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## An extraction method for measuring soil microbial biomass C

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#	Paper	IF	Citations
2295	Importance of microbes in peatland dynamics, restoration, and reclamation. 281-316		
2294	Microbial biomass measurements in forest soils: The use of the chloroform fumigation-incubation method in strongly acid soils. <i>Soil Biology and Biochemistry</i> , <b>1987</b> , 19, 697-702	7.5	356
2293	Methods for Studying Soil Organisms. <b>1989</b> , 32-48		2
2292	Fertilizer effects on soil microbial communities and organic matter in the rhizosphere of sitanion hystrix and agropyron smithii. <b>1989</b> , 3, 397-404		10
2291	Prise en compte de la reorganisation d'azote lors de l'estimation de l'azote de la biomasse microbienne avec la methode de fumigation au chloroforme. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 995-1002	7.5	3
2290	Importance of soil water content when estimating soil microbial C, N and P by the fumigation-extraction methods. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 245-253	7.5	80
2289	Evaluation of respiration-based methods for measuring microbial biomass in metal-contaminated acidic mineral and organic soils. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 431-436	7.5	37
2288	Relationship between microbial biomass carbon in soils and absorbance (260 nm) of extracts of fumigated soils. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 457-459	7.5	23
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2141	Impact of agricultural practices on the size and activity of the microbial biomass in a long-term field experiment. <b>1995</b> , 19, 309-316	44
2140	Microbial biomass and activities in partly hydromorphic agricultural and forest soils in the Bornh <sup>^</sup> Ved Lake region of Northern Germany. <b>1995</b> , 19, 343-347	17
2139	Microbial biomass dynamics during the decomposition of leaf litter of poplar and eucalyptus in a sandy loam. <b>1995</b> , 19, 357-362	18
2138	Current methods for measuring microbial biomass C in soil: Potentials and limitations. <b>1995</b> , 19, 87-99	177
2137	Earthworm effects on the use of C sources by microorganisms: Non-linear response to temperature alteration. <b>1995</b> , 19, 109-114	7
2136	Microbial biomass nitrogen pool in soils from a warm temperate grassland, and from deciduous and evergreen forests in Chiba, central Japan. <b>1995</b> , 19, 124-128	13
2135	Carbon and nitrogen relationships in the microbial biomass of soils in beech ( <i>Fagus sylvatica</i> L.) forests. <b>1995</b> , 19, 141-147	120

2134	The short-term effects of cessation of fertiliser applications, liming, and grazing on microbial biomass and activity in a reseeded upland grassland soil. <b>1995</b> , 19, 148-154	51
2133	Seasonal changes in microbial biomass in soils cropped with palmarosa ( <i>Cymbopogon martinii</i> L.) and Japanese mint ( <i>Mentha arvensis</i> L.) in subtropical India. <b>1995</b> , 19, 193-196	10
2132	Examination of microbial biomass in beech forest moder profiles. <b>1995</b> , 19, 209-214	15
2131	Microbial biomass phosphorus in soils of beech ( <i>Fagus sylvatica</i> L.) forests. <b>1995</b> , 19, 215-219	94
2130	Influence of temperature on CO <sub>2</sub> evolution, microbial biomass C and metabolic quotient during the decomposition of two humic forest horizons. <b>1995</b> , 19, 239-245	28
2129	Saprophytic fungal-bacterial biomass variations in successional communities of a semi-arid steppe ecosystem. <b>1995</b> , 19, 253-256	39
2128	The effects of long-term superphosphate application on soil organic matter content and composition from an intensively managed New Zealand pasture. <b>1995</b> , 46, 257-264	23
2127	Effect of sheep, deer and cattle dung on herbage production and soil nutrient content. <b>1995</b> , 50, 263-271	80
2126	Effect of plant residue and fertilizer on grain yield of dryland rice under reduced tillage cultivation. <b>1995</b> , 34, 115-125	20
2125	A simple chamber technique for the in situ labelling of pasture sward with carbon ( <sup>14</sup> C). <b>1995</b> , 26, 1547-1563	5
2124	Native prairie grasses and microbial community responses to reclamation of taconite iron ore tailing. <b>1995</b> , 73, 1645-1654	14
2123	Effect of Straw Composting on the Degradation and Stabilization of Chlorophenols in Soil. <b>1995</b> , 3, 31-37	12
2122	Measurement of Microbial Biomass and Activity in Landfill Soils. <b>1995</b> , 13, 137-147	2
2121	The effect of different soil management procedures on carbon cycle components in an Entic Hapludoll. <b>1995</b> , 26, 2761-2767	2
2120	Effects of copper on the metabolism of <sup>14</sup> C-labeled glucose in soil in relation to amendment with organic materials. <b>1995</b> , 41, 245-252	20
2119	Measurements of Microbial Biomass C and N in Paddy Soils by the Fumigation-Extraction Method. <b>1995</b> , 41, 681-689	24
2118	Clear-cutting and prescribed burning in coniferous forest: Comparison of effects on soil fungal and total microbial biomass, respiration activity and nitrification. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1017-1029	234
2117	Seasonal dynamics of nematode and microbial biomass in soils of riparian-zone forests of the Southern Appalachians. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 79-84	7.5 21

2116	Why is the strength of relationships between pairs of methods for estimating soil microbial biomass often so variable?. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 821-828	7.5	88
2115	Nitrogen turnover and availability during succession from alder to poplar in Alaskan taiga forests. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 743-752	7.5	79
2114	Involvement of clay type and pH in the mechanisms of soil suppressiveness to fusarium wilt of flax. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 955-967	7.5	70
2113	Soil microbial biomass and activity in long-term grassland: Effects of management changes. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 969-975	7.5	202
2112	Microbial biomass associated with water-stable aggregates in forest, savanna and cropland soils of a seasonally dry tropical region, India. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1027-1033	7.5	61
2111	Biomass and activity of microorganisms in a fuel oil contaminated soil. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1137-1143	7.5	54
2110	Biotic manipulation effects on soil carbohydrates and microbial biomass in a cultivated soil. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1127-1135	7.5	32
2109	Soil microbial biomass, C and N mineralization and enzyme activities in a hill pasture: Influence of season and slow-release P and S fertilizer. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1431-1443	7.5	75
2108	Microbial biomass dynamics following addition of metal-enriched sewage sludges to a sandy loam. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1409-1421	7.5	106
2107	Soil pH and organic C dynamics in tropical forest soils: Evidence from laboratory and simulation studies. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1589-1599	7.5	135
2106	<i>Lumbricus terrestris</i> in a soil core experiment: Nutrient-enrichment processes (NEP) and gut-associated processes (GAP) and their effect on microbial biomass and microbial activity. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1573-1580	7.5	72
2105	Microbial utilization of [ <sup>14</sup> C]-labelled straw and [ <sup>13</sup> C]-labelled glucose in soils of contrasting pH and metal status. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1507-1516	7.5	39
2104	Soil microbial biomass in Amazonian soils: Evaluation of methods and estimates of pool sizes. <i>Soil Biology and Biochemistry</i> , <b>1995</b> , 27, 1467-1472	7.5	56
2103	Microbial biomass. <b>1995</b> , 375-417		15
2102	Nitrogen transformations in oil-contaminated, bioremediated, solvent-extracted and uncontaminated soils. <b>1995</b> , 47, 109-118		8
2101	Measurement of microbial biomass and activity in landfill soils. <b>1995</b> , 13, 137-147		1
2100	Soil sampling, handling, storage and analysis. <b>1995</b> , 49-121		41
2099	Effects of above-ground herbivory on soil microbial biomass in conventional and no-tillage agroecosystems. <b>1995</b> , 2, 275-279		46

2098	Factors Affecting Microbial Biomass and Dehydrogenase Activity in Apple Orchard Soils with Heavy Metal Accumulation. <b>1996</b> , 42, 821-831		37
2097	Bestimmung der mikrobiellen Biomasse. <b>1996</b> , 8, 47-48		
2096	The fumigation-extraction method to estimate soil microbial biomass: Calibration of the k <sub>EN</sub> value. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 33-37	7.5	496
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2094	Effect of cattle dung on soil microbial biomass C and N in a permanent pasture soil. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 291-299	7.5	83
2093	Quantification of the microbial biomass by determining ninhydrin-reactive N. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 301-306	7.5	45
2092	Landscape-scale variability of N mineralization in forest soils. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 383-391	7.5	74
2091	Calculating microbial carbon and nitrogen transformations in acid forest litter with <sup>15</sup> N enrichment and dynamic simulation modelling. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 953-965	7.5	19
2090	Evidence for the use of a control in the fumigation-incubation method for measuring microbial biomass carbon in soil. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 511-518	7.5	38
2089	Changes in aggregation do not correspond with changes in labile organic C fractions in soil amended with <sup>14</sup> C-glucose. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 453-462	7.5	42
2088	Comparison of methods to measure microbial biomass in unamended, ryegrass-amended and fumigated soils. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 933-939	7.5	29
2087	C and N mineralization in an acid forest soil along a gap-stand gradient. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 923-932	7.5	44
2086	Effects of two ergosterol-inhibiting fungicides on soil ergosterol and microbial biomass. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 885-892	7.5	26
2085	Adenosine 5'-triphosphate measurements in soils containing recently added glucose. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 1099-1104	7.5	18
2084	Effect of heavy metal contamination on the rate of decomposition of sewage sludge and microbial activity. <b>1996</b> , 11, 331-333		8
2083	Soil microbial activity on exposed mountain ridges in Snowdonia (Eryri), North Wales. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 1533-1536	7.5	11
2082	Microbial community changes in the rhizospheres of white clover and perennial ryegrass exposed to Free Air Carbon dioxide Enrichment (FACE). <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 1717-1724	7.5	105
2081	Soil microbial biomass and mineralisation of soil organic matter after 19 years of cumulative field applications of pesticides. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 1641-1649	7.5	62

2080	Microbial biomass, and C and N mineralization, in litter and mineral soil of adjacent montane ecosystems in a southern beech ( <i>Nothofagus</i> ) forest and a tussock grassland. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 1613-1620	7.5	46
2079	Effect of elevated atmospheric CO <sub>2</sub> concentration on C-partitioning and rhizosphere C-flow for three plant species. <i>Soil Biology and Biochemistry</i> , <b>1996</b> , 28, 195-201	7.5	78
2078	The impact of disturbance on detrital dynamics and soil microbial biomass of a <i>Pinus kesiya</i> forest in north-east India. <b>1996</b> , 88, 273-282		31
2077	Impact of dicyandiamide on the internal nitrogen cycle of a volcanic, silt loam soil receiving effluent. <b>1996</b> , 4, 39-48		23
2076	Earthworm species, population size and biomass under different cropping systems across the Canterbury Plains, New Zealand. <b>1996</b> , 3, 49-57		70
2075	Effects of Carbohydrate Amendments on Nutrient Partitioning, Plant and Microbial Performance of a Grassland-Shrub Ecosystem. <b>1996</b> , 75, 220		38
2074	Ergosterol and microbial biomass relationship in soil. <b>1996</b> , 22, 299-304		252
2073	Influence of polychlorinated biphenyls on microbial biomass and its activity in grassland soil. <b>1996</b> , 22, 243-247		9
2072	The problem of pretreatment and unintentional variations in the fumigation-extraction method for time-course measurements in the field. <b>1996</b> , 22, 167-170		11
2071	Surface cast production by the earthworm <i>Aporrectodea nocturna</i> in a pre-alpine meadow in Switzerland. <b>1996</b> , 22, 171-178		21
2070	Microbial biomass and N transformations in two soils cropped with annual and perennial species. <b>1996</b> , 21, 239-244		24
2069	Assessment of the influence of phosphate fertilizers on the microbial activity of pasture soils. <b>1996</b> , 21, 284-292		30
2068	Microbial biomass and respiratory activity in soil aggregates of different sizes from three beechwood sites on a basalt hill. <b>1996</b> , 21, 69-76		13
2067	Effects of management history and legume green manure on soil microorganisms under 'organic' vegetable production. <b>1996</b> , 34, 427		14
2066	Behaviour of metolachlor and terbuthylazine in cultivated field lysimeters. <b>1996</b> , 159, 177-182		1
2065	The effects of long-term applications of inorganic nitrogen fertilizer on soil nitrogen in the Broadbalk Wheat Experiment. <b>1996</b> , 127, 347-363		89
2064	Denitrification following herbicide application to a grass sward. <b>1996</b> , 76, 15-22		24
2063	Winter cover crops in a vegetable cropping system: Impacts on nitrate leaching, soil water, crop yield, pests and management costs. <b>1996</b> , 59, 1-17		140

2062	Vitality fertilization of Scots pine stands growing along a gradient of heavy metal pollution: short-term effects on microbial biomass and respiration rate of the humus layer. <b>1996</b> , 354, 750-5	14
2061	Microbial activities during composting of spent pig-manure sawdust litter at different moisture contents. <b>1996</b> , 55, 201-206	163
2060	Effects of urine on soil microbial biomass, methanogenesis, nitrification and denitrification in grassland soils. <b>1996</b> , 186, 265-273	50
2059	Effects of cadmium and sewage-sludge on soil microbial biomass and enzyme activities. <b>1996</b> , 56, 141-145	63
2058	Influence of tillage systems on biological properties of a Typic Argiudoll soil under continuous maize in central Argentina. <b>1996</b> , 38, 265-271	18
2057	Microbial biomass C, N and P in two arctic soils and responses to addition of NPK fertilizer and sugar: implications for plant nutrient uptake. <b>1996</b> , 106, 507-515	246
2056	Activity and biomass of soil microorganisms at different depths. <b>1996</b> , 23, 38-42	88
2055	Microbial activity and biomass in mixture treatments of soil and biogenic municipal refuse compost. <b>1996</b> , 23, 43-49	14
2054	Influence of management practices on soil organic matter, microbial biomass and cotton yield in Alabama's "Old Rotation" <b>1996</b> , 23, 353-358	36
2053	Microbial respiration and biomass (substrate-induced respiration) in soils of old-growth and regenerating forests on northern Vancouver Island, British Columbia. <b>1996</b> , 23, 145-152	17
2052	Decomposition and transfer of plant residue 14C between size and density fractions in soil. <b>1996</b> , 179, 159-169	18
2051	Responses of soil microbiota of a late successional alpine grassland to long term CO2 enrichment. <b>1996</b> , 184, 219-229	61
2050	Alternative kinetic laws to describe the turnover of the microbial biomass. <b>1996</b> , 181, 169-173	19
2049	Influence of compaction from wheel traffic and tillage on arbuscular mycorrhizae infection and nutrient uptake by Zea mays. <b>1996</b> , 180, 139-146	20
2048	Elevated CO2 effects on carbon and nitrogen cycling in grass/clover turves of a Psammaquent soil. <b>1996</b> , 182, 185-198	33
2047	Side-effects of herbicides on the size and activity of the soil microflora: DNOC as a test case. <b>1996</b> , 47, 557-566	3
2046	Influence of the nature of soil organic matter on the sorption-desorption of 4-chlorophenol, 2,4-dichlorophenol and the herbicide 2,4-dichlorophenoxyacetic acid (2,4-D). <b>1996</b> , 47, 567-578	70
2045	Organic Matter Dynamics in Forest Soils of Temperate and Tropical Ecosystems. <b>1996</b> , 101-170	43

2044	Interactive effects of wheel-traffic and tillage system on soil carbon and nitrogen. <b>1996</b> , 27, 3027-3043	16
2043	Mineralization and changes in microbial biomass in water-saturated soil amended with some tropical plant residues. <b>1996</b> , 42, 483-492	10
2042	Mineralization and microbial biomass formation in upland soil amended with some tropical plant residues at different temperatures. <b>1996</b> , 42, 463-473	16
2041	Dissolved Humus in Soil Waters. <b>1996</b> , 171-223	96
2040	Activity of the Microbial Decomposer Community in Metal-Contaminated Roadside Soils. <b>1996</b> , 33, 703	19
2039	Effet ^ long terme d'apports d'engrais min^aux et de fumier sur les teneurs en C et en N des fractions densim^triques et des agr^gats du loam limoneux Le Bras. <b>1997</b> , 77, 351-358	19
2038	Einfluss mineralischer und organischer n-d^ngung auf bodenmikrobiologische parameter im internationalen organischen stickstoffdauer^ngungsversuch (IOSDV) berlin-dahlem. <b>1997</b> , 42, 11-19	3
2037	Effects of photon flux density on carbon partitioning and rhizosphere carbon flow of <i>Lolium perenne</i> . <b>1997</b> , 48, 1797-1805	44
2036	Microbial decomposition of fuel oil after compost addition to soil. <b>1997</b> , 160, 21-24	10
2035	Changes in microbial biomass after continuous application of azolla and rice straw in soil. <b>1997</b> , 43, 811-818	4
2034	Absorption of nitrogen by Japanese mint from mineralization and immobilization by the soil microbial biomass. <b>1997</b> , 28, 1711-1719	1
2033	Interactions Between Soil Biota, Soil Organic Matter, and Soil Structure. <b>1997</b> ,	
2032	Utilisation of the long-term field experiments in Prague- Ruzyne in modern agricultural research. <b>1997</b> , 42, 181-191	2
2031	Ecological study on the dynamics of soil organic matter and its related properties in shifting cultivation systems of Northern Thailand. <b>1997</b> , 43, 681-693	28
2030	Effects of organic matter application on microbial biomass and available nutrients in various types of paddy soils. <b>1997</b> , 43, 191-203	37
2029	Carbon and ninhydrin-reactive nitrogen of the microbial biomass in rewetted compost samples. <b>1997</b> , 28, 113-122	14
2028	Interactions among soil organic matter, levels of the indigenous entomopathogenic bacterium <i>Serratia entomophila</i> in soil, amber disease and the feeding activity of the scarab larva of <i>Costelytra zealandica</i> : a microcosm approach. <b>1997</b> , 5, 231-246	11
2027	The effects of reduced tillage on microbial biomass C and P in sandy loess soils. <b>1997</b> , 5, 71-79	37



2026	Faunal and Microbial Diversity in Three Welsh Grassland Soils Under Conventional and Organic Management Regimes. <b>1997</b> , 34, 453		153
2025	Bacterial and fungal dynamics and their contribution to microbial biomass in desert soil. <b>1997</b> , 37, 83-90		31
2024	The effect of <i>Lumbricus terrestris</i> on soil in relation to plant growth: Effects of nutrient-enrichment processes (NEP) and gut-associated processes (GAP). <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 341-346	7.5	49
2023	Biological and biochemical indicators in derelict soils subject to erosion. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 171-177	7.5	82
2022	Do physical properties of soil affect chloroform efficiency in lysing microbial biomass?. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1135-1142	7.5	21
2021	Relationship between SIR and FE estimates of microbial biomass C in deciduous forest soils at different pH. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1033-1042	7.5	141
2020	Temporal variation of C and N mineralization, microbial biomass and extractable organic pools in soil after oilseed rape straw incorporation in the field. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1043-1055	7.5	122
2019	Seasonality of the soil biota of grazed and ungrazed hill grasslands. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1285-1294	7.5	184
2018	Dynamic response of microbial biomass, respiration rate and ATP to glucose additions. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1249-1256	7.5	44
2017	An inter-laboratory comparison of ten different ways of measuring soil microbial biomass C. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1023-1032	7.5	372
2016	Nutrient cycling through microbial biomass under rice-pasture rotations replacing native savanna. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1433-1441	7.5	31
2015	Where's the limit? Changes in the microbiological properties of agricultural soils at low levels of metal contamination. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1405-1415	7.5	137
2014	Changes in soil microbial properties and phospholipid fatty acid fractions after chloroform fumigation. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1325-1336	7.5	96
2013	Influence of six crop species on aggregate stability and some labile organic matter fractions. <i>Soil Biology and Biochemistry</i> , <b>1997</b> , 29, 1647-1653	7.5	198
2012	Significance and application of microbial toxicity tests in assessing ecotoxicological risks of contaminants in soil and sediment. <b>1997</b> , 34, 455-499		164
2011	Influence of plant carbon on the mineralisation of atrazine residues in soils. <b>1997</b> , 34, 1739-1751		13
2010	Soil carbon dynamics in the humid tropical forest zone. <b>1997</b> , 79, 187-225		187
2009	Simulating trends in soil organic carbon in long-term experiments using the soil-plant-atmosphere model DAISY. <b>1997</b> , 81, 5-28		46

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2007	Effects of bacterial inoculum and moisture adjustment on composting of pig manure. <b>1997</b> , 96, 161-71	28
2006	Methods for Assessing Soil Quality. <b>1997</b> ,	36
2005	Recovery of N derived from <sup>15</sup> N-labelled grass/clover residues, recently immobilised urine <sup>15</sup> N or native soil organic N by a wheat crop following cultivation of a pasture soil. <b>1997</b> , 63, 67-72	5
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2003	Rimsulfuron in soil: Effect of persistence on growth and activity of microbial biomass at varying environmental conditions. <b>1997</b> , 39, 165-176	7
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2001	Comparison of an in vitro and a damping-off assay to test soils for suppressiveness to <i>Pythium aphanidermatum</i> . <b>1997</b> , 103, 55-63	16
2000	Effects of white clover ( <i>Trifolium repens</i> L.) on plant and soil nitrogen and soil organic matter in mixtures with perennial ryegrass ( <i>Lolium perenne</i> L.). <b>1997</b> , 197, 177-186	54
1999	Effects of cattle slurry and mineral N fertilizer applications on various components of the nitrogen balance of mown grassland. <b>1997</b> , 188, 49-58	17
1998	Nitrogen mineralization and denitrification as influenced by crop residue particle size. <b>1997</b> , 197, 261-270	53
1997	The decomposition of sugar beet residues: mineralization versus immobilization in contrasting soil types. <b>1997</b> , 192, 237-247	32
1996	Ecological effects of combined organic or inorganic pollution on soil microbial activities. <b>1997</b> , 96, 133-143	7
1995	Freeze-dried soil extraction method for the measurement of microbial biomass C. <b>1997</b> , 24, 205-210	20
1994	Organic matter, microbial biomass and enzyme activity of soils under different crop rotations in the tropics. <b>1997</b> , 24, 306-310	97
1993	Effect of rotation, nitrogen fertilization and management of crop residues on some chemical, microbiological and biochemical properties of soil. <b>1997</b> , 24, 311-316	47
1992	Effects of animal manure application and crop plants upon size and activity of soil microbial biomass under organically grown spring barley. <b>1997</b> , 24, 372-377	37
1991	Effect of continuous and alternate water regimes on methane efflux from rice under greenhouse conditions. <b>1997</b> , 24, 399-405	61

1990	Effects of conventional tillage on biochemical properties of soils. <b>1997</b> , 25, 1-6	43
1989	Fate of <sup>14</sup> C-ring-labeled 2,4-D, 2,4-dichlorophenol and 4-chlorophenol during straw composting. <b>1997</b> , 25, 53-59	30
1988	Short-term effect of wildfire on the chemical, biochemical and microbiological properties of Mediterranean pine forest soils. <b>1997</b> , 25, 109-116	144
1987	Partitioning and translocation of photosynthetically fixed <sup>14</sup> C in grazed hill pastures. <b>1997</b> , 25, 152-158	81
1986	Effect of soil CO <sub>2</sub> concentration on microbial biomass. <b>1997</b> , 25, 269-273	8
1985	Ecological pre-release risk assessment of two genetically engineered, bioluminescent <i>Rhizobium meliloti</i> strains in soil column model systems. <b>1997</b> , 25, 340-348	6
1984	Effects of cropping systems on soil organic matter in a pair of conventional and biodynamic mixed cropping farms in Canterbury, New Zealand. <b>1997</b> , 25, 372-381	25
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1982	Stimulation of microbial activity following spring applications of nitrogen. <b>1997</b> , 26, 28-30	31
1981	Towards a biochemical quality index for soils: An expression relating several biological and biochemical properties. <b>1997</b> , 26, 100-106	158
1980	Impact of lead and sewage sludge on soil microbial biomass and carbon and nitrogen mineralization. <b>1997</b> , 58, 234-40	19
1979	Microbial Dynamics Associated with Multiphasic Decomposition of <sup>14</sup> C-Labeled Cellulose in Soil. <b>1997</b> , 33, 134-43	102
1978	Microbial biomass and activity in soil and litter under <i>Pinus sylvestris</i> , <i>Picea abies</i> and <i>Betula pendula</i> at originally similar field afforestation sites. <b>1997</b> , 24, 45-51	88
1977	Continuous defoliation of perennial ryegrass ( <i>Lolium perenne</i> ) and white clover ( <i>Trifolium repens</i> ) and associated changes in the composition and activity of the microbial population of an upland grassland soil. <b>1997</b> , 24, 52-58	87
1976	Formation of non-bioavailable organic residues in soil: Perspectives for site remediation. <b>1997</b> , 7, 471-485	54
1975	Soil microbiological parameters as indicators of soil quality under improved fallow management systems in south-western Nigeria. <b>1998</b> , 202, 97-107	89
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1964	Microwave irradiation of soil for routine measurement of microbial biomass carbon. <b>1998</b> , 27, 408-416	211
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1960	Impact of elevated atmospheric CO <sub>2</sub> concentration on soil microbial biomass and activity in a complex, weedy field model ecosystem. <b>1998</b> , 4, 335-346	38
1959	Effects of elevated atmospheric CO <sub>2</sub> on soil microbiota in calcareous grassland. <b>1998</b> , 4, 451-458	54
1958	A comparison of aggregate stability and biological activity in earthworm casts and uningested soil as affected by amendment with wheat or lucerne straw. <b>1998</b> , 49, 629-636	36
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1953	Effects of water and nitrogen amendment on soil microbial biomass and fine root production in a semi-arid environment in West Texas. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 30, 39-45	7.5	68
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1940	Effects of tree species, stand age and soil type on soil microbial biomass and its activity in a southern boreal forest. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 30, 1077-1089	7.5	232
1939	Microbial biomass and soil organic matter dynamics in oil palm ( <i>Elaeis guineensis</i> jacq.) plantations, West Malaysia. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 30, 547-552	7.5	57
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1928	Soil microbial biomass and activity in soil from different grassland management treatments stored under controlled conditions. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 30, 2077-2085	7.5	26
1927	Carbon and nitrogen mineralization of added particulate and macroorganic matter. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 30, 2139-2146	7.5	36
1926	Carbon induced subsoil denitrification of <sup>15</sup> N-labelled nitrate in 1 m deep soil columns. <i>Soil Biology and Biochemistry</i> , <b>1998</b> , 31, 31-41	7.5	70
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1921	Dynamics of soil microbial biomass C, soluble organic C and CO <sub>2</sub> evolution after three years of manure application. <b>1998</b> , 78, 283-290		159
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1910	Effect of straw amendment and plant growth on selenium transfer in a laboratory soil-plant system. <b>1998</b> , 78, 187-195	10
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1906	Effect of integrated management of couch grass ( <i>Elytrigia repens</i> ) on soil quality and crop nutrition. <b>1998</b> , 130, 323-328	4
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1902	Below-ground herbivory promotes soil nutrient transfer and root growth in grassland. <b>1999</b> , 2, 357-360	103
1901	<i>Cyperus rotundus</i> Control by Solarization. <b>1999</b> , 17, 151-157	8

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1899	Tillage impacts on soil microbial biomass C, N and P, earthworms and agronomy after two years of cropping following permanent pasture in New Zealand. <b>1999</b> , 51, 103-111	49
1898	Ploughing effects on soil organic matter after twenty years of conservation tillage in Lower Saxony, Germany. <b>1999</b> , 52, 91-101	99
1897	The immobilization of nitrogen by straw decomposing in soil. <b>1999</b> , 50, 329-341	70
1896	Carbon, nitrogen and microbial gradients induced by plant residues decomposing in soil. <b>1999</b> , 50, 567-578	113
1895	Mixed leaf litter effects on decomposition rates and soil microarthropod communities in an oakâ€špine stand in Japan. <b>1999</b> , 14, 131-138	162
1894	Effect of millipede <i>Parafontaria tonominea</i> Attems (Diplopoda: Xystodesmidae) adults on soil biological activities: A microcosm experiment. <b>1999</b> , 14, 271-279	12
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1888	Soil organisms and carbon, nitrogen and phosphorus mineralisation in Norway spruce and mixed Norway spruce â€šBirch stands. <b>1999</b> , 28, 382-388	52
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1883	Biological and chemical properties of arable soils affected by long-term organic and inorganic fertilizer applications. <b>1999</b> , 29, 300-308	62



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1881	Long-term effects of farmyard manure and sewage sludge on some soil biochemical characteristics. <b>1999</b> , 30, 100-106		59
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1876	Influence of fertilizer management and water regime on methane emission from rice fields. <b>1999</b> , 76, 99-107		64
1875	Interaction of Tillage and Soil Texture Biologically Active Soil Organic Matter in Illinois. <b>1999</b> , 63, 1326-1334		135
1874	Soil microbial biomass alterations during the maize silage growing season relative to tillage method. <b>1999</b> , 63, 1845-1847		18
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1872	Influence of Nitrate and Phosphorus Loading on Denitrifying Enzyme Activity in Everglades Wetland Soils. <b>1999</b> , 63, 1945-1954		100
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1847	Experimental evidence that soil fauna enhance nutrient mineralization and plant nutrient uptake in montane grassland ecosystems. <i>Soil Biology and Biochemistry</i> , <b>1999</b> , 31, 1007-1014	7.5	186

1846	Seasonal changes in soil microbial communities along a fertility gradient of temperate grasslands. <i>Soil Biology and Biochemistry</i> , <b>1999</b> , 31, 1021-1030	7.5	268
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1833	Turnover of organic matter in differently textured soils: II. Microbial activity as influenced by soil water regimes. <b>1999</b> , 89, 199-218		130
1832	Temporal dynamics of microbial biomass- and mineral-N in legume amended soils from a spatially variable landscape. <b>1999</b> , 92, 239-256		5
1831	Differentiating with fluorescence spectroscopy the sources of dissolved organic matter in soils subjected to drying. <b>1999</b> , 38, 45-50		727
1830	Influence of a commercial formulation of tridemorph on methane production and oxidation in a tropical rice soil. <b>1999</b> , 39, 933-943		14
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1814	Vegetation change and soil quality in central Otago tussock grasslands, New Zealand.. <b>2000</b> , 22, 190	13
1813	Effect of Soil Agitation, Temperature or Moisture on Microbial Biomass Carbon of a Forest and an Arable Soil.. <b>2000</b> , 15, 23-30	4
1812	Overwinter soil nitrogen dynamics in seasonally frozen soils. <b>2000</b> , 80, 541-550	20
1811	The effect of farming system on labile fractions of organic matter in Calcari-Epileptic Regosols. <b>2000</b> , 163, 41-45	27

1810	Irrigation of an allophanic soil with dairy factory effluent for 22 years: responses of nutrient storage and soil biota. <b>2000</b> , 38, 25	49
1809	An appraisal of five methods for the measurement of the fungal population in soil treated with chlorothalonil. <b>2000</b> , 56, 431-440	3
1808	A study of the structure and metal tolerance of the soil microbial community six years after cessation of sewage sludge applications. <b>2000</b> , 19, 1983-1991	68
1807	Enchytraeid worms (Oligochaeta) enhance mineralization of carbon in organic upland soils. <b>2000</b> , 51, 185-192	81
1806	Microbial processes and carbon-isotope fractionation in tropical and temperate grassland soils. <b>2000</b> , 14, 108-114	171
1805	Site history affects soil and plant $\delta^{15}\text{N}$ natural abundances ( $\delta^{15}\text{N}$ ) in forests of northern Vancouver Island, British Columbia. <b>2000</b> , 14, 273-280	36
1804	Effects of elevated atmospheric $\text{CO}_2$ concentration on C and N pools and rhizosphere processes in a Florida scrub oak community. <b>2000</b> , 6, 383-391	22
1803	Organic matter composition, microbial biomass and microbial activity in gravel-bed constructed wetlands treating farm dairy wastewaters. <b>2000</b> , 16, 199-221	115
1802	Ecosystem response of pasture soil communities to fumigation-induced microbial diversity reductions: an examination of the biodiversity–ecosystem function relationship. <b>2000</b> , 90, 279-294	436
1801	Microbial biomass content and enzymatic activities after the application of organic amendments to a horticultural soil. <b>2000</b> , 75, 43-48	239
1800	Wastewater C:N ratio effects on soil hydraulic conductivity and potential mechanisms for recovery. <b>2000</b> , 71, 21-27	76
1799	Influence of organic and mineral fertilisers on soil biological and physical properties. <b>2000</b> , 72, 9-17	330
1798	$^{14}\text{C}$ distribution in soil organisms and respiration after the decomposition of crop residue in conventional tillage and no-till agroecosystems at Georgia Piedmont. <b>2000</b> , 57, 31-41	22
1797	Variations in soil microbial biomass and N availability due to residue and tillage management in a dryland rice agroecosystem. <b>2000</b> , 56, 153-166	75
1796	Influence of salinity on methanogenesis and associated microflora in tropical rice soils. <b>2000</b> , 155, 215-20	29
1795	Integrated nutrient management and waste recycling for restoring soil fertility and productivity in Japanese mint and mustard sequence in Uttar Pradesh, India. <b>2000</b> , 80, 267-275	61
1794	The impact of land clearing and agricultural practices on soil organic C fractions and $\text{CO}_2$ efflux in the Northern Guam aquifer. <b>2000</b> , 79, 17-27	26
1793	Effects of afforestation on phosphorus dynamics and biological properties in a New Zealand grassland soil. <b>2000</b> , 220, 151-163	158

1792	Land quality changes following the conversion of the natural vegetation into silvo-pastoral systems in semi-arid NE Brazil. <b>2000</b> , 222, 59-70	40
1791	Availability of different forms of sulphur fertilisers to wheat and oilseed rape. <b>2000</b> , 222, 139-147	22
1790	Plant and soil microbial responses to defoliation in temperate semi-natural grassland. <b>2000</b> , 220, 271-277	119
1789	Short-term Cover Crop Decomposition in Organic and Conventional Soils: Soil Microbial and Nutrient Cycling Indicator Variables Associated with Different Levels of Soil Suppressiveness to <i>Pythium aphanidermatum</i> . <b>2000</b> , 106, 51-65	17
1788	Decomposition in the field of residues of oilseed rape grown at two levels of nitrogen fertilisation. Effects on the dynamics of soil mineral nitrogen between successive crops. <b>2000</b> , 56, 125-137	48
1787	Influence of Six Nitrification Inhibitors on Methane Production in a Flooded Alluvial Soil. <b>2000</b> , 58, 389-394	24
1786	Influence of decomposer food web structure and nitrogen availability on plant growth. <b>2000</b> , 225, 153-165	61
1785	Changes in soil biological properties with the addition of metsulfuron-methyl herbicide. <b>2000</b> , 1, 442-447	2
1784	Immobilization of soil nitrogen as a possible method for the restoration of sandy grassland. <b>2000</b> , 3, 7-14	63
1783	Microbial Biomass and Community Structure in a Sequence of Soils with Increasing Fertility and Changing Land Use. <b>2000</b> , 40, 223-237	331
1782	Effects of Agricultural Chemicals on DNA Sequence Diversity of Soil Microbial Community: A Study with RAPD Marker. <b>2000</b> , 39, 72-79	81
1781	Estimating the active and total soil microbial biomass by kinetic respiration analysis. <b>2000</b> , 32, 73-81	117
1780	Chemical and biological characteristics of alkaline saline soils from the former Lake Texcoco as affected by artificial drainage. <b>2000</b> , 32, 102-108	40
1779	Influence of soil phosphorus status and nitrogen addition on carbon mineralization from <sup>14</sup> C-labelled glucose in pasture soils. <b>2000</b> , 32, 209-216	23
1778	Characterization of active nitrogen pools in soils under different cropping systems. <b>2000</b> , 32, 302-309	34
1777	Tillage practice influences on the physical protection, bioavailability and composition of particulate organic matter. <b>2000</b> , 32, 360-367	62
1776	Quantifying microbial biomass phosphorus in acid soils. <b>2000</b> , 32, 500-507	60
1775	Nitrogen mineralization and microbial activity in permanent pastures amended with nitrogen fertilizer or dung. <b>2000</b> , 30, 288-293	60

1774	Effect of climate, soil type and earthworm activity on nitrogen transfer from a nitrogen-15-labelled decomposing material under field conditions. <b>2000</b> , 30, 318-327	27
1773	Combining field incubation with nitrogen-15 labelling to examine nitrogen transformations in low to high intensity grassland management systems. <b>2000</b> , 30, 492-499	46
1772	A rapid chloroform-fumigation extraction method for measuring soil microbial biomass carbon and nitrogen in flooded rice soils. <b>2000</b> , 30, 510-519	134
1771	Dynamics of soil microbial biomass and nitrogen availability in a flooded rice soil amended with different C and N sources. <b>2000</b> , 30, 520-527	23
1770	Medium-term effects of a single application of mustard residues on soil microbiota and C content of vertisols. <b>2000</b> , 31, 108-113	7
1769	Urease activity of microbial biomass in soils as affected by cropping systems. <b>2000</b> , 31, 191-199	123
1768	Soil microbial biomass carbon and nitrogen as affected by cropping systems. <b>2000</b> , 31, 200-210	238
1767	Relationship between rimsulfuron degradation and microbial biomass content in a clay loam soil. <b>2000</b> , 31, 310-314	17
1766	Microbial responses to fluctuation of soil aeration status and redox conditions. <b>2000</b> , 31, 315-322	47
1765	Effects of long-term waste water irrigation on soil organic matter, soil microbial biomass and its activities in central Mexico. <b>2000</b> , 31, 414-421	149
1764	Effects of Soil pH Gradient Caused by Stemflow Acidification on Soil Microarthropod Community Structure in a Japanese Red Cedar Plantation: An Evaluation of Ecological Risk on Decomposition. <b>2000</b> , 5, 157-162	19
1763	Fusarium oxysporum strains as biocontrol agents against Fusarium wilt: effects on soil microbial biomass and activity. <b>2000</b> , 35, 93-101	7
1762	Resistance to cropping pressure of two New Zealand soils with contrasting mineralogy. <b>2000</b> , 38, 85	24
1761	Sensitive Indicators of Soil Organic Matter Sustainability in Orchard Floors of Organic, Conventional and Integrated Apple Orchards in New Zealand. <b>2000</b> , 17, 197-205	6
1760	Soil microbial biomass and enzyme activity following liquid hog manure application in a long-term field trial. <b>2000</b> , 80, 263-269	51
1759	Effect of soil on microbial responses to metal contamination. <b>2000</b> , 110, 115-25	96
1758	Soil carbon dynamics of conventional tillage and no-till agroecosystems at Georgia Piedmont â HSB-C models. <b>2000</b> , 131, 229-248	29
1757	Cross-site comparison of soil microbial biomass, soil nutrient status, and nematode trophic groups. <b>2000</b> , 44, 2-23	42

1756	The inconsistent effect of soil disturbance on colonization of roots by arbuscular mycorrhizal fungi: a test of the inoculum density hypothesis. <b>2000</b> , 14, 147-155		43
1755	A soil microbial community structural-functional index: the microscopy-based total/active/active fungal/bacterial (TA/AFB) biovolumes ratio. <b>2000</b> , 14, 257-268		29
1754	Soil carbon, microbial activity and nitrogen availability in agroforestry systems on moderately alkaline soils in northern India. <b>2000</b> , 15, 283-294		99
1753	Substrate heterogeneity and microfauna in soil organic âĖotspotsâĖs determinants of nitrogen capture and growth of ryegrass. <b>2000</b> , 14, 37-53		128
1752	Mineralization and microbial assimilation of <sup>14</sup> C-labeled straw in soils of organic and conventional agricultural systems. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1131-1139	7.5	51
1751	Organic amendment and mycorrhizal inoculation as a practice in afforestation of soils with <i>Pinus halepensis</i> Miller: effect on their microbial activity. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1173-1181	7.5	62
1750	Temperature changes and the ATP concentration of the soil microbial biomass. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1219-1225	7.5	25
1749	Microbial responses to simulated tillage in cultivated and uncultivated soils. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1547-1559	7.5	143
1748	C and N fluxes of decomposing <sup>13</sup> C and <sup>15</sup> N <i>Brassica napus</i> L.: effects of residue composition and N content. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1717-1730	7.5	101
1747	Linking microbial community composition to function in a tropical soil. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1837-1846	7.5	455
1746	Limitations of soil enzymes as indicators of soil pollution. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1867-1875	7.5	177
1745	Long-term effects of municipal solid waste compost application on soil enzyme activities and microbial biomass. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1907-1913	7.5	436
1744	Denitrification in arable soils in relation to their physico-chemical properties and fertilization practice. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 101-110	7.5	48
1743	Decreases in organic C reserves in soils can reduce the catabolic diversity of soil microbial communities. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 189-196	7.5	271
1742	Earthworm activity affecting organic matter, aggregation and microbial activity in soils restored after opencast mining for coal. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 119-126	7.5	96
1741	Relationship between simulated spatial variability and some estimates of microbial biomass turnover. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 139-142	7.5	11
1740	Metabolism of <sup>13</sup> C-labeled glucose in aggregates from soils with manure application. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 295-300	7.5	64
1739	Management influences on soil microbial communities and their function in botanically diverse haymeadows of northern England and Wales. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 253-263	7.5	101



1738	Dependence of accelerated degradation of atrazine on soil pH in French and Canadian soils. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 615-625	7.5	130
1737	Ergosterol and microbial biomass in the rhizosphere of grassland soils. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 647-652	7.5	74
1736	Biochemical properties of acid soils under climax vegetation (Atlantic oakwood) in an area of the European temperate-humid zone (Galicia, NW Spain): general parameters. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 733-745	7.5	89
1735	Microbial biomass and size-density fractions differ between soils of organic and conventional agricultural systems. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 757-768	7.5	184
1734	Chemical and biological processes leading to the neutralisation of acidity in soil incubated with litter materials. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 805-813	7.5	81
1733	Relationship between dsDNA, chloroform labile C and ergosterol in soils of different organic matter contents and pH. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 879-882	7.5	101
1732	Field lysimeter investigation with luciferase-gene (luc)-tagged <i>Sinorhizobium meliloti</i> strains to evaluate the ecological significance of soil inoculation and a recA-mutation. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 859-868	7.5	16
1731	Effect of topography on the composition of soil organic substances in a perhumid sub-tropical montane forest ecosystem in Taiwan. <b>2000</b> , 96, 19-30		31
1730	Performance of Soil Condition Indicators Across Taxonomic Groups and Land Uses. <b>2000</b> , 64, 300-311		85
1729	Flush of Carbon Dioxide Following Rewetting of Dried Soil Relates to Active Organic Pools. <b>2000</b> , 64, 613-623		247
1728	Fates and Losses of Nitrogen from a Nitrogen-15-Labeled Cover Crop in an Intensively Managed Vegetable System. <b>2000</b> , 64, 1404-1412		56
1727	Influence of Phosphorus Loading on Organic Nitrogen Mineralization of Everglades Soils. <b>2000</b> , 64, 1525-1534		128
1726	Ten-Year Responses of Soil Quality and Conifer Growth to Silvicultural Treatments. <b>2000</b> , 64, 1815-1826		35
1725	Topsoil characteristics of three contrasting New Zealand soils under four long-term land uses. <b>2000</b> , 43, 569-583		32
1724	Sustainability of New Zealand high-country pastures under contrasting development inputs. 4. Organic matter components. <b>2000</b> , 43, 387-414		6
1723	Impact of precommercial thinning in balsam fir stands on soil nitrogen dynamics, microbial biomass, decomposition, and foliar nutrition. <b>2000</b> , 30, 229-238		123
1722	EFFECTS OF FREE-AIR CO <sub>2</sub> ENRICHMENT (FACE) ON BELOWGROUND PROCESSES IN A PINUS TAEDA FOREST. <b>2000</b> , 10, 437-448		24
1721	Methane emissions, groundwater levels and redox potentials of common wetland soils in a temperate-humid climate. <b>2000</b> , 14, 1081-1093		49

1720	Soil microbial biomass, metabolic quotient, and carbon and nitrogen mineralisation in 25-year-old <i>Pinus radiata</i> agroforestry regimes. <b>2001</b> , 39, 491		30
1719	Decomposition of peat, biogenic municipal waste compost, and shrub/grass compost added in different rates to a silt loam. <b>2001</b> , 164, 365		32
1718	Long-term effects on soil microbial properties of heavy metals from industrial exhaust deposition. <b>2001</b> , 164, 657-663		32
1717	Organic matter and aggregation in a degraded potato soil as affected by raw and composted pulp residue. <b>2001</b> , 34, 441-447		35
1716	Mitigation of climatic change by soil carbon sequestration: Issues of science, monitoring, and degraded lands. <b>2001</b> , 70, 1-75		55
1715	Influence of straw size on activity and biomass of soil microorganisms during decomposition. <b>2001</b> , 37, 157-160		37
1714	Species specific effects of ants on microbial activity and N-availability in the soil of an old-field. <b>2001</b> , 37, 259-261		34
1713	Predation on fungal and bacterial biomass in a soddy-podzolic soil amended with starch, wheat straw and alfalfa meal. <b>2001</b> , 16, 131-139		39
1712	Soil organic matter and water-stable aggregates under different tillage and residue conditions in a tropical dryland agroecosystem. <b>2001</b> , 16, 229-241		114
1711	Effects of experimental liming on collembolan communities and soil microbial biomass in a southern Quebec sugar maple ( <i>Acer saccharum</i> Marsh.) stand. <b>2001</b> , 17, 81-90		49
1710	Relationship between microbial biomass and extractable organic carbon content in volcanic and non-volcanic ash soil. <b>2001</b> , 17, 183-187		26
1709	Vacuum-extraction of peatlands disturbs bacterial population and microbial biomass carbon. <b>2001</b> , 18, 1-12		35
1708	Developments in soil microbiology since the mid 1960s. <b>2001</b> , 100, 389-402		95
1707	Dynamics of 14 C-labelled glucose in alkaline saline soil. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 707-719	7.5	26
1706	Short-term utilisation of 14C-[U]glucose by soil microorganisms in relation to carbon availability. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 53-60	7.5	78
1705	Carbon partitioning and below-ground translocation by <i>Lolium perenne</i> . <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 61-74	7.5	168
1704	Substrate limitations to microbial activity in taiga forest floors. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 173-188	7.5	180
1703	Biogeophysical factors influencing soil respiration and mineral nitrogen content in an old field soil. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 429-438	7.5	36

1702	Accounting for variability in soil microbial communities of temperate upland grassland ecosystems. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 533-551	7.5	376
1701	Short-term effects of earthworm activity and straw amendment on the microbial C and N turnover in a remoistened arable soil after summer drought. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 583-591	7.5	49
1700	Microbial biomass-C and basal respiration of fine earth and highly altered rock fragments of two forest soils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 613-620	7.5	27
1699	The ATP concentration in the soil microbial biomass. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 701-704	7.5	77
1698	<sup>13</sup> C NMR spectroscopy studies of forest soil microbial activity: glucose uptake and fatty acid biosynthesis. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 621-632	7.5	50
1697	Effects of Zn enriched sewage sludge on microbial activities and biomass in soil. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 633-638	7.5	37
1696	Preferential flow paths: biological "hot spots" in soils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 729-738	7.5	287
1695	Fate of <sup>14</sup> C from glucose and the herbicide metsulfuron-methyl in a plant-soil microcosm system. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 777-785	7.5	22
1694	Rapid estimation of microbial biomass in grassland soils by ultra-violet absorbance. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 913-919	7.5	53
1693	Effect of nitrogen and phosphate fertilisers on microbial and nematode diversity in pasture soils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 953-964	7.5	214
1692	Estimation of ATP in soil: extraction methods and calculation of extraction efficiency. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 973-982	7.5	34
1691	Mineralization and immobilization of C and N from dairy farm effluent (DFE) and glucose plus ammonium chloride solution in three grassland topsoils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1037-1048	7.5	19
1690	Budgets for root-derived C and litter-derived C: comparison between conventional tillage and no tillage soils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1067-1075	7.5	43
1689	Soil microbial biomass is triggered into activity by trace amounts of substrate. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1163-1170	7.5	350
1688	FTIR spectroscopy of peat in and bordering Scots pine woodland: relationship with chemical and biological properties. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1193-1200	7.5	79
1687	Short-term nitrogen transformations in soil amended with animal manure. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1211-1216	7.5	38
1686	Interaction of the earthworm <i>Diplocardia mississippiensis</i> (Megascolecidae) with microbial and nutrient dynamics in a subtropical Spodosol. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1411-1417	7.5	20
1685	Uncoupling of carbon and nitrogen mineralization: role of microbivorous nematodes. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1463-1472	7.5	37

1684	Molar concentration of K <sub>2</sub> SO <sub>4</sub> and soil pH affect estimation of extractable C with chloroform fumigation-extraction. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1501-1507	7.5	49
1683	Interrelationships between microbial and soil properties in young volcanic ash soils of Nicaragua. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1581-1589	7.5	55
1682	Impact of ecological and conventional arable management systems on chemical and biological soil quality indices in Nicaragua. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1591-1597	7.5	35
1681	Long-term effects of land use and fertiliser treatments on sulphur transformations in soils from the Broadbalk experiment. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1797-1804	7.5	49
1680	Decomposition of <sup>14</sup> C glucose in two soils with different amounts of heavy metal contamination. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1811-1816	7.5	70
1679	Influence of balsam poplar tannin fractions on carbon and nitrogen dynamics in Alaskan taiga floodplain soils. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1827-1839	7.5	220
1678	Characterisation of the microbial biomass in lignite-containing mine soils by radiocarbon measurements. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 2019-2021	7.5	9
1677	Five years of nitrate removal, denitrification and carbon dynamics in a denitrification wall. <b>2001</b> , 35, 3473-7		128
1676	Changes in soil properties after application of dairy factory effluent to New Zealand volcanic ash and pumice soils. <b>2001</b> , 39, 505		34
1675	INTRODUCED BROWSING MAMMALS IN NEW ZEALAND NATURAL FORESTS: ABOVEGROUND AND BELOWGROUND CONSEQUENCES. <b>2001</b> , 71, 587-614		243
1674	Short-Term Dynamics of Nitrogen, Microbial Activity, and Phospholipid Fatty Acids after Tillage. <b>2001</b> , 65, 118-126		143
1673	Seasonal Nutrient Dynamics of Forested Floodplain Soil Influenced by Microtopography and Depth. <b>2001</b> , 65, 922-931		25
1672	Phosphorus Loading Effects on Extracellular Enzyme Activity in Everglades Wetland Soils. <b>2001</b> , 65, 588-595		119
1671	Heterotrophic Microbial Activity in Northern Everglades Wetland Soils. <b>2001</b> , 65, 1856-1864		83
1670	Evaluation of the Microwave Irradiation Method for Measuring Soil Microbial Biomass. <b>2001</b> , 65, 1696-1703		10
1669	Influence of Selected Inorganic Electron Acceptors on Organic Nitrogen Mineralization in Everglades Soils. <b>2001</b> , 65, 941-948		65
1668	Effects of soil management systems on soil microbial activity, bulk density and chemical properties. <b>2001</b> , 36, 1539-1545		29
1667	The response of soil microbial biomass and activity of a Norway spruce forest to liming and drought. <b>2001</b> , 164, 9-19		10

1666	Organic carbon extraction efficiency in chloroform fumigated and non-fumigated soils. <b>2001</b> , 65, 1731-1733	12
1665	Accumulation of organic matter fractions in a gravel-bed constructed wetland. <b>2001</b> , 44, 281-287	16
1664	Carbono da biomassa microbiana em solos de cerrado sob vegeta <sup>o</sup> nativa e sob cultivo: avalia <sup>o</sup> dos m <sup>o</sup> todos fumiga <sup>o</sup> -incuba <sup>o</sup> e fumiga <sup>o</sup> -extra <sup>o</sup> . <b>2001</b> , 25, 863-871	19
1663	P <sup>o</sup> de forno de aciaria el <sup>o</sup> trica na microbiota do solo e no crescimento de soja. <b>2001</b> , 36, 1547-1554	2
1662	Preferential Flow Paths: Biological Hot Spots in Soils.	
1661	MODELING SELENIUM TRANSFERS IN STRAW-AMENDED SOILS. <b>2001</b> , 166, 539-547	7
1660	Metabolic and anabolic responses of arable and forest soils to nutrient addition. <b>2001</b> , 164, 29-34	16
1659	Long-term effects of liming on microbial biomass and activity and soil organic matter quality ( <sup>13</sup> C CPMAS NMR) in organic horizons of Norway spruce forests in Southern Germany. <b>2001</b> , 164, 555	10
1658	The Soil Microbial Biomass: Concept, Measurement and Applications in Soil Ecosystem Research.. <b>2001</b> , 16, 131-140	96
1657	Nitrogen pools and turnover in arable soils under different durations of organic farming: I. Pool sizes of total soil nitrogen, microbial biomass nitrogen, and potentially mineralizable nitrogen. <b>2001</b> , 164, 415	17
1656	Effects of Cedrus atlantica and Pinus halepensis on the chemistry and fertility of a Mediterranean soil after 40 years. <b>2001</b> , 81, 553-560	4
1655	Effects of Elevated Carbon Dioxide and Nitrogen Fertilization on Mycorrhizal Fine Roots and the Soil Microbial Community in Beech-Spruce Ecosystems on Siliceous and Calcareous Soil. <b>2001</b> , 42, 126-135	54
1654	Effects of oil spills on microbial heterotrophs in Antarctic soils. <b>2001</b> , 24, 308-313	80
1653	Organic matter extracted with 0.01 M CaCl <sub>2</sub> or with 0.01 M NaHCO <sub>3</sub> as indices of N mineralisation and microbial biomass. <b>2001</b> , 34, 433-440	7
1652	Microbial community structure and characteristics of the organic matter in soils under Pinus sylvestris, Picea abies and Betula pendula at two forest sites. <b>2001</b> , 33, 17-24	181
1651	Effect of the herbicide butachlor on methane emission and ebullition flux from a direct-seeded flooded rice field. <b>2001</b> , 33, 175-180	18
1650	Kinetics of microbial phosphorus uptake in cultivated soils. <b>2001</b> , 34, 31-41	138
1649	Different sources of heavy metals and their long-term effects on soil microbial properties. <b>2001</b> , 34, 241-247	113

1648	Environmental Indication: A Field Test of an Ecosystem Approach to Quantify Biological Self-Organization. <b>2001</b> , 4, 49-66	25
1647	Forest soil degradation in slopes of the low mountain range of Central Europe âDo deer matter?. <b>2001</b> , 120, 220-230	7
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1645	Influence of the rhizosphere on microbial biomass and recently formed organic matter. <b>2001</b> , 52, 377-384	30
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1643	Nitrogen, carbon and phosphorus mineralization in soils from semi-arid highlands of central Mexico amended with tannery sludge. <b>2001</b> , 77, 121-30	37
1642	Organic matter components, aggregate stability and biological activity in a horticultural soil fertilized with different rates of two sewage sludges during ten years. <b>2001</b> , 77, 109-14	81
1641	Copper and zinc fractions affecting microorganisms in long-term sludge-amended soils. <b>2001</b> , 79, 135-46	99
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1639	Patterns of restoration of soil physicochemical properties and microbial biomass in different landslide sites in the sal forest ecosystem of Nepal Himalaya. <b>2001</b> , 17, 385-401	50
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1637	Impact of deforestation on soil physicochemical characteristics, microbial biomass and microbial activity of tropical soil. <b>2001</b> , 12, 93-105	48
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1618	EFFECT OF FERTILIZATION ON OXIDIZABLE CARBON, MICROBIAL BIOMASS CARBON, AND MINERALIZABLE CARBON UNDER DIFFERENT AGROECOSYSTEMS. <b>2001</b> , 32, 1575-1588	6
1617	EFFECT OF LONG-TERM MONOCULTURE ON MICROBIOLOGICAL AND BIOCHEMICAL PROPERTIES IN SEMIARID SOILS. <b>2001</b> , 32, 537-552	6
1616	Lead distribution in organic matter of loamy oxisol treated with manure and its effect on microbial biomass. <b>2001</b> , 32, 3141-3151	1
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1593	WATER-SOLUBLE ORGANIC MATTER IN SOIL UNDER CHINESE FIR AND MASSON PINE FOREST. <b>2002</b> , 33, 3277-3286		4
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1484	Effects of liming and tillage systems on microbial biomass and glycosidases in soils. <b>2003</b> , 39, 51-61		53
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1476	Indicators for evaluating soil quality. <b>2003</b> , 98, 255-262		438
1475	Soluble organic nitrogen in temperate forest soils. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 333-338	7.5	44
1474	Relationships of soil respiration to microbial biomass, substrate availability and clay content. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 273-284	7.5	352
1473	Dynamics of microbial biomass and nitrogen supply during primary succession on blastfurnace slag dumps in dry tropics. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 365-372	7.5	17
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1470	Burning causes long-term changes in soil organic matter content of a South African grassland. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 677-687	7.5	100
1469	Native woodland expansion: soil chemical and microbiological indicators of change. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 753-764	7.5	28

1468	Effects of irrigation-induced salinity and sodicity on soil microbial activity. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 845-854	7.5	571
1467	Carbon and net nitrogen mineralisation in two forest soils amended with different concentrations of biuret. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 855-866	7.5	8
1466	Adenylates in the soil microbial biomass at different temperatures. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 1063-1069	7.5	11
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1461	Effect of soil compaction on photosynthesis and carbon partitioning within a maize-soil system. <b>2003</b> , 71, 151-161		42
1460	C and N mineralisation in the decomposer food webs of a European forest transect. <b>2003</b> , 102, 294-308		99
1459	Dynamics of the internal soil nitrogen cycles under moder and mull forest floor types on a slope in a <i>Cryptomeria japonica</i> D. Don plantation. <b>2003</b> , 18, 53-64		21
1458	Microbial biomass and abundance after forest fire in pine forests in Japan. <b>2003</b> , 18, 431-441		40
1457	Microbial characteristics of soils on a latitudinal transect in Siberia. <b>2003</b> , 9, 1106-1117		49
1456	Six years of in situ CO <sub>2</sub> enrichment evoke changes in soil structure and soil biota of nutrient-poor grassland. <b>2003</b> , 9, 585-600		128
1455	Soil-surface carbon dioxide efflux and microbial biomass in relation to tree density 13 years after a stand replacing fire in a lodgepole pine ecosystem. <b>2003</b> , 9, 680-696		73
1454	Plant amino acid uptake, soluble N turnover and microbial N capture in soils of a grazed Arctic salt marsh. <b>2003</b> , 91, 627-636		75
1453	Ecosystem Restoration of Jhum Fallows in Northeast India: Microbial C and N Along Altitudinal and Successional Gradients. <b>2003</b> , 11, 168-173		41
1452	Contrasting effects of nitrogen availability on plant carbon supply to mycorrhizal fungi and saprotrophs - a hypothesis based on field observations in boreal forest. <b>2003</b> , 160, 225-238		165
1451	Modelling carbon and nitrogen dynamics in a bare soil with and without straw incorporation. <b>2003</b> , 54, 555-568		91



1450	Monitoring of atrazine treatment on soil bacterial, fungal and atrazine-degrading communities by quantitative competitive PCR. <b>2003</b> , 59, 259-68		29
1449	Regulation of the respiratory quotient of soil microbiota by availability of nutrients. <b>2003</b> , 43, 375-81		65
1448	No-tillage, crop residue additions, and legume cover cropping effects on soil quality characteristics under maize in Patzcuaro watershed (Mexico). <b>2003</b> , 72, 65-73		129
1447	Chapter 8 Microbial indicators. <b>2003</b> , 259-282		19
1446	SOIL MICROBIAL DYNAMICS AND BIOGEOCHEMISTRY IN TROPICAL FORESTS AND PASTURES, SOUTHWESTERN COSTA RICA. <b>2003</b> , 13, 314-326		56
1445	Decomposition and CO <sub>2</sub> -C evolution of okara, sewage sludge, cow and poultry manure composts in soils. <b>2003</b> , 49, 61-68		10
1444	SOIL MICROBES COMPETE EFFECTIVELY WITH PLANTS FOR ORGANIC-NITROGEN INPUTS TO TEMPERATE GRASSLANDS. <b>2003</b> , 84, 1277-1287		266
1443	Recovery of topsoil characteristics after landslip erosion in dry hill country of New Zealand, and a test of the space-for-time hypothesis. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 1575-1586	7.5	85
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1441	Biochemical analysis of soil organic matter and microbial biomass composition— pilot study. <b>2003</b> , 39, 217-224		35
1440	Nitrogen mineralization in paddy soils of the Taihu Region of China under anaerobic conditions: dynamics and model fitting. <b>2003</b> , 115, 161-175		46
1439	Responses of soil microbial processes and community structure to tillage events and implications for soil quality. <b>2003</b> , 114, 305-317		205
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1437	Substrate utilization pattern, biomass and activity of microbial communities in a sequence of heavy metal-polluted paddy soils. <b>2003</b> , 115, 139-148		118
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1433	Variation of stabilised, microbial and biologically active carbon and nitrogen in soil under contrasting land use and agricultural management practices. <b>2003</b> , 52, 557-69		53

1432	Microbial population of spruce soil in Tatachia mountain of Taiwan. <b>2003</b> , 52, 1489-98		14
1431	Soil microbial biomass and nitrogen transformations among five tree species of the Catskill Mountains, New York, USA. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 607-613	7.5	79
1430	Arylsulfatase activity of soil microbial biomass along a Mediterranean-arid transect. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 925-934	7.5	62
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1379	Effect of clay minerals on extractability of heavy metals and sewage sludge mineralization in soil. <b>2004</b> , 20, 123-135	24

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1364	FACTORS AFFECTING THE SOIL MICROBIAL QUALITY MEASUREMENTS OF BIOMASS QUOTIENT AND RESPIRATION QUOTIENT. <b>2004</b> , 18, 73-79	
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1361	Browsing by red deer negatively impacts on soil nitrogen availability in regenerating native forest. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 115-126	7.5 59

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1358	Amino sugars and muramic acidâ€”Biomarkers for soil microbial community structure analysis. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 399-407	7.5	204
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1356	Peat amendment and production of different crop plants affect earthworm populations in field soil. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 415-423	7.5	10
1355	Hydrolase activity, microbial biomass and community structure in long-term Cd-contaminated soils. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 443-451	7.5	93
1354	Seasonal dynamics of leaf- and root-derived C in arctic tundra mesocosms. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 655-666	7.5	49
1353	Microbial biomass and bacterial functional diversity in forest soils: effects of organic matter removal, compaction, and vegetation control. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 571-579	7.5	108
1352	Nutrient limitations to soil microbial biomass and activity in loblolly pine forests. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 581-589	7.5	130
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1349	Tropical savannah woodland: effects of experimental fire on soil microorganisms and soil emissions of carbon dioxide. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 849-858	7.5	86
1348	Microbial community composition and substrate use in a highly weathered soil as affected by crop rotation and P fertilization. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 889-901	7.5	158
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1343	Carbon stocks, soil respiration and microbial biomass in fire-prone tropical grassland, woodland and forest ecosystems. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 1707-1717	7.5	94

1342	Soil microbial biomass: its assay and role in turnover of organic matter C and N. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 1369-1372	7.5	17
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1336	Hydraulic constraints on the performance of a groundwater denitrification wall for nitrate removal from shallow groundwater. <b>2004</b> , 69, 263-79		67
1335	Effects of weed communities with various species numbers on soil features in a subtropical orchard ecosystem. <b>2004</b> , 102, 377-388		37
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1332	Chemical and biological indicators of decline/degradation of <i>Brachiaria</i> pastures in the Brazilian Cerrado. <b>2004</b> , 103, 289-300		58
1331	Chemical and Biochemical Characteristics of Alpine Soils in the Tatra Mountains and their Correlation with Lake Water Quality. <b>2004</b> , 153, 307-328		36
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1328	Overwinter greenhouse gas fluxes in two contrasting agricultural habitats. <b>2004</b> , 70, 117-133		68
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1326	Legume rotation effects on early growth and rhizosphere microbiology of sorghum in West African soils. <b>2004</b> , 264, 325-334		17
1325	Climate Change Affects Carbon Allocation to the Soil in Shrublands. <b>2004</b> , 7, 650		85

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1313	Short- and long-term effects on soil microorganisms of two potato pesticide spraying sequences with either glufosinate or dinoseb as defoliant. <b>2004</b> , 40, 268	25
1312	Effects of plant species on microbial biomass phosphorus and phosphatase activity in a range of grassland soils. <b>2004</b> , 40, 313-322	48
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1124	Assessing effects of forest management on microbial community structure in a central European beech forest. <b>2006</b> , 36, 2595-2604		16
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1121	Effect of Management Practices on Seasonal Dynamics of Organic Carbon in Soils Under Bamboo Plantations . <b>2006</b> , 16, 525-531		34
1120	Methods for evaluating human impact on soil microorganisms based on their activity, biomass, and diversity in agricultural soils. <b>2006</b> , 169, 295-309		187
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1100	Effects of lead contamination on soil microbial activity and rice physiological indices in soil-Pb-rice ( <i>Oryza sativa</i> L.) system. <b>2006</b> , 65, 567-74	33
1099	Decomposition of heavy metal contaminated nettles ( <i>Urtica dioica</i> L.) in soils subjected to heavy metal pollution by river sediments. <b>2006</b> , 65, 981-7	23
1098	Nitrogen fertilization decreases forest soil fungal and bacterial biomass in three long-term experiments. <b>2006</b> , 222, 459-468	231
1097	Effect of girdling on soil respiration and root composition in a sweet chestnut forest. <b>2006</b> , 225, 271-277	37
1096	Seasonal changes in soil labile organic carbon pools within a <i>Phyllostachys praecox</i> stand under high rate fertilization and winter mulch in subtropical China. <b>2006</b> , 236, 30-36	93
1095	Influences of thinning, prescribed burning, and wildfire on soil processes and properties in southwestern ponderosa pine forests: A retrospective study. <b>2006</b> , 234, 123-135	92
1094	Nutritional status and growth of a young <i>Pseudotsuga menziesii</i> plantation in a temperate region after application of wood-bark ash. <b>2006</b> , 237, 312-321	28
1093	Influence of soil pattern on matter transport in and from terrestrial biogeosystemsâA new concept for landscape pedology. <b>2006</b> , 133, 107-123	53
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1080	Efecto de la Aplicaci <sup>3</sup> n de Herbicidas en Condiciones de Campo Sobre Algunas Actividades Biol <sup>3</sup> gicas. <b>2006</b> , 6, 64	
1079	Crushed Cotton Gin Compost Effects on Soil Biological Properties, Nutrient Leaching Losses, and Maize Yield. <b>2006</b> , 98, 749-759	9
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1077	Evaluation of extracted organic carbon and microbial biomass as stability parameters in ligno-cellulosic waste composts. <b>2006</b> , 35, 2313-20	19
1076	Potencialidade da casca de caranguejo na redu <sup>3</sup> ç <sup>3</sup> o da incid <sup>3</sup> ncia de fusariose e na promo <sup>3</sup> ç <sup>3</sup> o do crescimento de mudas de pimenteira-do-reino. <b>2006</b> , 31, 180-184	5
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1054	Spatial Distribution of Microbial 2,4-Dichlorophenoxy Acetic Acid Mineralization from Field to Microhabitat Scales. <b>2006</b> , 70, 64-71	33
1053	Decoupling the direct and indirect effects of nitrogen deposition on ecosystem function. <b>2006</b> , 9, 1015-24	93
1052	Soil development on restored opencast coal sites with particular reference to organic matter and aggregate stability. <b>2006</b> , 14, 234-239	33
1051	A field study of gross rates of N mineralization and nitrification and their relationships to microbial biomass and enzyme activities in soils treated with dairy effluent and ammonium fertilizer. <b>2006</b> , 15, 188-194	57
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1047	Improvements in soil quality and performance of mycorrhizal <i>Cistus albidus</i> L. seedlings resulting from addition of microbially treated sugar beet residue to a degraded semiarid Mediterranean soil. <b>2006</b> , 19, 277-283	2
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1045	Landscape-scale soil quality change under different farming systems of a tropical farm in Hainan, China. <b>2006</b> , 21, 58-64	3
1044	Initial results from a long-term, multi-site field study of the effects on soil fertility and microbial activity of sludge cakes containing heavy metals. <b>2006</b> , 22, 11-21	43
1043	Initial results from long-term field studies at three sites on the effects of heavy metal-amended liquid sludges on soil microbial activity. <b>2006</b> , 22, 180-187	24
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1037	Relative importance of substrate type and previous soil management in synthesis of microbial biomass and substrate mineralization. <b>2006</b> , 57, 179-189	15

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1034	Estimating soil carbon sequestration under elevated CO <sub>2</sub> by combining carbon isotope labelling with soil carbon cycle modelling. <b>2006</b> , 12, 1909-1921	36
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1026	Responses of soil microbial biomass and N availability to transition strategies from conventional to organic farming systems. <b>2006</b> , 113, 206-215	77
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1022	The Effects of Crop Rotation and Nitrogen Fertilization on Soil Chemical and Microbial Properties in a Guinea Savanna Alfisol of Nigeria. <b>2006</b> , 281, 97-107	27
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1020	Can the Biochemical Features and Histology of Wheat Residues Explain their Decomposition in Soil?. <b>2006</b> , 281, 291-307	96
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1018	Arbuscular Mycorrhizas, Microbial Communities, Nutrient Availability, and Soil Aggregates in Organic Tomato Production. <b>2006</b> , 282, 209-225	181
1017	Effects of Single Chinese Fir and Mixed Leaf Litters on Soil Chemical, Microbial Properties and Soil Enzyme Activities. <b>2006</b> , 282, 379-386	59
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1013	Effects of forest management on soil N cycling in beech forests stocking on calcareous soils. <b>2006</b> , 287, 279-300	83
1012	Microbial Biomass, N Mineralization and Nitrification, Enzyme Activities, and Microbial Community Diversity in Tea Orchard Soils. <b>2006</b> , 288, 319-331	87
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1009	Immediate Impact of the Flood (Bohemia, August 2002) on Selected Soil Characteristics. <b>2006</b> , 173, 177-193	12
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1006	Wildfire effects on microbial biomass and diversity in pine forests at three topographic positions. <b>2006</b> , 21, 54-63	19
1005	Comparing soil CO <sub>2</sub> emission in pine plantation and oak shrub: dynamics and correlations. <b>2006</b> , 21, 840-848	16
1004	Fine Roots vs. Needles: A Comparison of <sup>13</sup> C and <sup>15</sup> N Dynamics in a Ponderosa Pine Forest Soil. <b>2006</b> , 79, 361-382	116
1003	Experiments on Ecological Restoration of Coal Mine Spoil using Native Trees in a Dry Tropical Environment, India: A Synthesis. <b>2006</b> , 31, 25-39	64
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1000	Soil microbial biomass, abundance, and diversity in a Japanese red pine forest: first year after fire. <b>2006</b> , 11, 165-173	33
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994	Microbial biomass and its activities in salt-affected coastal soils. <b>2006</b> , 42, 273-277	175
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992	Distribution and fate of <sup>13</sup> C-labeled root and straw residues from ryegrass and crimson clover in soil under western Oregon field conditions. <b>2006</b> , 42, 523-531	24
991	Changes in microbial biomass and microbial activity of pig slurry after the transit through the gut of the earthworm <i>Eudrilus eugeniae</i> (Kinberg, 1867). <b>2006</b> , 42, 371-376	46
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988	Interaction between AM fungi and a liquid organic amendment with respect to enhancement of the performance of the leguminous shrub <i>Retama sphaerocarpa</i> . <b>2006</b> , 43, 30-38	7
987	Decomposition of pea and maize straw in Pakistani soils along a gradient in salinity. <b>2006</b> , 43, 93-101	75
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982	Cadaver decomposition in terrestrial ecosystems. <b>2007</b> , 94, 12-24		372
981	Soil quality response to tillage and crop residue removal under subarctic conditions. <b>2006</b> , 91, 15-21		15
980	Chemical and biochemical properties in a silty loam soil under conventional and organic management. <b>2006</b> , 90, 162-170		183
979	The relationships between erodibility and erosion in a soil treated with two organic amendments. <b>2006</b> , 91, 186-198		58
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977	Microbial biomass in subtropical forest soils: effect of conversion of natural secondary broad-leaved forest to <i>Cunninghamia lanceolata</i> plantation. <b>2006</b> , 17, 197-200		7
976	Crushed cotton gin compost on soil biological properties and rice yield. <b>2006</b> , 25, 22-29		57
975	Solarization and fungicides for the control of drop, bottom rot and weeds in lettuce. <b>2006</b> , 25, 31-38		29
974	Simulating soil C dynamics with EPIC: Model description and testing against long-term data. <b>2006</b> , 192, 362-384		334
973	Evaluation of dissipation mechanisms by <i>Lolium perenne</i> L, and <i>Raphanus sativus</i> for pentachlorophenol (PCP) in copper co-contaminated soil. <b>2006</b> , 368, 814-22		60
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968	Soil microbial biomass, activity and nitrogen transformations in a turfgrass chronosequence. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 311-319	7.5	65
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964	Effects of elevated CO <sub>2</sub> concentration on rhizodeposition from <i>Lolium perenne</i> grown on soil exposed to 9 years of CO <sub>2</sub> enrichment. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 729-736	7.5	28
963	Partitioning root and microbial contributions to soil respiration in <i>Leymus chinensis</i> populations. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 653-660	7.5	50
962	Acid hydrolysis to partition plant material into decomposable and resistant fractions for use in the Rothamsted carbon model. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 812-816	7.5	64
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712	Nitrogen fertilization degrades soil aggregation by increasing ammonium ions and decreasing biological binding agents on a Vertisol after 12 years. <b>2022</b> , 32, 629-636		0
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710	Recycling of agricultural (orange and olive) bio-wastes into ecofriendly fertilizers for improving soil and garlic quality. <b>2022</b> , 15, 200083		0
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