal of Soils and Sediments</i> , 2022, 22, 1489-1499.	1.5	6
7764	Soil respiration response to nitrogen fertilization experiment in tropical grassland. <i>Ecological Research</i> , 2022, 37, 390-405.	0.7	2
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7990	Rotation cropping and organic fertilizer jointly promote soil health and crop production. <i>Journal of Environmental Management</i> , 2022, 315, 115190.	3.8	19
7991	Contrasting patterns of microbial nutrient limitations between rhizosphere and bulk soil during stump sprout restoration in a clear-cut oak forest. <i>Forest Ecology and Management</i> , 2022, 515, 120241.	1.4	5
7992	Nitrogen fertilization degrades soil aggregation by increasing ammonium ions and decreasing biological binding agents on a Vertisol after 12 years. <i>Pedosphere</i> , 2022, 32, 629-636.	2.1	8
7993	Copiotrophic taxa in pig manure mitigate nitrogen limitation of soil microbial communities. <i>Chemosphere</i> , 2022, 301, 134812.	4.2	7
7994	Recycling of agricultural (orange and olive) bio-wastes into ecofriendly fertilizers for improving soil and garlic quality. <i>Resources, Conservation &amp; Recycling Advances</i> , 2022, 15, 200083.	1.1	2
7995	Zero-valent iron nanoparticles and organic amendment assisted rhizoremediation of mixed contaminated soil using <i>Brassica napus</i> . <i>Environmental Technology and Innovation</i> , 2022, 28, 102621.	3.0	10
7996	Plant-microbial linkages regulate soil organic carbon dynamics under phosphorus application in a typical temperate grassland in northern China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 335, 108006.	2.5	19
7997	Disentangling carbon stabilization in a Calcisol subsoil amended with iron oxyhydroxides: A dual- <sup>13</sup> C isotope approach. <i>Soil Biology and Biochemistry</i> , 2022, , 108711.	4.2	2
7998	Effects and Relationships of Compost Dose and Organic Additives on Compost Tea Properties, Efficacy Against <i>Fusarium oxysporum</i> and Potential Effect on Endomycorrhization and Growth of <i>Zea mays</i> L.. <i>Waste and Biomass Valorization</i> , 2022, 13, 4431-4445.	1.8	5
7999	Nematode contributions to the soil food web trophic structure of two contrasting boreal peatlands in Canada. <i>Pedobiologia</i> , 2022, 93-94, 150809.	0.5	7
8000	Deepened snow loosens temporal coupling between plant and microbial N utilization and induces ecosystem N losses. <i>Global Change Biology</i> , 2022, 28, 4655-4667.	4.2	7
8001	Effect of fire on physicochemical and biological properties of soil under different plantations of rock phosphate mined area in Doon valley, India. <i>Indian Journal of Forestry</i> , 2011, 34, 403-408.	0.1	0
8002	Soil health within transitions from irrigation to limited irrigation and dryland management. <i>Agricultural and Environmental Letters</i> , 2022, 7, .	0.8	4
8003	Facile coating of micronutrient zinc for slow release urea and its agronomic effects on field grown wheat ( <i>Triticum aestivum</i> L.). <i>Science of the Total Environment</i> , 2022, 838, 155965.	3.9	14
8004	Insights into the associations between soil quality and ecosystem multifunctionality driven by fertilization management: A case study from the North China Plain. <i>Journal of Cleaner Production</i> , 2022, 362, 132265.	4.6	48
8005	Different variations in soil CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O fluxes and their responses to edaphic factors along a boreal secondary forest successional trajectory. <i>Science of the Total Environment</i> , 2022, 838, 155983.	3.9	10
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8007	Effects of microbial organic fertilizer (MOF) application on cadmium uptake of rice in acidic paddy soil: Regulation of the iron oxides driven by the soil microorganisms. <i>Environmental Pollution</i> , 2022, 307, 119447.	3.7	20
8008	Improved ginseng production under continuous cropping through soil health reinforcement and rhizosphere microbial manipulation with biochar: a field study of <i>Panax ginseng</i> from Northeast China. <i>Horticulture Research</i> , 2022, 9, .	2.9	15
8009	Effects of Nitrogen and Phosphorus Additions on Soil N <sub>2</sub> O Emissions and CH <sub>4</sub> Uptake in a Phosphorus-Limited Subtropical Chinese Fir Plantation. <i>Forests</i> , 2022, 13, 772.	0.9	4
8010	Nitrogen uptake by plants may alleviate N deposition-induced increase in soil N <sub>2</sub> O emissions in subtropical Chinese fir ( <i>Cunninghamia lanceolata</i> ) plantations. <i>Plant and Soil</i> , 2022, 479, 127-142.	1.8	3
8011	Effects of water regimes on soil N <sub>2</sub> O, CH <sub>4</sub> and CO <sub>2</sub> emissions following addition of dicyandiamide and N fertilizer. <i>Environmental Research</i> , 2022, 212, 113544.	3.7	17
8012	Variations in Plant Water Use Efficiency Response to Manipulated Precipitation in a Temperate Grassland. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	3
8013	N <sub>2</sub> fixation per unit microbial biomass increases with aridity. <i>Soil Biology and Biochemistry</i> , 2022, , 108733.	4.2	2
8014	Effect of different decay classes of Eucalyptus stump substrates on microbial resource limitation and carbon-use efficiency. <i>Plant and Soil</i> , 2022, 478, 651-669.	1.8	6
8015	Patterns of enzyme activities and nutrient availability within biocrusts under increasing aridity in Negev desert. <i>Ecosphere</i> , 2022, 13, .	1.0	5
8016	Assessing soil quality of pasture and agriculture land uses in Shandiz county, northwestern Iran. <i>Ecological Indicators</i> , 2022, 139, 108974.	2.6	15
8017	Dynamic characteristics of soil aggregate stability and related carbon and nitrogen pools at different developmental stages of plantations in northern China. <i>Journal of Environmental Management</i> , 2022, 316, 115283.	3.8	12
8018	Contribution of rhizodeposit associated microbial groups to SOC varies with maize growth stages. <i>Geoderma</i> , 2022, 422, 115947.	2.3	4
8019	Stronger Response of Epigeic Compared to Edaphic Macrofauna to Land-Use Change. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8020	Different Mechanisms Driving Increasing Abundance of Microbial Functional Gene Groups Related to Phosphorus Cycle Along an Elevational Gradient. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8021	Effects of Spatial Variability and Drainage on Extracellular Enzyme Activity in Coastal Freshwater Forested Wetlands of Eastern North Carolina, USA. <i>Forests</i> , 2022, 13, 861.	0.9	1
8022	Responses of Fungal Community Structure and Functional Composition to Short-Term Fertilization and Dry Season Irrigation in <i>Eucalyptus urophylla</i> — <i>Eucalyptus grandis</i> Plantation Soils. <i>Forests</i> , 2022, 13, 854.	0.9	3
8023	Mulching impact of <i>Jatropha curcas</i> L. leaves on soil fertility and yield of wheat under water stress. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8024	The Rhizosphere Microbial Index Reflects the Optimal Restoration Pattern and the Nutrient Preference of Rhizosphere Microbes of Typical Plants in a Desertified Environment. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	1.7	0

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8026	Multi-cutting and sheep excrement influence plant growth and soil nitrogen mineralization in sown grassland. <i>Plant and Soil</i> , 2022, 478, 533-544.	1.8	2
8027	Effect of mineral and organic fertilizers on some soil chemical and biological properties in a 90-year-old long-term experiment. <i>Agrokemia Es Talajtan</i> , 2022, , .	0.1	0
8028	Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 123, 83-104.	1.1	6
8029	Impact of Long Term Nutrient Management on Soil Quality Indices in Rice-Wheat System of Lower Indo-Gangetic Plain. <i>Sustainability</i> , 2022, 14, 6533.	1.6	2
8030	Microbial functional diversity in rhizosphere and non-rhizosphere soil of different dominant species in a vegetation concrete slope. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 379-388.	0.5	7
8031	Influence of addition of two typical activated carbons on fertility properties and mechanical strength of vegetation concrete under freeze-thaw conditions. <i>Science of the Total Environment</i> , 2022, 838, 156446.	3.9	6
8032	Levels and variations of soil bioavailable nitrogen among forests under high atmospheric nitrogen deposition. <i>Science of the Total Environment</i> , 2022, 838, 156405.	3.9	5
8033	Mountain sheep grazing systems provide multiple ecological, socio-economic, and food quality benefits. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	6
8034	Climate-induced shifts in composition and protection regulate temperature sensitivity of carbon decomposition through soil profile. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108743.	4.2	14
8035	Repeated litter inputs promoted stable soil organic carbon formation by increasing fungal dominance and carbon use efficiency. <i>Biology and Fertility of Soils</i> , 2022, 58, 619-631.	2.3	19
8036	Microplastic additions alter soil organic matter stability and bacterial community under varying temperature in two contrasting soils. <i>Science of the Total Environment</i> , 2022, 838, 156471.	3.9	40
8037	The negative effect of Chinese fir ( <i>Cunninghamia lanceolata</i> ) monoculture plantations on soil physicochemical properties, microbial biomass, fungal communities, and enzymatic activities. <i>Forest Ecology and Management</i> , 2022, 519, 120297.	1.4	31
8038	Soil microbial biomass C:N:P stoichiometry is driven more by climate, soil properties and plant traits than by N enrichment in a desert steppe. <i>Catena</i> , 2022, 216, 106402.	2.2	5
8039	Relationships of priming effects with organic amendment composition and soil microbial properties. <i>Geoderma</i> , 2022, 422, 115951.	2.3	10
8040	Phosphorus and potassium supplementing bio-mineral fertilizer augments soil fertility and improves fruit yield and quality of pomegranate. <i>Scientia Horticulturae</i> , 2022, 303, 111234.	1.7	10
8041	Half-a-century effects of a slow-release nitrogen fertilizer, ureaformaldehyde, on stand growth and soil processes in a Scots pine stand. <i>Forest Ecology and Management</i> , 2022, 519, 120320.	1.4	2
8046	Wheat straw return can lead to biogenic toluene emissions. <i>Journal of Environmental Sciences</i> , 2023, 124, 281-290.	3.2	3

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8048	Biochar amendments increase soil organic carbon storage and decrease global warming potentials of soil CH <sub>4</sub> and N <sub>2</sub> O under N addition in a subtropical Moso bamboo plantation. Forest Ecosystems, 2022, 9, 100054.	1.3	4
8049	Deadwood mass and microclimate affect labile soil carbon and nitrogen under thinning of a naturally regenerated oak forest. Soil Research, 2022, , .	0.6	2
8050	Arbuscular Mycorrhizal Fungi and Soil Quality Indicators in Eucalyptus genotypes With Different Drought Tolerance Levels. Frontiers in Fungal Biology, 0, 3, .	0.9	0
8051	Contribution of the Root Component to Soil Respiration in Oriental Beech Stands in Artvin, Turkey. Forest Science, 2022, 68, 399-409.	0.5	3
8052	Phosphorus availability and arbuscular mycorrhizal fungi limit soil C cycling and influence plant responses to elevated CO <sub>2</sub> conditions. Biogeochemistry, 2022, 160, 69-87.	1.7	1
8053	High initial soil organic matter level combined with aboveground plant residues increased microbial carbon use efficiency but accelerated soil priming effect. Biogeochemistry, 2022, 160, 1-15.	1.7	7
8054	Humate Combined with Film-Mulched Ridge-Furrow Tillage Improved Carbon Sequestration in Arid Fluvo-Aquic Soil. Agronomy, 2022, 12, 1398.	1.3	2
8055	Microorganisms Accelerate REE Mineralization in Supergene Environments. Applied and Environmental Microbiology, 2022, 88, .	1.4	9
8056	Changes in growth pattern and rhizospheric soil biochemical properties of a leguminous tree species <i>Leucaena leucocephala</i> under long-term exposure to elevated ozone. 3 Biotech, 2022, 12, .	1.1	1
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8058	Intensive management of a bamboo forest significantly enhanced soil nutrient concentrations but decreased soil microbial biomass and enzyme activity: a long-term chronosequence study. Journal of Soils and Sediments, 2022, 22, 2640-2653.	1.5	2
8059	Divergent Trajectory of Soil Autotrophic and Heterotrophic Respiration upon Permafrost Thaw. Environmental Science & Technology, 2022, 56, 10483-10493.	4.6	5
8060	Unexpected microbial metabolic responses to elevated temperatures and nitrogen addition in subarctic soils under different land uses. Biogeochemistry, 2022, 160, 105-125.	1.7	5
8061	Nitrogen fertilization decrease soil CO <sub>2</sub> emission in a rainfed maize field in Northeast China. Environmental Science and Pollution Research, 2022, 29, 81256-81264.	2.7	4
8062	Sedge replacement by grasses accelerates litter decomposition and decreases organic matter formation in alpine meadow soils. Land Degradation and Development, 0, , .	1.8	1
8063	Pre-cultivation with Herbaceous Plants Assists in the Revegetation Process of Iron Mining Tailings with <i>Enterolobium contortisiliquum</i> . Water, Air, and Soil Pollution, 2022, 233, .	1.1	1
8064	Long-term effect of integrated farming systems on soil erosion in hilly micro-watersheds (Indian) Tj ETQq1 1 0.784314 rgBT /Over 1.8	1.8	5

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8066	Tree stratum alteration decreases C use efficiency and the stability of litter decomposition in a sacred fir ( <i>Abies religiosa</i> ) forest. <i>Botanical Sciences</i> , 2022, 100, 857-876.	0.3	2
8067	Can larch- <i>Aralia elata</i> agroforestry systems improve the soil chemical and microbial properties of larch plantations?. <i>Agroforestry Systems</i> , 2022, 96, 885-896.	0.9	4
8068	Integrated nutrient management reduced the nutrient losses and increased crop yield in irrigated wheat. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 1298-1309.	1.3	10
8069	The Diversity and Function of Soil Bacteria and Fungi Under Altered Nitrogen and Rainfall Patterns in a Temperate Steppe. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
8070	Long-term straw return increases biological nitrogen fixation by increasing soil organic carbon and decreasing available nitrogen in rice-rapeseed rotation. <i>Plant and Soil</i> , 2022, 479, 267-279.	1.8	9
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8072	Stumps increased soil respiration in a subtropical Moso bamboo ( <i>Phyllostachys edulis</i> ) plantation under nitrogen addition. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109047.	1.9	4
8073	Carbon nanoparticles improve corn ( <i>Zea mays</i> L.) growth and soil quality: Comparison of foliar spray and soil drench application. <i>Journal of Cleaner Production</i> , 2022, 363, 132630.	4.6	18
8074	Increased microbial carbon and nitrogen use efficiencies under drought stress in a poplar plantation. <i>Forest Ecology and Management</i> , 2022, 519, 120341.	1.4	5
8075	The persistence and efficacy of nitrification inhibitors to mitigate nitrous oxide emissions from New Zealand pasture soils amended with urine. <i>Geoderma Regional</i> , 2022, 30, e00541.	0.9	5
8076	Land-use change reduces soil nitrogen retention of both particulate and mineral-associated organic matter in a temperate grassland. <i>Catena</i> , 2022, 216, 106432.	2.2	2
8077	Sugarcane root exudate impact on the potential nitrification rate and N dynamics in the rhizosphere. <i>Rhizosphere</i> , 2022, 23, 100551.	1.4	1
8078	Effects of common European tree species on soil microbial resource limitation, microbial communities and soil carbon. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108754.	4.2	16
8079	Changes in soil prokaryotic communities and nitrogen cycling functions along a groundwater table drawdown gradient in desert wetlands. <i>Science of the Total Environment</i> , 2022, 842, 156868.	3.9	14
8080	Direct and indirect plant-soil interactions in a semi-arid Mediterranean shrubland (NE Spain). <i>Journal of Arid Environments</i> , 2022, 205, 104804.	1.2	0
8081	Erosion-deposition positively reconstruct the bacterial community and negatively weaken the fungal community. <i>Catena</i> , 2022, 217, 106471.	2.2	8
8082	Loss of plant functional groups impacts soil carbon flow by changing multitrophic interactions within soil micro-food webs. <i>Applied Soil Ecology</i> , 2022, 178, 104566.	2.1	6

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8084	Legume Winter Cover Crop (Persian Clover) Reduces Nitrogen Requirement and Increases Grain Yield in Specialized Irrigated Hybrid Rice System. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8085	Total and labile pools of organic carbon in relation to soil biological properties under contrasting land-use systems in a dry mountainous region. <i>Carbon Management</i> , 2022, 13, 352-371.	1.2	9
8086	Microbial Biomass C:N:P as a Better Indicator than Soil and Ecoenzymatic C:N:P for Microbial Nutrient Limitation and C Dynamics in Zoige Plateau Peatland Soils. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8087	Nitrous Oxide Emission and Denitrifier Abundance Following Glyphosate Application to Signal Grass Grown in Highly Weathered Tropical Soils. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8088	Long-Term Nitrogen and Straw Application Improves Wheat Production and Soil Organic Carbon Sequestration. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3364-3376.	1.7	2
8089	Plastic Film Mulching Improved Maize Yield, Water Use Efficiency, and N Use Efficiency under Dryland Farming System in Northeast China. <i>Plants</i> , 2022, 11, 1710.	1.6	1
8090	Evaluation of a Compost Prepared with Biodegradable Waste from Aquaculture Production. <i>Communications in Soil Science and Plant Analysis</i> , 0, , 1-11.	0.6	0
8091	The Effects of Conservation Tillage on Chemical and Microbial Soil Parameters at Four Sites across Europe. <i>Plants</i> , 2022, 11, 1747.	1.6	9
8092	Biomass residues improve soil chemical and biological properties reestablishing native species in an exposed subsoil in Brazilian Cerrado. <i>PLoS ONE</i> , 2022, 17, e0270215.	1.1	5
8093	High-level nitrogen additions accelerate soil respiration reduction over time in a boreal forest. <i>Ecology Letters</i> , 2022, 25, 1869-1878.	3.0	15
8094	Diversified production systems in sandy soils of the Brazilian Cerrado: nutrient dynamics and soybean productivity. <i>Journal of Plant Nutrition</i> , 2023, 46, 1650-1667.	0.9	1
8095	Changes in soil organic carbon and its fractions under grassland reclamation in alpine-cold soils, China. <i>Soil and Water Research</i> , 2022, 17, 211-221.	0.7	1
8096	Linkage between microbial functional genes and net N mineralisation in forest soils along an elevational gradient. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	7
8097	Cambisol Mycobiome in a Long-Term Field Experiment with Korean Pine as a Sole Edificator: A Case Study. <i>Applied Microbiology</i> , 2022, 2, 470-480.	0.7	0
8098	Biocrust diazotrophs and bacteria rather than fungi are sensitive to chronic low N deposition. <i>Environmental Microbiology</i> , 2022, 24, 5450-5466.	1.8	1
8099	Interaction of soil microbial communities and phosphorus fractions under long-term fertilization in paddy soil. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2134-2144.	1.7	8
8100	Increasing calcium scarcity along Afrotropical forest succession. <i>Nature Ecology and Evolution</i> , 2022, 6, 1122-1131.	3.4	19



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8102	Sunflower Seed Husk as Promising By-Product for Soil Biodisinfestation Treatments and Fertility Improvement in Protected Lettuce Crop. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	2
8103	Nutrient (C, N and P) enrichment induces significant changes in the soil metabolite profile and microbial carbon partitioning. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108779.	4.2	33
8104	Residual Soil Fertility, Nutrient Uptake, and Yield of Okra as Affected by Bioorganic Nutrient Sources. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 2853-2866.	0.6	4
8105	Changes in litter input exert divergent effects on the soil microbial community and function in stands of different densities. <i>Science of the Total Environment</i> , 2022, 845, 157297.	3.9	16
8106	Responses of soil respiration to simulated groundwater table and salinity fluctuations in tidal freshwater, brackish and salt marshes. <i>Journal of Hydrology</i> , 2022, 612, 128215.	2.3	3
8107	Long-term cultivation of <i>Miscanthus</i> and switchgrass accelerates soil organic carbon accumulation by decreasing carbon mineralization in infertile red soil. <i>GCB Bioenergy</i> , 2022, 14, 1065-1077.	2.5	3
8108	Optimising soil P levels reduces $\text{N}_2\text{O}$ emissions in grazing systems under different N fertilisation. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	1
8109	Eco-friendly approach to improve traits of winter wheat by combining cold plasma treatments and carbonization of subtropical biomass waste. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
8110	Simultaneous measurements of dissolved organic carbon and soil respiration reveal reduced soil carbon loss under nitrogen addition in a montane forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 0, , .	1.3	0
8111	Rhizosphere Effects along an Altitudinal Gradient of the Changbai Mountain, China. <i>Forests</i> , 2022, 13, 1104.	0.9	1
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8115	Responses of phosphorus flux in the sediment-water interface to C:N:P stoichiometry of different sediment components following temperature warming in steppe wetland, China. <i>Journal of Soils and Sediments</i> , 2022, 22, 2802-2814.	1.5	2
8116	Reuniting the Three Sisters: collaborative science with Native growers to improve soil and community health. <i>Agriculture and Human Values</i> , 2023, 40, 65-82.	1.7	6
8118	Response of soil microbial activities and ammonia oxidation potential to environmental factors in a typical antimony mining area. <i>Journal of Environmental Sciences</i> , 2023, 127, 767-779.	3.2	10
8119	Summer sunlight impacts carbon turnover in a spatially heterogeneous Patagonian woodland. <i>Plant and Soil</i> , 0, , .	1.8	0
8120	Implementation of different forest management methods in a natural forest: Changes in soil microbial biomass and enzyme activities. <i>Forest Ecology and Management</i> , 2022, 520, 120409.	1.4	5

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8122	Different factors control organic matter degradation in bulk and rhizosphere soil from the top- and subsoils of three forest stands. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108775.	4.2	6
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8124	Effects of no-tillage on greenhouse gas emissions in maize fields in a semi-humid temperate climate region. <i>Environmental Pollution</i> , 2022, 309, 119747.	3.7	7
8125	Influence of earthworms on the microbial properties and extracellular enzyme activities during vermicomposting of raw and distilled grape marc. <i>Journal of Environmental Management</i> , 2022, 319, 115654.	3.8	5
8126	Climate warming weakens the negative effect of nitrogen addition on the microbial contribution to soil carbon pool in an alpine meadow. <i>Catena</i> , 2022, 217, 106513.	2.2	4
8127	Cover cropping and chemical fertilizer seasonally mediate microbial carbon and phosphorus metabolisms in an apple orchard: Evidence from the enzymatic stoichiometry method. <i>Applied Soil Ecology</i> , 2022, 178, 104579.	2.1	4
8128	Biorecovery of olive mill wastewater sludge from evaporation ponds. <i>Journal of Environmental Management</i> , 2022, 319, 115647.	3.8	3
8129	Short-term effects of burn severity on ecosystem multifunctionality in the northwest Iberian Peninsula. <i>Science of the Total Environment</i> , 2022, 844, 157193.	3.9	10
8130	Planting density affects soil quality in the deep soils of pine plantations. <i>Applied Soil Ecology</i> , 2022, 178, 104572.	2.1	1
8131	Effects of remediation agents on microbial community structure and function in soil aggregates contaminated with heavy metals. <i>Geoderma</i> , 2022, 425, 116030.	2.3	9
8132	Adaptive multi-paddock grazing increases soil nutrient availability and bacteria to fungi ratio in grassland soils. <i>Applied Soil Ecology</i> , 2022, 179, 104590.	2.1	7
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8134	Extracellular enzyme stoichiometry reflects the metabolic C-and P-limitations along a grassland succession on the Loess Plateau in China. <i>Applied Soil Ecology</i> , 2022, 179, 104594.	2.1	6
8135	The relationships of bacterial-feeding nematodes, phoD-harboring bacteria and alkaline phosphomonoesterase activity under the combined application of organic and inorganic fertilizers in an alkaline soil. <i>Applied Soil Ecology</i> , 2022, 179, 104595.	2.1	3
8136	Zonations and oscillations via heterotrophic processes in tidal unvegetated aquifers. <i>Hydrological Processes</i> , 0, , .	1.1	1
8137	Microplastics persist in an arable soil but do not affect soil microbial biomass, enzyme activities, and crop yield. <i>Journal of Plant Nutrition and Soil Science</i> , 2022, 185, 836-849.	1.1	7
8138	Effect of Straw and Wood Ash on Soil Carbon Sequestration and Bacterial Community in a Calcareous Soil. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2

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8140	Co-inoculation of biochar and arbuscular mycorrhizae for growth promotion and nutrient fortification in soybean under drought conditions. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	21
8141	Plastic mulching significantly improves soil enzyme and microbial activities without mitigating gaseous N emissions in winter wheat-summer maize rotations. <i>Field Crops Research</i> , 2022, 286, 108630.	2.3	11
8142	Mineralisation and nitrification of biuret and urea nitrogen in two New Zealand forest soils. <i>Soil Research</i> , 2023, 61, 37-46.	0.6	1
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8149	Effects of Grazing Sheep and Mowing on Grassland Vegetation Community and Soil Microbial Activity under Different Levels of Nitrogen Deposition. <i>Agriculture (Switzerland)</i> , 2022, 12, 1133.	1.4	0
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8151	Fungal Communities Are More Sensitive to the Simulated Environmental Changes than Bacterial Communities in a Subtropical Forest: the Single and Interactive Effects of Nitrogen Addition and Precipitation Seasonality Change. <i>Microbial Ecology</i> , 2023, 86, 521-535.	1.4	10
8153	Soil Quality Index as Affected by Integrated Nutrient Management in the Himalayan Foothills. <i>Agronomy</i> , 2022, 12, 1870.	1.3	1
8154	Hot Moments of N <sub>2</sub> O Emission Under Water and Nitrogen Management in Three Types of Steppe. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	2
8155	Coupled of carbon and nitrogen mineralization in rhizosphere soils along a temperate forest altitudinal gradient. <i>Plant and Soil</i> , 0, , .	1.8	3
8156	Changes to bacterial communities and soil metabolites in an apple orchard as a legacy effect of different intercropping plants and soil management practices. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
8157	Continuous Cropping and Fertilization on Vertical Distribution of Major Nutrients, SOC Dynamics Through FT-IR Spectroscopy and Developing Soil Quality Indices Under Sandy Clay Loam Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2023, 54, 356-377.	0.6	3

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8159	Variations of rhizosphere and bulk soil microbial community in successive planting of Chinese fir ( <i>Cunninghamia lanceolata</i> ). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
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8161	Soil warming during winter period enhanced soil N and P availability and leaching in alpine grasslands: A transplant study. <i>PLoS ONE</i> , 2022, 17, e0272143.	1.1	4
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8167	Drivers of soil respiration across a management intensity gradient in temperate grasslands under drought. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 124, 101-116.	1.1	4
8168	<i>Zanthoxylum bungeanum</i> root-rot associated shifts in microbiomes of root endosphere, rhizosphere, and soil. <i>PeerJ</i> , 0, 10, e13808.	0.9	6
8169	Precipitation and land use alter soil respiration in an Inner Mongolian grassland. <i>Plant and Soil</i> , 2023, 491, 101-114.	1.8	4
8170	Leveraging functional traits of cover crops to coordinate crop productivity and soil health. <i>Journal of Applied Ecology</i> , 2022, 59, 2627-2641.	1.9	17
8171	Assessment of soil enzymatic resilience in chlorpyrifos contaminated soils by biochar aided <i>Pelargonium graveolens</i> L. plantation. <i>Environmental Science and Pollution Research</i> , 2023, 30, 7040-7055.	2.7	6
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8173	Response of Wheat Cultivars to Organic and Inorganic Nutrition: Effect on the Yield and Soil Biological Properties. <i>Sustainability</i> , 2022, 14, 9578.	1.6	4
8174	Carbon fluxes within tree-crop-grass agroforestry system: <sup>13</sup> C field labeling and tracing. <i>Biology and Fertility of Soils</i> , 2022, 58, 733-743.	2.3	10
8175	Ectomycorrhizal and non-mycorrhizal rhizosphere fungi increase root-derived C input to soil and modify enzyme activities: A <sup>14</sup> C pulse labelling of <i>Picea abies</i> seedlings. <i>Plant, Cell and Environment</i> , 2022, 45, 3122-3133.	2.8	18

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8178	Fractionation of soil organic carbon in a calcareous soil after long-term tillage and straw residue management. <i>Journal of Integrative Agriculture</i> , 2022, 21, 3611-3625.	1.7	4
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8180	Response of soil carbon fractions and enzyme activities to mowing management on in a coastal wetland of the yellow river delta. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
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8182	Distinct rhizosphere soil responses to nitrogen in relation to microbial biomass and community composition at initial flowering stages of alfalfa cultivars. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
8183	Microbial Carbon Use Efficiency in Coastal Soils Along a Salinity Gradient Revealed by Ecoenzymatic Stoichiometry. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	7
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8185	Mixed application of biochar, maize straw, and nitrogen can improve organic carbon fractions and available nutrients of a sandy soil. <i>Arid Land Research and Management</i> , 2023, 37, 115-133.	0.6	0
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8187	The effect of forest floor on soil microbial and enzyme indices after forest harvesting operations in Hyrcanian deciduous forests. <i>European Journal of Forest Research</i> , 2022, 141, 1013-1027.	1.1	9
8188	Diversified crop rotation improves continuous monocropping eggplant production by altering the soil microbial community and biochemical properties. <i>Plant and Soil</i> , 2022, 480, 603-624.	1.8	7
8189	Partial organic substitution weakens the negative effect of chemical fertilizer on soil micro-food webs. <i>Journal of Integrative Agriculture</i> , 2022, 21, 3037-3050.	1.7	3
8190	Alterations in soil microbial phospholipid fatty acid profile with soil depth following cropland conversion in karst region, southwest China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 1502-1519.	2.7	7
8191	Validation of Soil Test Based Fertilizer Prescription Model for Optimizing the Use of Chemical Fertilizer, Improved Performance of Brinjal ( <i>Solanum melongena</i> L.) and Soil Biological Properties in Sub Tropical Mollisols. <i>Communications in Soil Science and Plant Analysis</i> , 2023, 54, 332-344.	0.6	1
8192	Interactive effects of citric acid and mineral fertilization on soil microbial carbon use efficiency in the rhizosphere of two coniferous species. <i>European Journal of Soil Biology</i> , 2022, 112, 103428.	1.4	1
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8195	Grazing amplifies the stimulating effects of N addition on N <sub>2</sub> O emissions in a temperate meadow steppe. <i>Agriculture, Ecosystems and Environment</i> , 2022, 339, 108143.	2.5	4
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8197	Soil type affects biological phosphorus cycling more than soil management. <i>Geoderma</i> , 2022, 426, 116092.	2.3	2
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8201	Long-term fencing alters the vertical distribution of soil $\delta^{13}C$ and SOC turnover rate: Revealed by MBC- $\delta^{13}C$ . <i>Agriculture, Ecosystems and Environment</i> , 2022, 339, 108119.	2.5	8
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8204	The importance of incorporating soil in the life cycle assessment procedure to improve the sustainability of agricultural management. <i>Catena</i> , 2022, 218, 106563.	2.2	1
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8209	The amelioration of degraded larch ( <i>Larix olgensis</i> ) soil depends on the proportion of <i>Aralia elata</i> litter in larch- <i>A. elata</i> agroforestry systems. <i>Journal of Forestry Research</i> , 0, , .	1.7	1
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8213	Soil organic carbon and its labile pools as modulated by soil microbes under different land use practices in Typic Ustochrepts. <i>Tropical Ecology</i> , 2023, 64, 276-286.	0.6	1
8214	Effects of waterlogging and elevated salinity on the allocation of photosynthetic carbon in estuarine tidal marsh: a mesocosm experiment. <i>Plant and Soil</i> , 2023, 482, 211-227.	1.8	1
8215	Microbial carbon use efficiency along an altitudinal gradient. <i>Soil Biology and Biochemistry</i> , 2022, 173, 108799.	4.2	11
8216	Intercropping regulation of soil phosphorus composition and microbially-driven dynamics facilitates maize phosphorus uptake and productivity improvement. <i>Field Crops Research</i> , 2022, 287, 108666.	2.3	24
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8218	Winter wheat cover crop increased subsoil organic carbon in a long-term cotton cropping system in Tennessee. <i>Soil and Tillage Research</i> , 2022, 224, 105521.	2.6	3
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8220	Effects of decadal nitrogen addition on carbon and nitrogen stocks in different organic matter fractions of typical steppe soils. <i>Ecological Indicators</i> , 2022, 144, 109471.	2.6	4
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8224	Negative priming effect from tree leaf and root residues with contrasting chemical composition. <i>Geoderma</i> , 2022, 427, 116118.	2.3	4
8225	Decreased greenhouse gas intensity of winter wheat production under plastic film mulching in semi-arid areas. <i>Agricultural Water Management</i> , 2022, 274, 107941.	2.4	8
8226	The long-term effects of intensive grazing and silvopastoral systems on soil physicochemical properties, enzymatic activity, and microbial biomass. <i>Catena</i> , 2022, 219, 106619.	2.2	9
8227	Dominant mycorrhizal association of trees determines soil nitrogen availability in subtropical forests. <i>Geoderma</i> , 2022, 427, 116135.	2.3	6
8228	Decoupled cycling of carbon, nitrogen, and phosphorus in a grassland soil along a hillslope mediated by clay and soil moisture. <i>Catena</i> , 2022, 219, 106648.	2.2	7
8229	Soil warming delays leaf litter decomposition but exerts no effect on litter nutrient release in a subtropical natural forest over 450 days. <i>Geoderma</i> , 2022, 427, 116139.	2.3	8

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8231	Changes in carbon-degrading enzyme activities and microbial biomass content " The effect of soil depth and soil-forming processes. <i>Applied Soil Ecology</i> , 2022, 180, 104629.	2.1	3
8232	Rehabilitation promotes rapid recovery of arbuscular mycorrhizal fungi in iron mining areas. <i>Pedobiologia</i> , 2022, 95, 150838.	0.5	1
8233	Chronic nitrogen enrichment decreases soil gross nitrogen mineralization by acidification in topsoil but by carbon limitation in subsoil. <i>Geoderma</i> , 2022, 428, 116159.	2.3	7
8234	Effects of Fertilization on Soil CO <sub>2</sub> Efflux in Chinese Hickory ( <i>Carya</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	2
8235	Legume winter cover crop (Persian clover) reduces nitrogen requirement and increases grain yield in specialized irrigated hybrid rice system. <i>European Journal of Agronomy</i> , 2023, 142, 126645.	1.9	9
8236	Relationships between geochemical properties and microbial nutrient acquisition in tropical forest and cropland soils. <i>Applied Soil Ecology</i> , 2023, 181, 104653.	2.1	7
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8238	Decreased Greenhouse Gas Intensity of Winter Wheat Production Under Plastic Film Mulching in Semi-Arid Areas. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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8241	Large-Scale Importance of Microbial Nitrogen Use Efficiency to Soil Inorganic Nitrogen Cycling. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8242	Effect of zinc nutrition on economic productivity of rice ( <i>Oryza sativa</i> ) and soil biological properties. , 2022, 92, 420-423.		1
8243	Natural revegetation over 160 years alters carbon and nitrogen sequestration and stabilization in soil organic matter on the Loess Plateau of China. <i>Catena</i> , 2023, 220, 106647.	2.2	5
8244	Microbial endophytes and compost improve plant growth in two contrasting types of hard rock mining waste. <i>International Journal of Phytoremediation</i> , 2023, 25, 781-788.	1.7	2
8245	Nitrogen Fertilization Increases Soil Microbial Biomass and Alters Microbial Composition Especially Under Low Soil Water Availability. <i>Microbial Ecology</i> , 2023, 86, 536-548.	1.4	12
8246	Nitrification in Eutrophic Peat Soils under Different Land-Use Management Practices. <i>Eurasian Soil Science</i> , 2022, 55, 1095-1105.	0.5	0
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8250	Role of zinc-coated urea fertilizers in improving nitrogen use efficiency, soil nutritional status, and nutrient use efficiency of test crops. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	3
8251	Soil quality assessment of paddy fields (in Northern Iran) with different productivities: establishing the critical limits of minimum data set indicators. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	3
8252	Can multi-cropping affect soil microbial stoichiometry and functional diversity, decreasing potential soil-borne pathogens? A study on European organic vegetable cropping systems. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
8253	Microbial diversity declines in warmed tropical soil and respiration rise exceed predictions as communities adapt. <i>Nature Microbiology</i> , 2022, 7, 1650-1660.	5.9	39
8254	Effects of returning corn straw and fermented corn straw to fields on the soil organic carbon pools and humus composition. <i>Soil</i> , 2022, 8, 605-619.	2.2	9
8255	Seasonal precipitation and soil microbial community influence plant growth response to warming and N addition in a desert steppe. <i>Plant and Soil</i> , 2023, 482, 245-259.	1.8	10
8256	Soil organic carbon and biochemical properties affected by tillage, mulching and mineral fertilization under rice-based cropping systems in the Indo-Gangetic Plains. <i>Oryza</i> , 2022, 59, 370-379.	0.2	0
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8258	The conversion of murundu fields into agricultural areas impacts soil attributes after several years of cultivation. <i>Environmental and Sustainability Indicators</i> , 2022, , 100200.	1.7	0
8259	Unraveling the Importance of Forest Structure and Composition Driving Soil Microbial and Enzymatic Responses in the Subtropical Forest Soils. <i>Forests</i> , 2022, 13, 1535.	0.9	6
8260	Nitrogen flow in livestock waste system towards an efficient circular economy in agriculture. <i>Waste Management and Research</i> , 2023, 41, 701-712.	2.2	4
8261	Silvopastoral use of <i>Nothofagus antarctica</i> forests in Patagonia: impact on soil microorganisms. <i>Agroforestry Systems</i> , 2022, 96, 957-968.	0.9	2
8262	Changes in the characteristics of soil dissolved organic matter over time since inter-planting with white clover ( <i>Trifolium repens</i> L.) in apple orchards on the Loess Plateau in China. <i>Plant and Soil</i> , 0, , .	1.8	2
8264	<sup>13</sup> C-Labeled Artificial Root Exudates Are Immediately Respired in a Peat Mesocosm Study. <i>Diversity</i> , 2022, 14, 735.	0.7	2
8265	Long-term organic fertilizer additions elevate soil extracellular enzyme activities and tobacco quality in a tobacco-maize rotation. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
8266	Characteristics of soil microbiota and organic carbon distribution in jackfruit plantation under different fertilization regimes. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
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8271	A distinct sensitivity to the priming effect between labile and stable soil organic carbon. <i>New Phytologist</i> , 2023, 237, 88-99.	3.5	17
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8273	Plant-soil-enzyme C-N-P stoichiometry and microbial nutrient limitation responses to plant-soil feedbacks during community succession: A 3-year pot experiment in China. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
8274	Responses of soil heterotrophic respiration and microbial biomass to organic and conventional production systems. <i>Frontiers in Soil Science</i> , 0, 2, .	0.8	1
8275	Mineral N suppressed priming effect while increasing microbial C use efficiency and N <sub>2</sub> O production in sandy soils under long-term conservation management. <i>Biology and Fertility of Soils</i> , 2022, 58, 903-915.	2.3	11
8276	Fungivorous nematode <i>Aphelenchus avenae</i> and collembola <i>Hypogastrura perplexa</i> alleviate damping-off disease caused by <i>Pythium ultimum</i> in tomato. <i>Plant and Soil</i> , 2023, 482, 175-189.	1.8	3
8277	Temperature sensitivity of dark CO <sub>2</sub> fixation in temperate forest soils. <i>Biogeosciences</i> , 2022, 19, 4011-4028.	1.3	3
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8302	Soil biological properties as influenced by organic nutrient management in soybean ( <i>Glycine max</i> ). , 2021, 91, .		1
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