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1427	The effects of feeding by the sand dollar <i>Mellita quinquesperforata</i> (Leske) on the benthic microbial community. 1983 , 72, 25-41		53
1426	Improved method of determining muramic acid from environmental samples. 1983 , 3, 135-150		37
1425	Effect of well-drilling fluids on the physiological status and microbial infection of the reef building coral <i>Montastrea annularis</i> . 1984 , 13, 113-118		6
1424	An experimental investigation of enhanced harpacticoid (Copepoda) abundances around isolated seagrass shoots. <i>Oecologia</i> , 1984 , 63, 295-299	2.9	34
1423	Lipid composition and vertical distribution of bacteria in aerobic sediments of the Venezuela Basin. 1984 , 31, 403-413		33
1422	Determination of the gram-positive bacterial content of soils and sediments by analysis of teichoic acid components. 1984 , 2, 165-76		18
1421	Phospholipid, ester-linked fatty acid profiles as reproducible assays for changes in prokaryotic community structure of estuarine sediments. 1985 , 31, 147-158		502
1420	Phospholipid and lipopolysaccharide normal and hydroxy fatty acids as potential signatures for methane-oxidizing bacteria. 1985 , 31, 327-335		109
1419	Biomass and community structure of the abyssal microbiota determined from the ester-linked phospholipids recovered from Venezuela Basin and Puerto Rico Trench sediments. 1985 , 68, 217-31		43

1418	Characterization of microbial populations in polluted marine sediments. 1985 , 59, 155S-173S		11
1417	Determination of phospholipid ester-linked fatty acids and poly β -hydroxybutyrate for the estimation of bacterial biomass and activity in the rhizosphere of the rape plant <i>Brassica napus</i> (L.). 1985 , 31, 1113-1119		53
1416	Microbial biomass and productivity in seagrass beds. 1985 , 4, 21-51		63
1415	The biomass, community structure, and spatial distribution of the sedimentary microbiota from a high-energy area of the deep sea. 1985 , 32, 1089-1099		37
1414	Effects of different temperature regimes on microbial activity and biomass in composting municipal sewage sludge. 1985 , 31, 919-925		22
1413	Determination of microbial fatty acid profiles at femtomolar levels in human urine and the initial marine microfouling community by capillary gas chromatography-chemical ionization mass spectrometry with negative ion detection. 1985 , 3, 331-344		38
1412	Lipid components of the epiphyte material, suspended particulate matter and cultured bacteria from a seagrass, <i>Posidonia australis</i> , community as indicators of carbon source. 1985 , 80, 315-325		2
1411	Extraction of bacterial lipopolysaccharides from soil samples and their determination using the <i>Limulus</i> ameobocyte lysate reaction. <i>Soil Biology and Biochemistry</i> , 1985 , 17, 811-814	7.5	3
1410	A convenient method for measuring rates of phospholipid synthesis in seawater and sediments: its relevance to the determination of bacterial productivity and the disturbance artifacts introduced by measurements. 1985 , 3, 321-330		29
1409	Transformation of a tundra river from heterotrophy to autotrophy by addition of phosphorus. 1985 , 229, 1383-6		190
1408	Archaeobacterial ether lipids: Natural tracers of biogeochemical processes. 1986 , 10, 859-867		17
1407	Quantitative characterization of microbial biomass and community structure in subsurface material: a prokaryotic consortium responsive to organic contamination. 1986 , 32, 104-111		95
1406	The effect of organic matter and oxygen on the degradation of bacterial membrane lipids in marine sediments. 1986 , 50, 795-804		245
1405	Environmental effects testing with quantitative microbial analysis: Chemical signatures correlated with in situ biofilm analysis by FT/IR. 1986 , 1, 315-338		13
1404	Comparison of fatty acid content and DNA homology of the filamentous gliding bacteria <i>Vitreoscilla</i> , <i>Flexibacter</i> , <i>Filibacter</i> . 1986 , 146, 1-6		86
1403	High proportions of tetraether phospholipids in <i>Methanobacterium thermoautotrophicum</i> strain Hveragerdi measured by high performance liquid chromatography. 1986 , 35, 115-118		8
1402	Polar lipid ester-linked fatty acid composition of Lake Vechten seston: an ecological application of lipid analysis. 1986 , 38, 381-396		40
1401	Signature fatty acids in the polar lipids of acid-producing <i>Thiobacillus</i> spp.: Methoxy, cyclopropyl, alpha-hydroxy-cyclopropyl and branched and normal monoenoic fatty acids. 1986 , 38, 67-77		64

1400	LIPIDS IN BLUE-GREEN ALGAL MATS (MODERN STROMATOLITES) FROM ANTARCTIC OASIS LAKES1. 1986 , 22, 523-530	13
1399	Forms of Biomass. 1986 , 39-58	
1398	Fluorometric determination of the neutral lipid content of microalgal cells using Nile Red. 1987 , 6, 333-345	265
1397	A simplified method for bacterial nutritional status based on the simultaneous determination of phospholipid and endogenous storage lipid poly- β -hydroxyalkanoate. 1987 , 6, 113-120	20
1396	Association of acid-producing thiobacilli with degradation of concrete: analysis by signature fatty acids from the polar lipids and lipopolysaccharide. 1987 , 2, 63-69	18
1395	Biotransformation of trichloroethene in a variety of subsurface materials. 1987 , 6, 571-578	36
1394	Characterization of microbial traits associated with glyphosate biodegradation in industrial activated sludge. 1988 , 3, 377-385	16
1393	Equivalence of microbial biomass measures based on membrane lipid and cell wall components, adenosine triphosphate, and direct counts in subsurface aquifer sediments. 1988 , 16, 73-84	302
1392	Biochemical markers for measurement of predation effects on the biomass, community structure, nutritional status, and metabolic activity of microbial biofilms. 1988 , 159, 119-132	37
1391	Phospholipid fatty acid and infra-red spectroscopic analysis of a sulphate-reducing consortium. 1988 , 53, 325-333	29
1390	On-line high-performance liquid chromatography-post-column reaction-capillary gas chromatography analysis of lipids in biological samples. 1988 , 454, 157-67	6
1389	Microscale dispersion of meiobenthic copepods in response to food-resource patchiness. 1988 , 118, 229-243	64
1388	Evaluation of a hexane/isopropanol lipid solvent system for analysis of bacterial analysis of bacterial phospholipids and application to chloroform-soluble Nuclepore (polycarbonate) membranes with retained bacteria. 1988 , 8, 131-137	20
1387	Lipid solvent systems are not equivalent for analysis of lipid classes in the microeukaryotic green alga, <i>Chlorella</i> . 1988 , 8, 139-149	60
1386	Analysis of Carbon Steels Affected by Bacteria Using Electrochemical Impedance and Direct Current Techniques. 1988 , 44, 869-874	31
1385	Marine Biofouling. 1988 , 28, 89-119	17
1384	Lipid Analysis in Microbial Ecology. 1989 , 39, 535-541	613
1383	Comparison of three techniques for administering radiolabeled substrates to sediments for trophic studies: Incorporation by microbes. 1989 , 17, 237-50	22

1382	Microbial selective plugging and enhanced oil recovery. 1989 , 4, 215-229	54
1381	Stimulation of the methylcoenzyme M reduction by uridine-5'-diphospho-sugars in cell-free extracts of <i>Methanobacterium thermoautotrophicum</i> (strain delta H). 1989 , 184, 395-403	10
1380	Variation of parameters affecting the start-up of methanogenic fluidized bed reactors. 1989 , 11, 907-912	8
1379	The effects of nutrient limitation and stream discharge on the epilithic microbial community in an oligotrophic Arctic stream. 1989 , 172, 19-26	12
1378	Microscopic examination and fatty acid characterization of filamentous bacteria colonizing substrata around subtidal hydrothermal vents. 1989 , 152, 64-71	40
1377	Validation of signature polarlipid fatty acid biomarkers for alkane-utilizing bacteria in soils and subsurface aquifer materials. 1989 , 62, 39-50	85
1376	Characterization of an Extremely Thermophilic Archaeobacterium Isolated from a Black Smoker Polychaete (<i>Paralvinella</i> sp.) at the Juan de Fuca Ridge. 1989 , 12, 249-256	56
1375	Measurement of phospholipid fatty acids at picomolar concentrations in biofilms and deep subsurface sediments using gas chromatography and chemical ionization mass spectrometry. 1989 , 10, 139-153	44
1374	8 Methods for Studying Adhesion and Attachment to Surfaces. 1990 , 251-283	17
1373	Effects of substrate concentration, growth state, and oxygen availability on relationships among bacterial carbon, nitrogen and phospholipid phosphorus content. 1990 , 7, 345-355	7
1372	Effects of substrate concentration, growth state, and oxygen availability on relationships among bacterial carbon, nitrogen and phospholipid phosphorus content*. 1990 , 74, 345-355	18
1371	Identification and catabolism of (Z)-II-Octadecenyl acetate in <i>Drosophila funebris</i> (diptera:drosophilidae). 1990 , 95, 663-668	
1370	Microbial community structure and biomass estimates of a methanogenic Antarctic Lake ecosystem as determined by phospholipid analyses. 1990 , 19, 73-95	73
1369	Differential adhesion, activity, and carbohydrate: Protein ratios of <i>Pseudomonas atlantica</i> monocultures attaching to stainless steel in a linear shear gradient. 1990 , 19, 269-78	30
1368	Early stages in biofilm development in methanogenic fluidized-bed reactors. <i>Applied Microbiology and Biotechnology</i> , 1990 , 33, 352-8	5-7 32
1367	Effects of bacterial exopolymer adhesion on the entrainment of sand. 1990 , 8, 1-16	156
1366	Fast start-up of methanogenic fluidized bed reactors by control of organic load and composition. 1990 , 11, 401-408	2
1365	1 Methods for Enumerating Microorganisms and Determining Biomass in Natural Environments. 1990 , 22, 1-39	58

1364	Occurrence of novel C30 sterols in Antarctic sea-ice diatom communities during a spring bloom. 1990 , 15, 503-508	52
1363	Biofilm characteristics in coastal waters of Bombay. 1990 , 99, 163-173	8
1362	Photosynthesis-based microbial communities on two churches in northern Germany: Weathering of granite and glazed brick. 1991 , 9, 103-118	36
1361	The Phospholipid Ester-linked Fatty Acid Composition of Members of the Family Halomonadaceae and Genus Flavobacterium: A Chemotaxonomic Guide. 1991 , 14, 8-13	26
1360	The Phospholipid Ester-linked Fatty Acid Composition of Thermophilic Bacteria. 1991 , 14, 311-316	15
1359	Influence of cathodic protection of mild steel on the growth of sulphate-reducing bacteria at 35°C in marine sediments. 1991 , 3, 339-348	32
1358	Microbial biomass measured as total lipid phosphate in soils of different organic content. 1991 , 14, 151-163	669
1357	Membrane fatty acids as phenotypic markers in the polyphasic taxonomy of methyloprophs within the Proteobacteria. 1991 , 137, 2631-41	106
1356	Ch. R-2 Analysis of Biomass in Rock Cores Following Nutrient Stimulation. 1991 , 45-59	2
1355	The effects of oxygen and chloroform on microbial activities in a high-solids, high-productivity anaerobic biomass reactor. 1991 , 1, 207-212	8
1354	Starvation and overfeeding stress on microbial activities in high-solids high-yield methanogenic digesters. 1991 , 1, 75-82	7
1353	Lipids of cultured <i>Phaeocystis pouchetii</i> : Signatures for food-web, biogeochemical and environmental studies in Antarctica and the Southern ocean. 1991 , 30, 3209-3214	67
1352	Biogeochemistry of billabong sediments. I. The effect of macrophytes. 1991 , 26, 209-226	39
1351	A comparison of phospholipid and chloroform fumigation analyses for biomass in soil: potentials and limitations. 1991 , 8, 257-267	7
1350	A comparison of phospholipid and chloroform fumigation analyses for biomass in soil: potentials and limitations. 1991 , 85, 257-268	17
1349	Disturbance, starvation, and overfeeding stresses detected by microbial lipid biomarkers in high-solids high-yield methanogenic reactors. 1991 , 8, 91-98	18
1348	Biomass and organic acids in sandstone of a weathering building: Production by bacterial and fungal isolates. 1991 , 21, 253-66	58
1347	Bacterial assemblages in rivers and billabongs of Southeastern Australia. 1991 , 22, 27-52	31

1346	Coupled nitrification-denitrification associated with liquid manure in a gel-stabilized model system. 1991 , 12, 19-27		32
1345	Preliminary description and nutritional characterization of a chemoorganotrophic archaeobacterium growing at temperatures of up to 110 ° isolated from a submarine hydrothermal vent environment. 1991 , 137, 203-211		49
1344	Comparison of growth characteristics of anaerobic fungi isolated from ruminant and non-ruminant herbivores during cultivation in a defined medium. 1991 , 137, 1401-8		84
1343	Subsurface, terrestrial microbial ecology and biodegradation of organic chemicals: A review. 1992 , 22, 67-136		37
1342	Determination of microbial biomass and its community structure from the distribution of phospholipid ester-linked fatty acids in sediments of Hiroshima Bay and its adjacent bays. 1992 , 34, 501-514		15
1341	Microbial community structure in sediments of a polluted bay as determined by phospholipid ester-linked fatty acids. 1992 , 24, 305-309		16
1340	Signature fatty acids in phospholipids and lipopolysaccharides as indicators of microbial biomass and community structure in agricultural soils. <i>Soil Biology and Biochemistry</i> , 1992 , 24, 317-323	7.5	375
1339	Control mechanisms of arctic lake ecosystems: a limnocorral experiment. 1992 , 240, 143-188		33
1338	Lipid components in anal scent sacs of three mongoose species (<i>Helogale parvula</i> , <i>Crossarchus obscurus</i> , <i>Suricata suricatta</i>). 1992 , 18, 1511-24		13
1337	The effects of growth temperature on the methyl sterol and phospholipid fatty acid composition of <i>Methylococcus capsulatus</i> (Bath). 1992 , 72, 209-12		28
1336	Anaerobic production of polyunsaturated fatty acids by <i>Shewanella putrefaciens</i> strain ACAM 342. 1992 , 98, 117-122		22
1335	Microbial biomass and community structure of a phase-separated methanogenic reactor determined by lipid analysis. 1992 , 9, 193-199		7
1334	Distribution of phospholipid ester-linked fatty acid biomarkers for bacteria in the sediment of Ise Bay, Japan. 1993 , 42, 39-56		67
1333	Application of analytical microbial ecology to the anaerobic conversion of biomass to methane. 1993 , 5, 247-259		3
1332	<i>Geobacter metallireducens</i> gen. nov. sp. nov., a microorganism capable of coupling the complete oxidation of organic compounds to the reduction of iron and other metals. 1993 , 159, 336-44		762
1331	Biofilms on submerged River Red Gum (<i>Eucalyptus camaldulensis</i> Dehnh. Myrtaceae) wood in billabongs: an analysis of bacterial assemblages using phospholipid profiles. 1993 , 259, 169-178		16
1330	Fractionation of fatty acids derived from soil lipids by solid phase extraction and their quantitative analysis by GC-MS. <i>Soil Biology and Biochemistry</i> , 1993 , 25, 495-507	7.5	174
1329	Shifts in the structure of soil microbial communities in limed forests as revealed by phospholipid fatty acid analysis. <i>Soil Biology and Biochemistry</i> , 1993 , 25, 723-730	7.5	1075

1328	Microbial biomass estimated by phospholipid phosphate in soils with diverse microbial communities. <i>Soil Biology and Biochemistry</i> , 1993 , 25, 1779-1786	7.5	44
1327	Direct measurements of oxygen microprofiles and distribution of phospholipid-P in a two-phase soil/nanure system. 1993 , 56, 549-559		9
1326	In situ measurement of microbial biomass, community structure and nutritional status. 1993 , 344, 59-67		57
1325	Phylogenetic analysis of a bacterial aerobic degrader of azo dyes. 1993 , 175, 6062-6		28
1324	The lipid composition of <i>Euphausia superba</i> Dana in relation to the nutritional value of <i>Phaeocystis pouchetii</i> (Hariot) Lagerheim. 1993 , 5, 169-177		45
1323	Is there anything else you need to understand about the microbiota that cannot be derived from analysis of nucleic acids?. 1994 , 28, 163-6		26
1322	Mikrobielle Werkstoffzerstörung (Simulation, Schadensfälle und Gegenmaßnahmen für anorganische nichtmetallische Werkstoffe: Mikrobielle Aktivitäten in verwitterndem Gesteinsmaterial: Biomasse, Gesellschaftsstruktur und Nährstoffe. 1994 , 45, 114-116		2
1321	Feasibility testing for the on-site bioremediation of organic wastes by native microbial consortia. 1994 , 33, 41-59		1
1320	Cathodic protection and microbially induced corrosion. 1994 , 34, 275-288		29
1319	Simplex focusing of retention times and latent variable projections of chromatographic profiles. 1994 , 22, 49-61		27
1318	Evaluation of biomass. 1994 , 51, 47-70		7
1317	Fatty acid composition of Antarctic and temperate fish of commercial interest. 1994 , 107, 357-363		11
1316	Detection of the anaerobic dechlorinating microorganism <i>Desulfomonile tiedjei</i> in environmental matrices by its signature lipopolysaccharide branched-long-chain hydroxy fatty acids. 1994 , 14, 9-18		34
1315	Comparison of phylogenetic relationships based on phospholipid fatty acid profiles and ribosomal RNA sequence similarities among dissimilatory sulfate-reducing bacteria. 1994 , 119, 303-8		152
1314	Lipids from the bull kelp <i>Durvillaea potatorum</i> . 1994 , 37, 673-676		15
1313	Tuberculostearic acid as a means of estimating the recovery (using dispersion and differential centrifugation) of actinomycetes from soil. 1994 , 20, 69-77		14
1312	Microbial biomass, metabolic activity and nutritional status determined from fatty acid patterns and poly-hydroxybutyrate in agriculturally-managed soils. <i>Soil Biology and Biochemistry</i> , 1994 , 26, 439-446 ⁵	7.5	164
1311	Sulfonolipids as a biomarker to monitor the population dynamics of the genera <i>Cytophaga</i> and <i>Flexibacter</i> in soil worked by the earthworm <i>Aporrectodea turgida</i> . <i>Soil Biology and Biochemistry</i> , 1994 , 26, 1395-1403	7.5	6

1310	Density, porosity, and pore structure of biofilms. 1994 , 28, 2267-2277	219
1309	Fatty acid patterns of phospholipids and lipopolysaccharids in environmental samples. 1994 , 28, 391-411	52
1308	Microbial and meiofaunal abundance, redox potential, pH and shear strength profiles in deep sea Pacific sediments. 1994 , 151, 377-390	22
1307	Chemical Ecology: Possible Linkage between Macro- and Microbial Ecology. 1995 , 74, 177	39
1306	Molecular and isotopic tracers used to examine sources of organic matter and its incorporation into the food webs of San Francisco Bay. 1995 , 40, 67-81	166
1305	Environmental impact of salmon net-pen culture on marine benthic communities in Maine: A case study. 1995 , 18, 145	135
1304	The functional significance of the microbial biomass in organic and conventionally managed soils. 1995 , 170, 87-97	71
1303	Microbial community structure analysis of euxinic sediments using phospholipid fatty acid biomarkers. 1995 , 51, 21-38	19
1302	Determination of phospholipid- and lipopolysaccharide-derived fatty acids as an estimate of microbial biomass and community structures in soils. 1995 , 19, 115-123	166
1301	Biochemical composition of <i>Nyctiphanes australis</i> and its possible use as an aquaculture feed source: Lipids, pigments and fluoride content. 1995 , 122, 121-128	28
1300	Isolation and characterization of extremely thermophilic archaeobacteria related to the genus <i>Thermococcus</i> from deep-sea hydrothermal guaymas basin. 1995 , 31, 186-192	16
1299	Microbial growth and resuscitation alter community structure after perturbation. 1995 , 17, 27-38	30
1298	Estimation of cell numbers of methanotrophic bacteria in boreal peatlands based on analysis of specific phospholipid fatty acids. 1995 , 18, 103-112	65
1297	A new n-C31:9polyene hydrocarbon from Antarctic bacteria. 1995 , 125, 281-285	27
1296	Fecundity and its variability in orange roughy: effects of population density, condition, egg size, and senescence. 1995 , 47, 1063-1080	58
1295	Biofiltration performance: part 1, relationship to biomass. 1995 , 87, 55-63	125
1294	Degradation of hazardous organic compounds by rhizosphere microbial communities. 1995 , 32, 205-225	8
1293	Phospholipid and FDA activity measurements adapted to biological GAC. 1995 , 30, 263-280	1

1292	Experimental investigation of the effects of polynuclear aromatic hydrocarbons on an estuarine sediment food web. 1995 , 40, 289-318	68
1291	Analysis of microbial hydrocarbon degradation using TLC-FID. 1995 , 22, 119-130	11
1290	Combined microbial community-level analyses for quality assurance of terrestrial subsurface cores. 1995 , 22, 263-281	90
1289	Methods for the study of rock-inhabiting microorganisms—A mini review. 1995 , 23, 143-167	78
1288	Community structure. 1995 , 419-462	19
1287	Quantification of viable biomass in biofilm reactors by extractable lipid phosphate. <i>Applied Microbiology and Biotechnology</i> , 1995 , 43, 781-785	5-7 3
1286	Combined lipid/DNA extraction method for environmental samples. 1996 , 25, 153-163	14
1285	Simultaneous estimation of microbial phospholipid fatty acids and diether lipids by capillary gas chromatography. 1996 , 25, 177-185	35
1284	Enrichment of the rotifer <i>Brachionus plicatilis</i> fed an Antarctic bacterium containing polyunsaturated fatty acids. 1996 , 147, 115-125	39
1283	Microbial biomass and activities in deep-sea sediments of the Eastern Mediterranean: trenches are benthic hotspots. 1996 , 43, 1439-1460	85
1282	Methyl mercury production in freshwater microcosms affected by dissolved oxygen levels: role of cobalamin and microbial community composition. 1996 , 53, 1535-1545	18
1281	Monitoring deep subsurface microbiota for assessment of safe long-term nuclear waste disposal. 1996 , 42, 375-381	8
1280	Soil Microbial Communities Beneath <i>Populus Grandidentata</i> Grown Under Elevated Atmospheric CO ₂ . 1996 , 6, 257-262	154
1279	The use of phospholipid fatty acid analysis to estimate bacterial and fungal biomass in soil. 1996 , 22, 59-65	1726
1278	Biofilm ecology: On-line methods bring new insights into mic and microbial biofouling. 1996 , 10, 3-16	20
1277	Lipid compounds in secretions of fishing bat, <i>Noctilio leporinus</i> (Chiroptera: Noctilionidae). 1996 , 22, 1411-28	25
1276	Quantitative comparisons of in situ microbial biodiversity by signature biomarker analysis. 1996 , 17, 185-196	177
1275	Desert system microbial biomass determined by phospholipid phosphate and muramic acid measurement. 1996 , 7, 257-265	3

1274	Microbial detection. 1996 , 11, 455-77	131
1273	Reproductive trade-off in male Antarctic krill, <i>Euphausia superba</i> . 1996 , 126, 521-527	51
1272	The phosphorus composition of a diverse series of Australian sediments. 1996 , 335, 63-73	54
1271	Cryptoendolithic microorganisms from Antarctic sandstone of Linnaeus Terrace (Asgard Range): diversity, properties and interactions. 1996 , 5, 1337-1363	54
1270	Differential Metabolism of Dimethylsulfonylpropionate and Acrylate in Saline and Brackish Intertidal Sediments. 1996 , 31, 319-30	10
1269	Bacterial abundance and diversity in the Barbados Trench determined by phospholipid analysis. 1996 , 19, 83-93	51
1268	Molecular Microbial Ecology Manual. 1996 ,	13
1267	ATP Measurement in Compost. 1996 , 4, 6-17	18
1266	Community Structure of Soil Microorganisms. 1996 , 76-92	1
1265	The use of phospholipid fatty acids to determine microbial community structure. 1996 , 77-93	16
1264	Pore-size constraints on the activity and survival of subsurface bacteria in a late cretaceous shale-sandstone sequence, northwestern New Mexico. 1997 , 14, 183-202	162
1263	Development of Methods to Measure Carbon Isotope Ratios of Bacterial Biomarkers in the Environment. 1997 , 33, 131-144	21
1262	Quantitative Sampling of Indoor Air Biomass by Signature Lipid Biomarker Analysis: Feasibility Studies in a Model System. 1997 , 58, 270-277	8
1261	The influence of physical heterogeneity on microbial degradation and distribution in porous media. 1997 , 33, 1087-1103	109
1260	Faunal and Microbial Diversity in Three Welsh Grassland Soils Under Conventional and Organic Management Regimes. 1997 , 34, 453	153
1259	Characterization of microbial communities in deep groundwater from granitic rock. 1997 , 43, 272-283	25
1258	FRESHWATER INPUT TO A GULF ESTUARY: LONG-TERM CONTROL OF TROPHIC ORGANIZATION. 1997 , 7, 277-299	104
1257	Comparative description of microbial community structure in surface sediments of eutrophic bays. 1997 , 34, 26-33	42

1256	Signature Lipid Biomarker Analysis for Quantitative Assessment In Situ of Environmental Microbial Ecology. 1997 , 22-34		14
1255	Seasonality of the soil biota of grazed and ungrazed hill grasslands. <i>Soil Biology and Biochemistry</i> , 1997 , 29, 1285-1294	7.5	184
1254	Changes in soil microbial properties and phospholipid fatty acid fractions after chloroform fumigation. <i>Soil Biology and Biochemistry</i> , 1997 , 29, 1325-1336	7.5	96
1253	Phospholipid fatty acid profiles in selected members of soil microbial communities. 1997 , 35, 275-94		576
1252	Polyunsaturated fatty acids in the psychrophilic bacterium <i>Shewanella gelidimarina</i> ACAM 456T: molecular species analysis of major phospholipids and biosynthesis of eicosapentaenoic acid. 1997 , 1347, 164-76		34
1251	Rapid extraction of lipid biomarkers from pure culture and environmental samples using pressurized accelerated hot solvent extraction. 1997 , 31, 19-27		68
1250	Chapter 2. MICROBIAL DIVERSITY IN OCEAN, SURFACE AND SUBSURFACE ENVIRONMENTS. 1997 , 35-80		28
1249	Soil Microbial Communities and Carbon Flow in Agroecosystems. 1997 , 367-413		14
1248	Methods for Assessing Soil Quality. 1997 ,		36
1247	Biomass, bioactivity and biodiversity: microbial ecology of the deep subsurface: analysis of ester-linked phospholipid fatty acids. 1997 , 20, 371-377		62
1246	Acid habituation of <i>Escherichia coli</i> and the potential role of cyclopropane fatty acids in low pH tolerance. 1997 , 37, 163-73		210
1245	Changes in biofilms induced by flow regulation could explain extinctions of aquatic snails in the lower River Murray, Australia. 1997 , 347, 97-108		63
1244	Relating ground water and sediment chemistry to microbial characterization at a BTEX-contaminated site. 1997 , 63-65, 775-88		15
1243	Chemical and biochemical changes during laboratory-scale composting of allelopathic plant leaves (<i>Eupatorium adenophorum</i> and <i>Lantana camara</i>). 1997 , 26, 66-71		5
1242	Structural characterization of a "signature" phosphatidylethanolamine as the major 10-hydroxy stearic acid-containing lipid of <i>Cryptosporidium parvum</i> oocysts. 1997 , 32, 789-93		2
1241	Microbial diversity along a sediment detrital particle size gradient. 1998 , 32, 281-289		5
1240	The response of soil microorganisms and roots to elevated CO ₂ and temperature in a terrestrial model ecosystem. 1998 , 202, 251-262		101
1239	Isolation and characterisation of a novel sulphate-reducing bacterium of the <i>Desulfovibrio</i> genus. 1998 , 4, 117-30		39

1238	Enrichment of Rotifers <i>Brachionus plicatilis</i> with Eicosapentaenoic Acid and Docosahexaenoic Acid Produced by Bacteria. 1998 , 29, 313-318		18
1237	Bacterial colonization of artificial substrate in the vicinity of deep-sea hydrothermal vents. 1998 , 26, 89-99		57
1236	Phospholipid fatty acid profiles and carbon utilization patterns for analysis of microbial community structure under field and greenhouse conditions. 1998 , 26, 151-163		108
1235	Occurrence of 3-hydroxyalkanoic acids in sediments from the Guaymas basin (Gulf of California). 1998 , 26, 335-344		4
1234	Evidence for differential effects of 2,4,6-trinitrotoluene and other munitions compounds on specific subpopulations of soil microbial communities. 1998 , 17, 2185-2195		51
1233	The signature 10-hydroxy stearic acid thought to correlate with infectivity in oocysts of <i>Cryptosporidium</i> species is an artifact. 1998 , 33, 829-33		
1232	Microbial Communities in High and Low Recharge Environments: Implications for Microbial Transport in the Vadose Zone. 1998 , 35, 156-71		48
1231	Nitrification limitation in animal slurries at high temperatures. 1998 , 64, 47-54		37
1230	A fuzzy adaptive resonance theory supervised predictive mapping neural network applied to the classification of multivariate chemical data. 1998 , 41, 161-170		9
1229	Periphyton growth on submerged artificial substrate as a predictor of phytoplankton response to nutrient enrichment. 1998 , 32, 11-19		21
1228	In situ microbial ecology for quantitative appraisal, monitoring, and risk assessment of pollution remediation in soils, the subsurface, the rhizosphere and in biofilms. 1998 , 32, 93-105		78
1227	Lipids in yolks and neonates of the viviparous lizard <i>Niveoscincus metallicus</i> . 1998 , 121, 465-470		23
1226	What's up down there?. 1998 , 1, 286-90		17
1225	Benthic oxygen uptake, hydrolytic potentials and microbial biomass at the Arctic continental slope. 1998 , 45, 239-275		85
1224	Assessment of fungal and bacterial development in a successional shortgrass steppe by direct integration of chloroform-fumigation extraction (FE) and microscopically derived data. <i>Soil Biology and Biochemistry</i> , 1998 , 30, 573-581	7.5	13
1223	Decreases in microbial functional diversity do not result in corresponding changes in decomposition under different moisture conditions. <i>Soil Biology and Biochemistry</i> , 1998 , 30, 1989-2000	7.5	86
1222	Low amounts of root herbivory positively influence the rhizosphere microbial community in a temperate grassland soil. <i>Soil Biology and Biochemistry</i> , 1998 , 31, 155-165	7.5	92
1221	Observations pertaining to the origin and ecology of microorganisms recovered from the deep subsurface of Taylorsville Basin, Virginia. 1998 , 15, 353-385		77

1220	Mapping Changes in Soil Microbial Community Composition Signaling Bioremediation. 1998 , 1, 255-264	8
1219	New quality of assessment of microbial diversity in arable soils using molecular and biochemical methods. 1998 , 161, 425-431	3
1218	Microbial population changes during bioremediation of an experimental oil spill. 1999 , 65, 3566-74	438
1217	A pilot study for monitoring changes in the microbiological component of metalworking fluids as a function of time and use in the system. 1999 , 60, 480-5	24
1216	Fatty Acids as Trophic and Chemical Markers in Freshwater Ecosystems. 1999 , 21-44	115
1215	Detection of Archaeal Diether Lipid by Gas Chromatography from Humus and Peat. 1999 , 14, 545-551	6
1214	Plant species and nitrogen effects on soil biological properties of temperate upland grasslands. 1999 , 13, 650-660	302
1213	Role of meiofauna in estuarine soft-bottom habitats*. 1999 , 24, 327-343	244
1212	Towards elucidation of microbial community metabolic pathways: unravelling the network of carbon sharing in a pollutant-degrading bacterial consortium by immunocapture and isotopic ratio mass spectrometry. 1999 , 1, 167-74	118
1211	Microbial characterization of a JP-4 fuel-contaminated site using a combined lipid biomarker/polymerase chain reaction--denaturing gradient gel electrophoresis (PCR-DGGE)-based approach. 1999 , 1, 231-41	61
1210	Effects of various organic compounds on growth and phosphorus uptake of an arbuscular mycorrhizal fungus. 1999 , 141, 517-524	102
1209	Changes in fatty acids of <i>Pseudomonas nautica</i> , a marine denitrifying bacterium, in response to n-icosane as carbon source and various culture conditions. 1999 , 28, 151-161	21
1208	Signature fatty acids provide tools for determination of the distribution and interactions of mycorrhizal fungi in soil. 1999 , 29, 303-310	574
1207	Quantitative sampling of indoor air biomass by signature lipid biomarker analysis. 1999 , 22, 80-87	9
1206	Detection of <i>Sphingomonas</i> spp in soil by PCR and sphingolipid biomarker analysis. 1999 , 23, 252-260	17
1205	Seasonal changes in sedimentary microbial communities of two eutrophic bays as estimated by biomarkers. 1999 , 393, 117-125	11
1204	Nutrient stress gradient in the bottom 5 cm of fast ice, McMurdo Sound, Antarctica. 1999 , 21, 220-227	60
1203	Fatty acid patterns of phospholipids and lipopolysaccharides in the characterisation of microbial communities in soil: a review. 1999 , 29, 111-129	1453

1202	The measurement of soil fungal:bacterial biomass ratios as an indicator of ecosystem self-regulation in temperate meadow grasslands. 1999 , 29, 282-290		306
1201	Distribution and Composition of Microbial Populations in a Landfill Leachate Contaminated Aquifer (Grindsted, Denmark). 1999 , 37, 197-207		92
1200	Migration and natural fate of a coal tar creosote plume. 1999 , 39, 281-307		59
1199	Characterization of microbial communities of biofilters by phospholipid fatty acid analysis and rRNA targeted oligonucleotide probes. 1999 , 22, 626-34		19
1198	Characterization of metal-resistant soil eubacteria by polymerase chain reaction--denaturing gradient gel electrophoresis with isolation of resistant strains. 1999 , 45, 116-24		15
1197	Sphingomonassp. strain Lep1: an aerobic degrader of 4-methylquinoline. 1999 , 45, 623-626		3
1196	Responses of deep-sea benthos to sedimentation patterns in the North-East Atlantic in 1992. 1999 , 46, 573-596		73
1195	Acclimation to sublethal exposures to a model nonpolar narcotic: population growth kinetics and membrane lipid alterations in <i>Tetrahymena pyriformis</i> . 1999 , 46, 11-21		21
1194	PLANT REMOVALS IN PERENNIAL GRASSLAND: VEGETATION DYNAMICS, DECOMPOSERS, SOIL BIODIVERSITY, AND ECOSYSTEM PROPERTIES. 1999 , 69, 535-568		357
1193	In situ detection of changes in soil bacterial and fungal activities by measuring ¹³ C incorporation into soil phospholipid fatty acids from ¹³ C acetate. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1015-1020	7.5	83
1192	Seasonal changes in soil microbial communities along a fertility gradient of temperate grasslands. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1021-1030	7.5	268
1191	Changes in soil microbial communities over time resulting from one time application of zinc: a laboratory microcosm study. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1455-1465	7.5	147
1190	Effects of the land application of sewage sludge on soil heavy metal concentrations and soil microbial communities. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1467-1470	7.5	52
1189	Manipulation of soil microbial community structure in bog and forest soils using chloroform fumigation. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 2049-2058	7.5	37
1188	Characterization of Epilithic Microbial Communities Associated with Mayan Stone Monuments in Yucatan, Mexico. 1999 , 16, 221-232		15
1187	Effect of Gamma Radiation on Native Endolithic Microorganisms from a Radioactive Waste Deposit Site. 1999 , 152, 64		23
1186	Comparison of phospholipid fatty acid composition in floodwater and plow layer soil during the rice cultivation period in a Japanese paddy field. 2000 , 46, 893-904		22
1185	The effect of microbial inoculation and pH on microbial community structure changes during composting. 2000 , 35, 923-929		73

1184	Growth of inoculated white-rot fungi and their interactions with the bacterial community in soil contaminated with polycyclic aromatic hydrocarbons, as measured by phospholipid fatty acids. 2000 , 73, 29-36	47
1183	Identification and characterization of ecologically significant prokaryotes in the sediment of freshwater lakes: molecular and cultivation studies. 2000 , 24, 573-90	145
1182	Characterization of redox conditions in groundwater contaminant plumes. 2000 , 45, 165-241	350
1181	Chironomid grazing on benthic microalgae in a Louisiana salt marsh. 2000 , 23, 536	20
1180	Physiological Status and Community Composition of Microbial Mats of the Ebro Delta, Spain, by Signature Lipid Biomarkers. 2000 , 39, 92-99	59
1179	Phosphatase Activities of Endolithic Communities in Rocks of the Antarctic Dry Valleys. 2000 , 39, 80-91	31
1178	Structure and function of the soil microbial community in microhabitats of a heavy metal polluted soil. 2000 , 32, 390-400	290
1177	Phototrophic biofilms on ancient Mayan buildings in Yucatan, Mexico. 2000 , 40, 81-5	68
1176	Microbial ecology of the leach bed anaerobic digestion of unsorted municipal solid waste. 2000 , 41, 9-16	15
1175	Sediment microbial community structure and mercury methylation in mercury-polluted Clear Lake, California. 2000 , 66, 1479-88	124
1174	Phospholipid Fatty Acid (PLFA) Composition and Its Dynamics in a Desert Soil System. 2000 , 14, 59-68	3
1173	ATMOSPHERIC CO ₂ AND THE COMPOSITION AND FUNCTION OF SOIL MICROBIAL COMMUNITIES. 2000 , 10, 47-59	17
1172	Measuring soil microbial community diversity using polar lipid fatty acid and denaturing gradient gel electrophoresis data. 2000 , 41, 235-48	55
1171	Evaluation of extraction methods for recovery of fatty acids from lipid-producing microheterotrophs. 2000 , 43, 107-16	287
1170	Anaerobic decomposition of halogenated aromatic compounds. 2000 , 107, 199-207	71
1169	Effect of soil on microbial responses to metal contamination. 2000 , 110, 115-25	96
1168	Regional variation of total microbial biomass in sediments of the deep Arabian Sea. 2000 , 47, 149-168	9
1167	Variability of soil methane production on the micro-scale: spatial association with hot spots of organic material and Archaeal populations. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1121-1130	7.5 93

1166	Ester-linked polar lipid fatty acid profiles of soil microbial communities: a comparison of extraction methods and evaluation of interference from humic acids. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1241-1249	7.5	61
1165	Changes in soil microbial community structure with tillage under long-term wheat-fallow management. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1419-1430	7.5	228
1164	Management influences on soil microbial communities and their function in botanically diverse haymeadows of northern England and Wales. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 253-263	7.5	101
1163	Methane oxidation and phospholipid fatty acid composition in a podzolic soil profile. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1025-1028	7.5	17
1162	Quantitative lipid biomarker detection of unculturable microbes and chlorine exposure in water distribution system biofilms. 2000 , 34, 2683-2688		35
1161	Comparison of Fatty Acid Methyl Ester (FAME) Methods for Characterizing Microbial Communities. 2000 , 64, 1659-1668		304
1160	Natural Gas Hydrate. 2000 ,		45
1159	Effect of temperature and salinity stress on growth and lipid composition of <i>Shewanella gelidimarina</i> . 2000 , 66, 2422-9		69
1158	Effect of Chemical Oxidation on Subsurface Microbiology and Trichloroethene (TCE) Biodegradation. 2000 , 4, 219-236		15
1157	Seasonal variations of phospholipid fatty acid composition in the floodwater of a Japanese paddy field under a long-term fertilizer trial. 2000 , 46, 177-188		34
1156	Microbial Biodiversity, Measurement of. 2001 , 259-270		
1155	Microbial diversity of the brine-seawater interface of the Kebrit Deep, Red Sea, studied via 16S rRNA gene sequences and cultivation methods. 2001 , 67, 3077-85		116
1154	Enumeration of total and highly active bacteria. 2001 , 129-159		26
1153	Occurrence of fatty acids linked to non-phospholipid compounds in the polar fraction of a marine sedimentary extract from Carreau cove, France. 2001 , 32, 193-197		22
1152	A new method for identifying the origins of simple and complex hopanoids in sedimentary materials using stable isotope labelling with ¹³ CH ₄ and compound specific stable isotope analyses. 2001 , 32, 359-364		26
1151	Significance of carbon isotope discrimination between bulk carbon and extracted phospholipid fatty acids in selected terrestrial and marine environments. 2001 , 32, 613-621		60
1150	Microbial communities in boreal coniferous forest humus exposed to heavy metals and changes in soil pH: summary of the use of phospholipid fatty acids, Biolog [®] and 3H-thymidine incorporation methods in field studies. 2001 , 100, 91-126		114
1149	Site and management effects on soil microbial properties of subalpine meadows: a study of land abandonment along a north-south gradient in the European Alps. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 639-649	7.5	119

1148	Earthworms indirectly reduce the effects of take-all (<i>Gaeumannomyces graminis</i> var. <i>tritici</i>) on soft white spring wheat (<i>Triticum aestivum</i> cv. Fielder). <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1531-1538	7.5	57
1147	Soil microbial community patterns related to the history and intensity of grazing in sub-montane ecosystems. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1653-1664	7.5	170
1146	Soil microbial community responses to fly ash amendment as revealed by analyses of whole soils and bacterial isolates. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1947-1958	7.5	55
1145	<i>Sphingomonas alaskensis</i> strain AFO1, an abundant oligotrophic ultramicrobacterium from the North Pacific. 2001 , 67, 4945-54		69
1144	Microbial Biodiversity, Measurement of. 2001 , 177-190		1
1143	Phosphorus cycle in seawater: Dissolved and particulate pool inventories and selected phosphorus fluxes. 2001 , 30, 239-270		29
1142	Landscape-Level Patterns of Microbial Community Composition and Substrate Use in Upland Forest Ecosystems. 2001 , 65, 359-367		259
1141	Phospholipid fatty acid composition of microbiota in the percolating water from a rice paddy microcosm. 2001 , 47, 533-545		8
1140	Use of isotopic and molecular techniques to link toluene degradation in denitrifying aquifer microcosms to specific microbial populations. 2001 , 175, 270-81		50
1139	Monoalkylether phospholipids in the sulfate-reducing bacteria <i>Desulfosarcina variabilis</i> and <i>Desulforhabdus amnigenus</i> . 2001 , 176, 435-42		127
1138	Spatial Patterns of Soil Microbial Communities in a Norway Spruce (<i>Picea abies</i>) Plantation. 2001 , 42, 248-255		25
1137	Sterol and squalene content of a docosahexaenoic-acid-producing thraustochytrid: influence of culture age, temperature, and dissolved oxygen. 2001 , 3, 439-47		54
1136	Microbial communities and exopolysaccharides from Polynesian mats. 2001 , 3, 181-7		21
1135	Lipids and pigments in deep-sea surface sediments and interfacial particles from the Western Crozet Basin. 2001 , 75, 249-266		24
1134	Microbial community structure and function in response to larval chironomid feeding pressure in a microcosm experiment. 2001 , 448, 71-81		6
1133	Comparative single-strand conformation polymorphism (SSCP) and microscopy-based analysis of nitrogen cultivation interactive effects on the fungal community of a semiarid steppe soil. 2001 , 36, 85-92		18
1132	Stability of a rhizosphere microbial community exposed to natural and manipulated environmental variability. 2001 , 38, 69-76		25
1131	Concentrations of lipid phosphorus and its abundance in dissolved and particulate organic phosphorus in coastal seawater. 2001 , 75, 141-149		25

1130	The utility of chemical signals as phylogenetic characters: an example from the Felidae. 2001 , 72, 1-15	29
1129	Drought acclimation confers cold tolerance in the soil collembolan <i>Folsomia candida</i> . 2001 , 47, 1197-1204	111
1128	Methods for psychrophilic bacteria. 2001 , 30, 591-614	14
1127	Distribution of Methanotrophs in Trichloroethylene-Contaminated Aquifers in a Natural Gas Field. 2001 , 18, 387-399	5
1126	<i>Alkaliphilus transvaalensis</i> gen. nov., sp. nov., an extremely alkaliphilic bacterium isolated from a deep South African gold mine. 2001 , 51, 1245-1256	146
1125	Impact of fumigants on soil microbial communities. 2001 , 67, 3245-57	200
1124	Diversity and characterization of sulfate-reducing bacteria in groundwater at a uranium mill tailings site. 2001 , 67, 3149-60	174
1123	Microbiota responsible for the decomposition of rice straw in a submerged paddy soil estimated from phospholipid fatty acid composition. 2001 , 47, 569-578	18
1122	Physical, chemical, and microbiological characteristics of microbial mats (KOPARA) in the South Pacific atolls of French Polynesia. 2001 , 47, 994-1012	26
1121	Comparison of microbial communities in percolating water from plow layer and subsoil layer estimated by phospholipid fatty acid (PLFA) analysis. 2002 , 48, 877-881	8
1120	Microbial Population Analysis as a Measure of Ecosystem Restoration. 2002 , 6, 283-296	10
1119	Bioremediation of Polyaromatic Hydrocarbon-Contaminated Sediments in Aerated Bioslurry Reactors. 2002 , 6, 125-141	28
1118	Chapter 2 The characterisation of microbial communities in environmental samples. 2002 , 37-60	10
1117	Variation of branched-chain fatty acids marks the normal physiological range for growth in <i>Listeria monocytogenes</i> . 2002 , 68, 2809-13	35
1116	The microbial community structure of drinking water biofilms can be affected by phosphorus availability. 2002 , 68, 434-9	50
1115	Microbial communities from methane hydrate-bearing deep marine sediments in a forearc basin. 2002 , 68, 3759-70	211
1114	Lipid and carbon isotopic evidence of methane-oxidizing and sulfate-reducing bacteria in association with gas hydrates from the Gulf of Mexico. 2002 , 30, 239	82
1113	Comparison of phospholipid fatty acid composition in percolating water, floodwater, and the plow layer soil during the rice cultivation period in a Japanese paddy field. 2002 , 48, 595-600	8

1112	EXOTIC PLANT SPECIES ALTER THE MICROBIAL COMMUNITY STRUCTURE AND FUNCTION IN THE SOIL. 2002 , 83, 3152-3166		450
1111	Succession of microbiota estimated by phospholipid fatty acid analysis and changes in organic constituents during the composting process of rice straw. 2002 , 48, 735-743		38
1110	Enchytraeid worm (<i>Oligochaeta</i>) influences on microbial community structure, nutrient dynamics and plant growth in blanket peat subjected to warming. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 83-92	7.5	62
1109	PLFA profiles of microbial communities in decomposing conifer litters subject to moisture stress. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 189-200	7.5	143
1108	Fungal-to-bacterial ratios in soils investigated for enhanced C sequestration. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 997-1007	7.5	409
1107	Relationships between soil microbial biomass determined by chloroform fumigation-extraction, substrate-induced respiration, and phospholipid fatty acid analysis. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1385-1389	7.5	177
1106	Weathering of phosphorus in black shales. 2002 , 16, 87-1-87-8		21
1105	Phospholipid fatty acids in forest soil four years after organic matter removal and soil compaction. 2002 , 19, 173-182		74
1104	Microbial biomarkers as an indicator of ecosystem recovery following surface mine reclamation. 2002 , 21, 251-259		127
1103	Microbial communities in a Wadden Sea sediment core—evidence from analyses of intact glyceride lipids, and released fatty acids. 2002 , 33, 803-816		50
1102	Flash detection/identification of pathogens, bacterial spores and bioterrorism agent biomarkers from clinical and environmental matrices. 2002 , 48, 139-47		22
1101	Phospholipid analysis as a tool to study complex microbial communities in marine sediments. 2002 , 48, 149-60		146
1100	Biomarker techniques to screen for bacteria that produce polyunsaturated fatty acids. 2002 , 48, 161-70		48
1099	Lipids as indicators of eutrophication in marine coastal sediments. 2002 , 48, 239-57		57
1098	Enrichment and characterisation of thermophilic acidophiles for the bioleaching of mineral sulphides. 2002 , 15, 787-794		51
1097	Moderately thermophilic iron oxidising bacteria isolated from a pyritic coal deposit showing spontaneous combustion. 2002 , 15, 815-822		22
1096	Ciliate epibiont effects on feeding, energy reserves, and sensitivity to hydrocarbon contaminants in an estuarine harpacticoid copepod. 2002 , 25, 372-381		15
1095	Microbial community composition and function beneath temperate trees exposed to elevated atmospheric carbon dioxide and ozone. <i>Oecologia</i> , 2002 , 131, 236-244	2.9	142

1094	Carbon isotopic fractionations associated with thermophilic bacteria <i>Thermotoga maritima</i> and <i>Persephonella marina</i> . 2002 , 4, 58-64		30
1093	Population growth kinetics and bulk membrane lipid alterations in <i>Tetrahymena pyriformis</i> : exposure to pentachlorophenol. 2002 , 18, 271-8		2
1092	Seasonal changes in the microbial community of a salt marsh, measured by phospholipid fatty acid analysis. 2002 , 60, 77-96		28
1091	A comparison of sediment microbial communities associated with <i>Phragmites australis</i> and <i>Spartina alterniflora</i> in two brackish wetlands of New Jersey. 2003 , 26, 465-474		103
1090	Fatty acids of lipid fractions in extracellular polymeric substances of activated sludge flocs. 2003 , 38, 1093-105		47
1089	Aquatic hyphomycetes in polluted groundwater habitats of central Germany. 2003 , 45, 329-39		59
1088	The isolation and use of iron-oxidizing, moderately thermophilic acidophiles from the Collie coal mine for the generation of ferric iron leaching solution. <i>Applied Microbiology and Biotechnology</i> , 2003 , 60, 748-53	5.7	21
1087	Effects of heavy metal contamination and remediation on soil microbial communities in the vicinity of a zinc smelter as indicated by analysis of microbial community phospholipid fatty acid profiles. 2003 , 38, 65-71		107
1086	Microbial community responsible for the decomposition of rice straw in a paddy field: estimation by phospholipid fatty acid analysis. 2003 , 38, 288-295		68
1085	Methods to determine the biological composition of particulate matter collected from outdoor air. 2003 , 37, 4335-4344		93
1084	Disturbance of intertidal sediments: the response of bacteria and foraminifera. 2003 , 58, 249-264		26
1083	Structure and function of the soil microbial community in a long-term fertilizer experiment. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 453-461	7.5	665
1082	Incomplete degradation of polycyclic aromatic hydrocarbons in soil inoculated with wood-rotting fungi and their effect on the indigenous soil bacteria. 2003 , 22, 1238-1243		74
1081	The response of a three trophic level soil food web to the identity and diversity of plant species and functional groups. 2003 , 102, 45-56		156
1080	Gas chromatographic-mass spectrometric detection of 2- and 3-hydroxy fatty acids as methyl esters from soil, sediment and biofilm. 2003 , 783, 443-51		45
1079	Linking autotrophic activity in environmental samples with specific bacterial taxa by detection of ¹³ C-labelled fatty acids. 2003 , 5, 1155-67		51
1078	Indigenous and contaminant microbes in ultradeep mines. 2003 , 5, 1168-91		92
1077	Micro-scale distribution of microorganisms and microbial enzyme activities in a soil with long-term organic amendment. 2003 , 54, 715-724		82

1076	Chemical Composition of Attached and Drift Specimens of <i>Sargassum mangarevense</i> and <i>Turbinaria ornata</i> (Phaeophyta: Fucales) from Tahiti, French Polynesia. 2003 , 46,	35
1075	Carbon isotope signatures of fatty acids in <i>Geobacter metallireducens</i> and <i>Shewanella</i> algae. 2003 , 195, 17-28	56
1074	Experimental analysis of the effect of exotic and native plant species on the structure and function of soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 895-905	7.5 328
1073	Abundance, distribution and $\delta^{13}\text{C}$ analysis of microbial phospholipid-derived fatty acids in a black shale weathering profile. 2003 , 34, 731-743	34
1072	Intact phospholipids—microbial life markers—in marine deep subsurface sediments. 2003 , 34, 755-769	73
1071	Triacylglycerol biodegradation experiment in marine environmental conditions: definition of a new lipolysis index. 2003 , 34, 1465-1473	24
1070	Comparison of signature lipid methods to determine microbial community structure in compost. 2003 , 55, 371-82	69
1069	Rapid Detection/Identification of Microbes, Bacterial Spores, Microbial Communities, and Metabolic Activities in Environmental Matrices. 2003 , 3-19	
1068	The Global Phosphorus Cycle. 2003 , 585-643	119
1067	PLANT DIVERSITY, SOIL MICROBIAL COMMUNITIES, AND ECOSYSTEM FUNCTION: ARE THERE ANY LINKS?. 2003 , 84, 2042-2050	808
1066	Temporal Shifts in the Geochemistry and Microbial Community Structure of an Ultradeep Mine Borehole Following Isolation. 2003 , 20, 517-548	84
1065	The Factors Controlling Microbial Distribution and Activity in the Shallow Subsurface. 2003 , 20, 245-261	28
1064	Use of phospholipid fatty acids to detect previous self-heating events in stored peat. 2003 , 69, 3532-9	31
1063	<i>Solirubrobacter pauli</i> gen. nov., sp. nov., a mesophilic bacterium within the Rubrobacteridae related to common soil clones. 2003 , 53, 485-490	57
1062	Forensic Analysis by Comprehensive Rapid Detection of Pathogens and Contamination Concentrated in Biofilms in Drinking Water Systems for Water Resource Protection and Management. 2003 , 4, 63-74	23
1061	Prokaryotic metabolic activity and community structure in Antarctic continental shelf sediments. 2003 , 69, 2448-62	108
1060	Incidence and diversity of microorganisms within the walls of an active deep-sea sulfide chimney. 2003 , 69, 3580-92	236
1059	Effects of epiphyte load on optical properties and photosynthetic potential of the seagrasses <i>Thalassia testudinum</i> Banks ex K [^] Big and <i>Zostera marina</i> L.. 2003 , 48, 456-463	65

1058	MICROBIAL COMMUNITY STRUCTURE DYNAMICS DURING AERATED AND MIXED COMPOSTING. 2003 , 46,		9
1057	Stable carbon isotope ratio and composition of microbial fatty acids in tropical soils. 2003 , 32, 198-206		35
1056	Microbial community structure in biofilms and water of a drinking water distribution system determined by lipid biomarkers. 2003 , 47, 143-147		24
1055	Microbial Community Composition across the Great Plains. 2004 , 68, 106-115		17
1054	Microbial community structure and biomass in developing drinking water biofilms. 2004 , 50, 183-91		25
1053	<i>Desulfovibrio alaskensis</i> sp. nov., a sulphate-reducing bacterium from a soured oil reservoir. 2004 , 54, 1747-1752		59
1052	Synchronous effects of temperature, hydrostatic pressure, and salinity on growth, phospholipid profiles, and protein patterns of four <i>Halomonas</i> species isolated from deep-sea hydrothermal-vent and sea surface environments. 2004 , 70, 6220-9		65
1051	<i>Alicyclobacillus vulcanalis</i> sp. nov., a thermophilic, acidophilic bacterium isolated from Coso Hot Springs, California, USA. 2004 , 54, 1703-1707		49
1050	Alkaline anaerobic respiration: isolation and characterization of a novel alkaliphilic and metal-reducing bacterium. 2004 , 70, 5595-602		110
1049	Nonmarine crenarchaeol in Nevada hot springs. 2004 , 70, 5229-37		147
1048	Linking aboveground and belowground communities: the indirect influence of aphid species identity and diversity on a three trophic level soil food web. 2004 , 107, 283-294		58
1047	Comparison of chloroform fumigation-extraction, phospholipid fatty acid, and DNA methods to determine microbial biomass in forest humus. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 529-532	7.5	94
1046	Short-term effects of defoliation on the soil microbial community associated with two contrasting <i>Lolium perenne</i> cultivars. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 489-498	7.5	55
1045	Impact of coloniser plant species on the development of decomposer microbial communities following deglaciation. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 555-559	7.5	126
1044	Atmospheric nitrate deposition and the microbial degradation of cellobiose and vanillin in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 965-971	7.5	131
1043	Comparison of phospholipid fatty acid (PLFA) and total soil fatty acid methyl esters (TSFAME) for characterizing soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1793-1800	7.5	113
1042	Effects of long term CO ₂ enrichment on microbial community structure in calcareous grassland. 2004 , 264, 313-323		54
1041	Linking Microbial-Scale Findings to Farm-Scale Outcomes in a Dryland Cropping System. 2004 , 5, 311-328		12

1040	Identification of iron-reducing <i>Thermus</i> strains as <i>Thermus scotoductus</i> . 2004 , 8, 37-44	39
1039	Linking microbial community dynamics to rhizosphere carbon flow in a wetland rice soil. 2004 , 48, 179-86	85
1038	Community structure in a methanotroph biofilter as revealed by phospholipid fatty acid analysis. 2004 , 240, 61-8	30
1037	Efficient and rapid method for extraction of intact phospholipids from sediments combined with molecular structure elucidation using LC-ESI-MS-MS analysis. 2004 , 380, 798-812	60
1036	Characterization of humus microbial communities in adjacent forest types that differ in nitrogen availability. 2004 , 48, 29-40	75
1035	Filamentous fungi: the indeterminate lifestyle and microbial ecology. 2004 , 47, 224-35	79
1034	The use of phospholipid fatty acid analysis to measure impact of acid rock drainage on microbial communities in sediments. 2004 , 48, 300-15	32
1033	Microbial community structure and oxidative enzyme activity in nitrogen-amended north temperate forest soils. 2004 , 48, 218-29	188
1032	Microbial community structure and activity in arsenic-, chromium- and copper-contaminated soils. 2004 , 47, 39-50	209
1031	Influence of the temperature and the growth phase on the hopanoids and fatty acids content of <i>Frateuria aurantia</i> (DSMZ 6220). 2004 , 47, 371-9	46
1030	Intact polar membrane lipids in prokaryotes and sediments deciphered by high-performance liquid chromatography/electrospray ionization multistage mass spectrometry--new biomarkers for biogeochemistry and microbial ecology. 2004 , 18, 617-28	383
1029	Microbial responses to in situ chemical oxidation, six-phase heating, and steam injection remediation technologies in groundwater. 2004 , 14, 5-17	15
1028	Soil organic carbon content and composition of 130-year crop, pasture and forest land-use managements. 2004 , 10, 65-78	132
1027	Bacterial populations in the rhizosphere of tobacco plants producing the quorum-sensing signals hexanoyl-homoserine lactone and 3-oxo-hexanoyl-homoserine lactone. 2004 , 51, 19-29	30
1026	Effects of gamma irradiation on <i>Holcus lanatus</i> (Yorkshire fog grass) and associated soil microorganisms. 2004 , 74, 57-71	27
1025	Forest floor microbial community response to tree species and fertilization of regenerating coniferous forests. 2004 , 34, 1426-1435	35
1024	Microbial communities responsible for the decomposition of rice straw compost in a Japanese rice paddy field determined by phospholipid fatty acid (PLFA) analysis. 2004 , 50, 1229-1236	15
1023	Identification of glycerophospholipids in rapeseed, olive, almond, and sunflower oils by LC-MS and LC-MS-MS. 2004 , 82, 1210-1215	46

1022	Cold adaptation in the Antarctic Archaeon <i>Methanococcoides burtonii</i> involves membrane lipid unsaturation. 2004 , 186, 8508-15		124
1021	Biofilms fouling ancient limestone Mayan monuments in Uxmal, Mexico: a cultivation-independent analysis. 2004 , 1, 79-90		49
1020	Culturable Diversity and Community Fatty Acid Profiling of Sulfate-Reducing Fluidized-Bed Reactors Treating Acidic, Metal-Containing Wastewater. 2004 , 21, 469-480		38
1019	Lipid biomarkers and carbon-isotopes of modern travertine deposits (Yellowstone National Park, USA): Implications for biogeochemical dynamics in hot-spring systems. 2004 , 68, 3157-3169		51
1018	Distribution and dynamics of various forms of phosphorus in seawater: insights from field observations in the Pacific Ocean and a laboratory experiment. 2004 , 51, 1113-1130		34
1017	Phospholipid ester-linked fatty acids composition of size-fractionated particles at the top ocean surface. 2004 , 35, 1275-1287		16
1016	Use of specific phospholipid fatty acids for identifying and quantifying the external hyphae of the arbuscular mycorrhizal fungus <i>Gigaspora rosea</i> . <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1827-1834	7.5	33
1015	Role of microbial biomass in biogeochemical processes in paddy soil environments. 2004 , 50, 793-805		13
1014	Microbial biomass and activity in composts of different composition and age. 2004 , 167, 556-561		18
1013	Characterization and Selection of Materials for Air Biofiltration in Fluidized Beds. 2004 , 2,		4
1012	Atmospheric Nitrate Deposition, Microbial Community Composition, and Enzyme Activity in Northern Hardwood Forests. 2004 , 68, 132-138		277
1011	Complexity of Soil Organic Matter: AMS 14C Analysis of Soil Lipid Fractions and Individual Compounds. 2004 , 46, 465-473		63
1010	PREDICTING SOURCES OF FECAL POLLUTION USING FATTY ACID METHYL ESTER (FAME) PROFILING. 2005 , 2005, 634-644		
1009	Enumeration, isolation, and characterization of ultraviolet (UV-C) resistant bacteria from rock varnish in the Whipple Mountains, California. 2005 , 174, 585-595		42
1008	Microbial biomass, enzyme activities and microbial community structure in two European long-term field experiments. 2005 , 109, 141-152		238
1007	Tracking carbon from the atmosphere to the rhizosphere. 2005 , 8, 1264-1270		123
1006	Characterization of depth-related changes and site-specific differences of microbial communities in marine sediments using quinone profiles. 2005 , 71, 174-182		7
1005	Microbial indices of soil fertility. 2005 , 98, 1062-74		29

1004	Fatty acid analysis and spoilage potential of biofilms from two breweries. 2005 , 99, 1108-22		14
1003	Carbon fluxes, nitrogen cycling, and soil microbial communities in adjacent urban, native and agricultural ecosystems. 2005 , 11, 575-587		267
1002	Trickle-down effects of aboveground trophic cascades on the soil food web. 2005 , 111, 348-358		54
1001	Changes in membrane lipid composition following rapid cold hardening in <i>Drosophila melanogaster</i> . 2005 , 51, 1173-82		190
1000	Composition of the microbial communities in the mineral soil under different types of natural forest. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 661-671	7.5	183
999	Salt marsh rhizosphere affects microbial biotransformation of the widespread halogenated contaminant tetrabromobisphenol-A (TBBPA). <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1049-1057	7.5	36
998	Microbial reaction in activity, biomass, and community structure after long-term continuous mixing of a grassland soil. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1249-1258	7.5	33
997	Changes in soil microbial and nematode communities during ecosystem decline across a long-term chronosequence. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1289-1301	7.5	104
996	Unsaturated diether lipids in the psychrotrophic archaeon <i>Haloarobacter lacusprofundi</i> . 2005 , 28, 19-26		47
995	Elevated atmospheric CO ₂ alters soil microbial communities associated with trembling aspen (<i>Populus tremuloides</i>) roots. 2005 , 50, 102-9		79
994	Microbial assimilation of plant-derived carbon in soil traced by isotope analysis. 2005 , 41, 153-162		47
993	<i>Thermosediminibacter oceani</i> gen. nov., sp. nov. and <i>Thermosediminibacter litoriperuensis</i> sp. nov., new anaerobic thermophilic bacteria isolated from Peru Margin. 2005 , 9, 375-83		50
992	Variation in microbial biomass and community structure in sediments of Peter the Great Bay (sea of Japan/East Sea), as estimated from fatty acid biomarkers. 2005 , 40, 34-42		7
991	Effects Of Pb, Cu, Sb, In and Ag Contamination on the Proliferation of Soil Bacterial Colonies, Soil Dehydrogenase Activity, and Phospholipid Fatty Acid Profiles of Soil Microbial Communities. 2005 , 164, 103-118		71
990	Linking microbial community composition and soil processes in a California annual grassland and mixed-conifer forest. 2005 , 73, 395-415		338
989	Polar lipid biomarkers of free-living bacteria from oligotrophic marine waters. 2005 , 72, 365-383		6
988	Role of micro-organisms in karstification. 345-364		3
987	Host Specific Differences in Fatty Acid Methyl Ester Profiles of Indicator Organisms as a New Tool for Microbial Source Tracking. 2005 , 1		

986	SOIL GRINDING INCREASES THE RELATIVE ABUNDANCE OF EUKARYOTIC PHOSPHOLIPID FATTY ACIDS. 2005 , 69, 423-426	14
985	Quantifying Biological Organic Carbon Removal in Groundwater Recharge Systems. 2005 , 131, 909-923	22
984	Phospholipid furan fatty acids and ubiquinone-8: lipid biomarkers that may protect dehalococcoides strains from free radicals. 2005 , 71, 8426-33	40
983	Labrys methylaminiphilus sp. nov., a novel facultatively methylotrophic bacterium from a freshwater lake sediment. 2005 , 55, 1247-1253	25
982	Lipid biomarkers and carbon isotope signatures of a microbial (Beggiatoa) mat associated with gas hydrates in the gulf of Mexico. 2005 , 71, 2106-12	86
981	Methylosarcina lacus sp. nov., a methanotroph from Lake Washington, Seattle, USA, and emended description of the genus Methylosarcina. 2005 , 55, 2345-2350	37
980	Whole-Cell Fatty Acid Composition of Total Coliforms to Predict Sources of Fecal Contamination. 2005 , 131, 1426-1432	8
979	Microbial diversity in ultra-high-pressure rocks and fluids from the Chinese Continental Scientific Drilling Project in China. 2005 , 71, 3213-27	62
978	Marinilactibacillus piezotolerans sp. nov., a novel marine lactic acid bacterium isolated from deep sub-seafloor sediment of the Nankai Trough. 2005 , 55, 345-351	50
977	Geochemically Generated, Energy-Rich Substrates and Indigenous Microorganisms in Deep, Ancient Groundwater. 2005 , 22, 325-335	49
976	Methods of microbial community profiling and their application to forest soils. 2005 , 220, 88-106	130
975	Transformation of organic matter in agricultural soils: radiocarbon concentration versus soil depth. 2005 , 128, 94-105	95
974	Study of the mineralization effect on the distribution of lipids in sediments from the Cretan Sea: Evidence for hydrocarbon degradation and starvation stress. 2005 , 25, 2196-2212	3
973	The use of ¹³ C labelling of bacterial lipids in the characterisation of ambient methane-oxidising bacteria in soils. 2005 , 36, 769-778	36
972	A quantitative assessment of pressure dependent adaptive changes in the membrane lipids of a piezosensitive deep sub-seafloor bacterium. 2005 , 36, 1459-1479	30
971	Soil microbial populations, activity, and community structure in continuous corn or forage systems under organic or inorganic fertilization in eastern Canada. 2005 , 85, 27-38	8
970	Ecological consequences of carbon substrate identity and diversity in a laboratory study. 2006 , 87, 580-93	147
969	Soil microbial diversity of four German long-term field experiments. 2006 , 52, 507-523	17

968	Evidence for autotrophy via the reverse tricarboxylic acid cycle in the marine magnetotactic coccus strain MC-1. 2006 , 72, 1322-9	88
967	Measuring external mycelia production of ectomycorrhizal fungi in the field: the soil matrix matters. 2006 , 171, 179-86	75
966	Microbial community composition and function across an arctic tundra landscape. 2006 , 87, 1659-70	72
965	Deep Subsurface Microbial Biomass and Community Structure in Witwatersrand Basin Mines. 2006 , 23, 431-442	40
964	Unique Microbial Community in Drilling Fluids from Chinese Continental Scientific Drilling. 2006 , 23, 499-514	17
963	Comparison of soil microbial community between soils amended with or without farmyard manure. 2006 , 33, 39-48	49
962	Soil microbial community structure and diversity in a turfgrass chronosequence: Land-use change versus turfgrass management. 2006 , 34, 209-218	64
961	Seasonal variations in sugar contents and microbial community in a ryegrass soil. 2006 , 65, 832-9	62
960	Structure and function of microbial communities during the early stages of revegetation of barren soils in the vicinity of a Pb/Zn Smelter. 2006 , 136, 555-565	48
959	Intrinsic bacterial biodegradation of petroleum contamination demonstrated in situ using natural abundance, molecular-level ¹⁴ C analysis. 2006 , 37, 981-989	39
958	Polar and neutral isopranyl glycerol ether lipids as biomarkers of archaea in near-surface sediments from the Nankai Trough. 2006 , 37, 1643-1654	57
957	Exploration of Life in Deep Subseafloor Sediments. 2006 , 19, 58-70	14
956	Mesocosm-scale evaluation of faunal and microbial communities of aerated and unaerated leachfield soil. 2006 , 35, 1160-9	13
955	Soil Microbial Biomass Relationships with Organic Matter Fractions in a Nebraska Corn Field Mapped using Apparent Electrical Conductivity. 2006 , 70, 1480-1488	20
954	¹³ C-Labeling of lipids to investigate microbial communities in the environment. 2006 , 17, 72-82	90
953	Determination of phospholipid fatty acid structures and stable carbon isotope compositions of deep-sea sediments of the Northwest Pacific, ODP site 1179. 2006 , 98, 197-209	18
952	Selected ion monitoring in quantitative gas-liquid chromatographic-mass spectrometric detection of fatty acid methyl esters from environmental samples. 2006 , 831, 281-7	3
951	Lipid Markers for Marine Organic Matter. 27-70	57

950	Changes in Soil Microbial Community Associated with Invasion of the Exotic Weed, Mikania micrantha H.B.K. 2006 , 281, 309-324		100
949	Microbial response over time to hydrologic and fertilization treatments in a simulated wet prairie. 2006 , 284, 85-100		103
948	Fungal community composition and metabolism under elevated CO(2) and O(3). <i>Oecologia</i> , 2006 , 147, 143-54	2.9	72
947	Comparison of community structures of microbiota at main habitats in rice field ecosystems based on phospholipid fatty acid analysis. 2006 , 43, 20-29		40
946	Application of nonlinear analysis methods for identifying relationships between microbial community structure and groundwater geochemistry. 2006 , 51, 177-88		21
945	Microbial diversity in sediments of saline Qinghai Lake, China: linking geochemical controls to microbial ecology. 2006 , 51, 65-82		110
944	Parallel shifts in plant and soil microbial communities in response to biosolids in a semi-arid grassland. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 449-459	7.5	44
943	Defoliation and fertiliser influences on the soil microbial community associated with two contrasting Lolium perenne cultivars. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 674-682	7.5	11
942	Investigation of the effect of ammonium sulfate on populations of ambient methane oxidising bacteria by 13C-labelling and GC/C/IRMS analysis of phospholipid fatty acids. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 983-990	7.5	20
941	Microbial diversity in three floodplain soils at the Elbe River (Germany). <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2144-2151	7.5	84
940	Effects of vegetation on root-associated microbial communities: A comparison of disturbed versus undisturbed estuarine sediments. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2359-2371	7.5	25
939	Variable use of plant- and soil-derived carbon by microorganisms in agricultural soils. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 3267-3278	7.5	219
938	Incorporation of 13C-labeled rice-straw-derived carbon into microbial communities in submerged rice field soil and percolating water. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 3483-3491	7.5	16
937	<i>Propionicicella superfundia</i> gen. nov., sp. nov., a chlorosolvent-tolerant propionate-forming, facultative anaerobic bacterium isolated from contaminated groundwater. 2006 , 29, 404-13		34
936	Carbon speciation and composition of natural microbial communities in polluted and pristine sediments of the Eastern Mediterranean Sea. 2006 , 52, 1396-405		14
935	<i>Brooklawnia cerclae</i> gen. nov., sp. nov., a propionate-forming bacterium isolated from chlorosolvent-contaminated groundwater. 2006 , 56, 1977-1983		31
934	Diversity, composition, and geographical distribution of microbial communities in California salt marsh sediments. 2006 , 72, 3357-66		94
933	Diversity of microorganisms within rock varnish in the Whipple Mountains, California. 2006 , 72, 1708-15		61

932	Sulfolipids dramatically decrease phosphorus demand by picocyanobacteria in oligotrophic marine environments. 2006 , 103, 8607-12	271
931	Reorganization of membrane lipids during fast and slow cold hardening in <i>Drosophila melanogaster</i> . 2006 , 31, 328-335	64
930	Identification and isolation of a <i>Castellaniella</i> species important during biostimulation of an acidic nitrate- and uranium-contaminated aquifer. 2007 , 73, 4892-904	48
929	Mineralogic Control on Abundance and Diversity of Surface-Adherent Microbial Communities. 2007 , 24, 167-177	28
928	Biomarker and stable isotope characterization of coastal pond-derived organic matter, McMurdo Dry Valleys, Antarctica. 2007 , 7, 645-61	9
927	Lipid Biomarkers, Carbon Isotopes, and Phylogenetic Characterization of Bacteria in California and Nevada Hot Springs. 2007 , 24, 519-534	28
926	Effect of afforestation and reforestation of pastures on the activity and population dynamics of methanotrophic bacteria. 2007 , 73, 5153-61	71
925	Biostabilization of cohesive sediment beds in a freshwater wave-dominated environment. 2007 , 52, 577-589	38
924	Top-down and bottom-up controls on sediment organic matter composition in an experimental seagrass ecosystem. 2007 , 52, 2595-2607	27
923	Detection and cultivation of indigenous microorganisms in Mesozoic claystone core samples from the Opalinus Clay Formation (Mont Terri Rock Laboratory). 2007 , 32, 232-240	29
922	Influence of various forms of green manure amendment on soil microbial community composition, enzyme activity and nutrient levels in leek. 2007 , 36, 70-82	115
921	Assessment of soil microbial communities in surface applied mixtures of Illinois River sediments and biosolids. 2007 , 36, 176-183	23
920	The soil microbial community response when plants are subjected to water stress and defoliation disturbance. 2007 , 37, 139-149	26
919	Carbon and nitrogen limitation to microbial respiration and biomass in an acidic solfatara field. 2007 , 43, 1-13	29
918	Spatial patterns of bacterial signature biomarkers in marine sediments of the Gulf of Mexico. 2007 , 238, 168-179	32
917	The effect of microbial communities on soil hydrological processes: A microcosm study utilising simulated rainfall. 2007 , 142, 11-17	7
916	Use of an ATP assay to determine viable microbial biomass in Fennoscandian Shield groundwater from depths of 3-1000 m. 2007 , 70, 363-73	59
915	Tracing 2,4-D metabolism in <i>Cupriavidus necator</i> JMP134 with ¹³ C-labelling technique and fatty acid profiling. 2007 , 71, 162-74	23

914	Soil Microbial Community Structure and Function Assessed by FAME, PLFA and DGGE □ Advantages and Limitations. 2007 , 181-200	16
913	Organic Matter Preservation and Microbial Community Accumulations in Deep-Hypersaline Anoxic Basins. 2007 , 24, 19-29	6
912	Bacterial diversity in hyperarid Atacama Desert soils. 2007 , 112, n/a-n/a	133
911	Evaluation of fatty acid extraction methods for <i>Thraustochytrium</i> sp. ONC-T18. 2007 , 55, 4795-801	69
910	Advanced Techniques in Soil Microbiology. 2007 ,	6
909	Community shifts and carbon translocation within metabolically-active rhizosphere microorganisms in grasslands under elevated CO ₂ . 2007 , 4, 769-779	129
908	Determination of community structure through deconvolution of PLFA-FAME signature of mixed population. 2007 , 96, 409-20	2
907	Gas chromatography coupled to mass spectrometry for analyses of organic compounds and biomarkers as tracers for geological, environmental, and forensic research. 2007 , 30, 1516-36	46
906	Assessment of the effects of hydrocarbon contamination on the sedimentary bacterial communities and determination of the polar lipid fraction purity: Relevance of intact phospholipid analysis. 2007 , 103, 304-317	9
905	Survival and preservation after freeze-drying process of thermoresistant acetic acid bacteria isolated from tropical products of Subsaharan Africa. 2007 , 79, 1374-1382	24
904	Microbial sulfate reduction and metal attenuation in pH 4 acid mine water. 2007 , 8, 10	59
903	Effects of ciprofloxacin on salt marsh sediment microbial communities. 2007 , 1, 585-95	104
902	Carbon and nitrogen limitation of soil microbial respiration in a High Arctic successional glacier foreland near Ny-Ålesund, Svalbard. 2007 , 26, 22-30	68
901	Polar lipid fatty acids as indicators of trophic associations in a deep-sea vent system community. 2007 , 28, 15-24	39
900	Spatial variation of active microbiota in the rice rhizosphere revealed by in situ stable isotope probing of phospholipid fatty acids. 2007 , 9, 474-81	62
899	Microbial response to salinity change in Lake Chaka, a hypersaline lake on Tibetan plateau. 2007 , 9, 2603-21	175
898	Plant species richness, elevated CO ₂ , and atmospheric nitrogen deposition alter soil microbial community composition and function. 2007 , 13, 980-989	197
897	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. 2007 , 13, 1089-1099	109

896	Rhizodeposition shapes rhizosphere microbial community structure in organic soil. 2007 , 173, 600-610		344
895	Biomass and compositional responses of ectomycorrhizal fungal hyphae to elevated CO ₂ and nitrogen fertilization. 2007 , 176, 164-174		122
894	Response of <i>Halomonas campisalis</i> to saline stress: changes in growth kinetics, compatible solute production and membrane phospholipid fatty acid composition. 2007 , 274, 196-203		17
893	Biochemical and molecular characterization of methanotrophs in soil from a pristine New Zealand beech forest. 2007 , 275, 89-97		30
892	Increased abundance of arbuscular mycorrhizal fungi in soil coincides with the reproductive stages of maize. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1401-1409	7.5	41
891	Interactions between microbial community structure and the soil environment found on golf courses. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1533-1541	7.5	15
890	Methane uptake in soils from <i>Pinus radiata</i> plantations, a reverting shrubland and adjacent pastures: Effects of land-use change, and soil texture, water and mineral nitrogen. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1437-1449	7.5	100
889	Distribution of the arbuscular mycorrhizal biomarker C16:1cis11 among neutral, glyco and phospholipids extracted from soil during the reproductive growth of corn. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1589-1596	7.5	30
888	Role of soil drying in nitrogen mineralization and microbial community function in semi-arid grasslands of north-west Australia. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1557-1569	7.5	53
887	Relationships between microbial community structure and soil environmental conditions in a recently burned system. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1703-1711	7.5	145
886	Isolation and characterization of a <i>Geobacillus thermoleovorans</i> strain from an ultra-deep South African gold mine. 2007 , 30, 152-64		39
885	Effects of vegetation type on soil microbial community structure and catabolic diversity assessed by polyphasic methods in North China. 2007 , 19, 1228-34		41
884	The effects of drainage and nitrogen enrichment on <i>Phragmites australis</i> , <i>Spartina alterniflora</i> , and their root-associated microbial communities. 2007 , 27, 915-927		34
883	An invasive aster (<i>Ageratina adenophora</i>) invades and dominates forest understories in China: altered soil microbial communities facilitate the invader and inhibit natives. 2007 , 294, 73-85		121
882	Alfalfa response to elevated atmospheric CO ₂ varies with the symbiotic rhizobial strain. 2007 , 301, 173-187		30
881	Investigating freshwater periphyton community response to uranium with phospholipid fatty acid and denaturing gradient gel electrophoresis analyses. 2008 , 99, 730-8		12
880	Estimation of bacterial biomass in subsurface sediments by quantifying intact membrane phospholipids. 2008 , 390, 885-96		25
879	Comparison of extraction and derivatization methods for fatty acid analysis in solid environmental matrixes. 2008 , 392, 505-14		30

878	Do nitrogen isotope patterns reflect microbial colonization of soil organic matter fractions?. 2008 , 44, 955-964		29
877	The effect of transgenic nematode resistance on non-target organisms in the potato rhizosphere. 2008 , 39, 915-923		44
876	Microbial community dynamics during composting of sewage sludge and straw studied through phospholipid and neutral lipid analysis. 2008 , 159, 593-601		65
875	Characterisation and quantification of organic phosphorus and organic nitrogen components in aquatic systems: a review. 2008 , 624, 37-58		126
874	Thermoanaerobacter uzonensis sp. nov., an anaerobic thermophilic bacterium isolated from a hot spring within the Uzon Caldera, Kamchatka, Far East Russia. 2008 , 58, 2565-73		23
873	Lipid biomarkers, pigments and cyanobacterial diversity of microbial mats across intertidal flats of the arid coast of the Arabian Gulf (Abu Dhabi, UAE). 2008 , 65, 449-62		38
872	On the contributions of David Cleaveland White, MD, PhD to microbial ecology: celebrating the life of a pioneer. 2008 , 2, 797-804		3
871	Community dynamics of anaerobic bacteria in deep petroleum reservoirs. 2008 , 1, 588-591		50
870	Microbial Community Analysis of Water, Foregut, and Hindgut during Growth of Pacific White Shrimp, <i>Litopenaeus vannamei</i> , in Closed-System Aquaculture. 2008 , 39, 251-258		49
869	Activity and composition of methanotrophic bacterial communities in planted rice soil studied by flux measurements, analyses of pmoA gene and stable isotope probing of phospholipid fatty acids. 2008 , 10, 400-12		79
868	Size and phenotypic structure of microbial communities within soil profiles in relation to different playing areas on a UK golf course. 2008 , 59, 835-841		9
867	OCCURRENCE OF AN ISOPRENOID C25 DIUNASATURATED ALKENE AND HIGH NEUTRAL LIPID CONTENT IN ANTRACTIC SEA-ICE DIATOM COMMUNITIES1. 2008 , 24, 90-96		144
866	Effects of acclimation temperature on thermal tolerance and membrane phospholipid composition in the fruit fly <i>Drosophila melanogaster</i> . 2008 , 54, 619-29		111
865	Drying and rewetting effects on soil microbial community composition and nutrient leaching. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 302-311	7.5	253
864	Labile and recalcitrant plant fractions are utilised by distinct microbial communities in soil: Independent of the presence of roots and mycorrhizal fungi. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 1103-1113	7.5	161
863	Comparing PLFA and amino sugars for microbial analysis in an Upper Michigan old growth forest. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2063-2065	7.5	64
862	Atmospheric CO2 enrichment and nutrient additions to planted soil increase mineralisation of soil organic matter, but do not alter microbial utilisation of plant- and soil C-sources. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2434-2440	7.5	76
861	Carbon routes from decomposing plant residues and living roots into soil food webs assessed with 13C labelling. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2530-2539	7.5	69

860	Methane turnover and temperature response of methane-oxidizing bacteria in permafrost-affected soils of northeast Siberia. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 3004-3013	7.5	56
859	Challenges for coring deep permafrost on Earth and Mars. 2008 , 8, 623-38		14
858	Chapter 6 Combining Biomarker with Stable Isotope Analyses for Assessing the Transformation and Turnover of Soil Organic Matter. 2008 , 155-250		246
857	Tribute to the scientific contributions of David Cleaveland White. 2008 , 74, 1-4		1
856	Characteristics of microbial habitats in a tropical soil subject to different fallow management. 2008 , 38, 51-61		8
855	Water extraction of coals [potential for estimating low molecular weight organic acids as carbon feedstock for the deep terrestrial biosphere. 2008 , 39, 985-991		33
854	Vertical distribution of microbial lipids and functional genes in chemically distinct layers of a highly polluted meromictic lake. 2008 , 39, 1572-1588		30
853	Direct quantitation of fatty acids present in bacteria and fungi: stability of the cyclopropane ring to chlorotrimethylsilane. 2008 , 56, 4923-7		5
852	Variation in PAH inputs and microbial community in surface sediments of Hamilton Harbour: implications to remediation and monitoring. 2008 , 153, 60-70		20
851	Linking tree biodiversity to belowground process in a young tropical plantation: Impacts on soil CO ₂ flux. 2008 , 255, 2577-2588		21
850	Influence of coarse wood and pine saplings on nitrogen mineralization and microbial communities in young post-fire <i>Pinus contorta</i> . 2008 , 256, 59-67		15
849	Diversity of the active methanotrophic community in acidic peatlands as assessed by mRNA and SIP-PLFA analyses. 2008 , 10, 446-59		122
848	Plant-soil microorganism interactions: heritable relationship between plant genotype and associated soil microorganisms. 2008 , 89, 773-81		252
847	Simultaneous Preservation of Soil Structural Properties and Phospholipid Profiles: A Comparison of Three Drying Techniques. 2008 , 18, 284-287		8
846	Changes in soil microbial biomass and community composition along vegetation zonation in a coastal sand dune. 2008 , 46, 390		10
845	New and Current Microbiological Tools for Ecosystem Ecologists: Towards a Goal of Linking Structure and Function. 2008 , 160, 140-159		19
844	Floodplain soils at the Elbe river, Germany, and their diverse microbial biomass. 2008 , 54, 259-273		20
843	Subsurface microbial diversity in deep-granitic-fracture water in Colorado. 2008 , 74, 143-52		102

842	Soil formate regulates the fungal nitrous oxide emission pathway. 2008 , 74, 6690-6		32
841	Repeated freeze-thaw cycles changed organic matter quality in a temperate forest soil. 2008 , 171, 707-718		48
840	What do membrane lipids tell us about the microorganisms living in extreme environments?. 2008 ,		
839	Aboveground and belowground effects of single-tree removals in New Zealand rain forest. 2008 , 89, 1232-45		23
838	Bacterially enhanced dissolution of meta-autunite. 2008 , 93, 1858-1864		13
837	Vegetation composition and soil microbial community structural changes along a wetland hydrological gradient. 2008 , 12, 277-291		29
836	Influence of CH ₄ and H ₂ S availability on symbiont distribution, carbon assimilation and transfer in the dual symbiotic vent mussel <i>Bathymodiolus azoricus</i> . 2008 , 5, 1681-1691		43
835	In situ production of crenarchaeol in two California hot springs. 2009 , 75, 4443-51		56
834	Ecophysiology of "Halarsenatibacter silvermanii" strain SLAS-1T, gen. nov., sp. nov., a facultative chemoautotrophic arsenate respirer from salt-saturated Searles Lake, California. 2009 , 75, 1950-60		42
833	Rhizosphere Effect of Colonizer Plant Species on the Development of Soil Microbial Community during Primary Succession on Postmining Sites. 2009 , 40, 758-770		12
832	<i>Caldanaerovirga acetigignens</i> gen. nov., sp. nov., an anaerobic xylanolytic, alkalithermophilic bacterium isolated from Trego Hot Spring, Nevada, USA. 2009 , 59, 2685-91		8
831	Dynamics of soil microbial populations involved in 2,4-D biodegradation revealed by FAME-based Stable Isotope Probing. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 77-85	7.5	41
830	Effects of different chloroform stabilizers on the extraction efficiencies of phospholipid fatty acids from soils. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 428-430	7.5	10
829	Nitrifier dominance of Arctic soil nitrous oxide emissions arises due to fungal competition with denitrifiers for nitrate. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1104-1110	7.5	51
828	Substrate inputs and pH as factors controlling microbial biomass, activity and community structure in an arable soil. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1396-1405	7.5	196
827	Physiological, biochemical and molecular responses of the soil microbial community after afforestation of pastures with <i>Pinus radiata</i> . <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1642-1651	7.5	86
826	Microbial response to exudates in the rhizosphere of young beech trees (<i>Fagus sylvatica</i> L.) after dormancy. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1976-1985	7.5	61
825	Biofilm structure and its influence on clogging in drip irrigation emitters distributing reclaimed wastewater. 2009 , 21, 834-41		54

824	Isotopic evidences for microbiologically mediated and direct C input to soil compounds from three different leaf litters during their decomposition. 2009 , 7, 85-95	19
823	A continuous labelling approach to recover photosynthetically fixed carbon in plant tissue and rhizosphere organisms of young beech trees (<i>Fagus sylvatica</i> L.) using ¹³ C depleted CO ₂ . 2009 , 323, 21-29	22
822	Distributions of phospholipid and glycolipid fatty acids in two strains of different functional <i>Erythrobacter</i> sp. isolated from South China Sea. 2009 , 3, 91-99	1
821	Shifts in microbial community composition following surface application of dredged river sediments. 2009 , 57, 160-9	18
820	Gammaproteobacteria as a possible source of eicosapentaenoic acid in anoxic intertidal sediments. 2009 , 57, 444-54	32
819	Investigating biological control over soil carbon temperature sensitivity. 2009 , 15, 2935-2949	101
818	Seasonal shifts in the diet of lake zooplankton revealed by phospholipid fatty acid analysis. 2009 , 54, 90-104	67
817	Presence and activity of anaerobic ammonium-oxidizing bacteria at deep-sea hydrothermal vents. 2009 , 3, 117-23	134
816	Use of ¹³ C labeling to assess carbon partitioning in transgenic and nontransgenic (parental) rice and their rhizosphere soil microbial communities. 2009 , 67, 93-102	60
815	High turnover of fungal hyphae in incubation experiments. 2009 , 67, 389-96	25
814	Vertical distribution and diversity of sulfate-reducing prokaryotes in the Pearl River estuarine sediments, Southern China. 2009 , 70, 93-106	61
813	Detection of microbial biomass by intact polar membrane lipid analysis in the water column and surface sediments of the Black Sea. 2009 , 11, 2720-34	135
812	Constraining carbon sources and growth rates of freshwater microbialites in Pavilion Lake using (¹⁴ C) analysis. 2009 , 7, 544-55	40
811	Influence of <i>Phanerochaete chrysosporium</i> on microbial communities and lignocellulose degradation during solid-state fermentation of rice straw. 2009 , 44, 17-22	44
810	Lipid biomarkers for assessment of microbial communities in floodplain soils of the Elbe River (Germany). 2009 , 29, 353-362	51
809	Toxicity of select organic acids to the slightly thermophilic acidophile <i>Acidithiobacillus caldus</i> . 2009 , 28, 279-86	12
808	Effects of diesel and interactions with copper and other metals in an estuarine sediment microbial community. 2009 , 28, 2289-97	2
807	The response of microbial communities to diverse organic matter sources in the Arctic Ocean. 2009 , 56, 1249-1263	9

806	Temperature adaptation of microbial communities in different horizons of Siberian permafrost-affected soils from the Lena Delta. 2009 , 69, 169-182	24
805	Microbial properties and litter and soil nutrients after two prescribed fires in developing savannas in an upland Missouri Ozark Forest. 2009 , 257, 755-763	51
804	Comparison of ladderane phospholipid and core lipids as indicators for anaerobic ammonium oxidation (anammox) in marine sediments. 2009 , 73, 2077-2088	43
803	Structural diversity and fate of intact polar lipids in marine sediments. 2009 , 73, 6816-6833	155
802	Effects of different soil weights, storage times and extraction methods on soil phospholipid fatty acid analyses. 2009 , 150, 171-178	100
801	Fate of bacterial biomass derived fatty acids in soil and their contribution to soil organic matter. 2009 , 40, 29-37	111
800	Separation of core and intact polar archaeal tetraether lipids using silica columns: Insights into living and fossil biomass contributions. 2009 , 40, 12-19	93
799	Lipid biomarker analysis of cyanobacteria-dominated microbial mats in meltwater ponds on the McMurdo Ice Shelf, Antarctica. 2009 , 40, 258-269	42
798	Biogeochemistry of high salinity microbial mats [Part 1: Lipid composition of microbial mats across intertidal flats of Abu Dhabi, United Arab Emirates. 2009 , 40, 1018-1028	24
797	Carbon isotope fractionation in phospholipid fatty acid biomarkers of bacteria and fungi native to an acid mine drainage lake. 2009 , 40, 956-962	20
796	Maturation related changes in the distribution of ester bound fatty acids and alcohols in a coal series from the New Zealand Coal Band covering diagenetic to catagenetic coalification levels. 2009 , 40, 1063-1073	20
795	Seasonal variations in lipid composition of the hydrothermal vent mussel <i>Bathymodiolus azoricus</i> from the Menez Gwen vent field. 2009 , 67, 146-52	22
794	Microbial reduction of ferrous arsenate: Biogeochemical implications for arsenic mobilization. 2009 , 24, 2332-2341	27
793	Symbiotic Fungi. 2009 ,	8
792	Pressurized liquid extraction of soil microbial phospholipid and neutral lipid fatty acids. 2009 , 57, 7171-7	10
791	Microaerobic and anaerobic metabolism of a <i>Methylocystis parvus</i> strain isolated from a denitrifying bioreactor. 2009 , 1, 442-9	27
790	Cover Crop and Liquid Manure Effects on Soil Quality Indicators in a Corn Silage System. 2009 , 101, 727-737	85
789	Fungal and Bacterial Abundance in Long-Term No-Till and Intensive-Till Soils of the Northern Great Plains. 2009 , 73, 120-127	124

788	Molecular evidence for anaerobic ammonium-oxidizing (anammox) bacteria in continental shelf and slope sediments off northwest Africa. 2010 , 55, 365-376		37
787	Biodegradation of a biocide (Cu-N-cyclohexyldiazonium dioxide) component of a wood preservative by a defined soil bacterial community. 2010 , 76, 8076-83		24
786	Effect of the nitrification inhibitor dicyandiamide on microbial communities and N ₂ O from an arable soil fertilized with ammonium sulphate. 2010 , 8, 237-246		21
785	Biodiversity at the plant-soil interface: microbial abundance and community structure respond to litter mixing. <i>Oecologia</i> , 2010 , 162, 763-9	2.9	89
784	Relationship between soil microbial biomass determined by SIR and PLFA analysis in floodplain soils. 2010 , 10, 4-8		14
783	Microbial respiratory quinones as indicator of ecophysiological redox conditions. 2010 , 4, 195-204		2
782	Determining the impact of scale insect honeydew, and invasive wasps and rodents, on the decomposer subsystem in a New Zealand beech forest. 2010 , 12, 2619-2638		17
781	Soils as agents of selection: feedbacks between plants and soils alter seedling survival and performance. 2010 , 24, 1045-1059		62
780	Changes in microbial community structure and function following Sphagnum peatland restoration. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 291-301	7.5	74
779	Inferring biological soil crust successional stage using combined PLFA, DGGE, physical and biophysiological analyses. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 842-849	7.5	63
778	Tree species-mediated spatial patchiness of the composition of microbial community and physicochemical properties in the topsoils of a tropical montane forest. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 1588-1595	7.5	75
777	Long-term no-till management affects microbial biomass but not community composition in Canadian prairie agroecosystems. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 2192-2202	7.5	82
776	A new combination of extraction and derivatization methods that reduces the complexity and preparation time in determining phospholipid fatty acids in solid environmental samples. 2010 , 101, 1348-54		34
775	Supercritical fluid extraction of microbial phospholipid fatty acids from activated sludge. 2010 , 1217, 6704-8		6
774	Ribosomal RNA gene fragments from fossilized cyanobacteria identified in primary gypsum from the late Miocene, Italy. 2010 , 8, 101-11		63
773	Microbial diversity and activity are increased by compost amendment of metal-contaminated soil. 2010 , 71, 94-105		46
772	Biofilm Accumulation and Structure in the Flow Path of Drip Emitters Using Reclaimed Wastewater. 2010 , 53, 751-758		17
771	The Impact of Elevated CO ₂ Changes Carbon and Nitrogen Cycle for Different Wetland Plant Species in Shallow Lake Wetlands in the East China. 2010 ,		

- 770 Both catabolic and anabolic heterotrophic microbial activity proceed in frozen soils. **2010**, 107, 21046-51 73
- 769 Stress-induced changes of phospholipids in betaproteobacterium *Aromatoleum aromaticum* strain EbN1 due to alkylbenzene growth substrates. **2010**, 18, 92-101 15
- 768 Comparison of extraction methods for quantitative analysis of core and intact polar glycerol dialkyl glycerol tetraethers (GDGTs) in environmental samples. **2010**, 8, 127-145 56
- 767 Relationships among plants, soils and microbial communities along a hydrological gradient in the New Jersey Pinelands, USA. **2010**, 105, 185-96 33
- 766 Effects of transgenic watermelon with CGMMV resistance on the diversity of soil microbial communities using PLFA. **2010**, 14, 225-236
- 765 Arctic permafrost active layer detachments stimulate microbial activity and degradation of soil organic matter. **2010**, 44, 4076-82 67
- 764 Determination of microbial carbon sources and cycling during remediation of petroleum hydrocarbon impacted soil using natural abundance (^{14}C) analysis of PLFA. **2010**, 44, 2322-7 40
- 763 Microbial Community Structure and Diversity as Indicators for Evaluating Soil Quality. **2010**, 317-358 42
- 762 Microbial carbon cycling in oligotrophic regional aquifers near the Tono Uranium Mine, Japan as inferred from $\delta^{13}\text{C}$ and $\delta^{14}\text{C}$ values of in situ phospholipid fatty acids and carbon sources. **2010**, 74, 3785-3805 32
- 761 Fossilization and degradation of intact polar lipids in deep subsurface sediments: A theoretical approach. **2010**, 74, 3806-3814 122
- 760 Bacterial and eukaryotic intact polar lipids in the eastern subtropical South Pacific: Water-column distribution, planktonic sources, and fatty acid composition. **2010**, 74, 6499-6516 70
- 759 The role of soil moisture, temperature and nutrient amendment on CO_2 efflux from agricultural peat soil microcosms. **2010**, 154, 203-210 49
- 758 Photosynthetic isotope biosignatures in laminated micro-stromatolitic and non-laminated nodules associated with modern, freshwater microbialites in Pavilion Lake, B.C.. **2010**, 274, 56-67 38
- 757 Sources of organic matter and microbial community structure in the sediments of the Visakhapatnam harbour, east coast of India. **2010**, 276, 309-317 16
- 756 Tree species effects on soil enzyme activities through effects on soil physicochemical and microbial properties in a tropical montane forest on Mt. Kinabalu, Borneo. **2010**, 53, 227-233 66
- 755 Occurrence and distribution of extractable glycerol dialkyl glycerol tetraethers in podzols. **2010**, 41, 291-301 37
- 754 Sources and molecular composition of cryoconite organic matter from the Athabasca Glacier, Canadian Rocky Mountains. **2010**, 41, 177-186 29
- 753 Changes in intact membrane lipid content of archaeal cells as an indication of metabolic status. **2010**, 41, 930-934 23

752	Distribution of polar membrane lipids in permafrost soils and sediments of a small high Arctic catchment. 2010 , 41, 1130-1145	32
751	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. 2010 , 41, 1207-1218	51
750	Effect of fertilizer, herbicide and grazing management of pastures on plant and soil communities. 2010 , 45, 175-186	42
749	No-till soil management increases microbial biomass and alters community profiles in soil aggregates. 2010 , 46, 390-397	167
748	Occurrence and distribution of glycerol dialkyl glycerol tetraethers in a French peat bog. 2010 , 41, 559-572	57
747	Assessing microbial uptake of petroleum hydrocarbons in groundwater systems using natural abundance radiocarbon. 2010 , 44, 5092-7	16
746	Microbial substrate preference and community dynamics during decomposition of <i>Acer saccharum</i> . 2011 , 4, 396-407	51
745	Biodiversity, Biofuels, Agroforestry and Conservation Agriculture. 2011 ,	9
744	A multi-proxy study of anaerobic ammonium oxidation in marine sediments of the Gullmar Fjord, Sweden. 2011 , 3, 360-6	54
743	Capture of Planktonic Microbial Diversity in Fractures by Long-Term Monitoring of Flowing Boreholes, Evander Basin, South Africa. 2011 , 28, 275-300	25
742	Biogeochemical processes in a clay formation in situ experiment: Part D [Microbial analyses] Synthesis of results. 2011 , 26, 980-989	34
741	Multivariate approach to characterizing soil microbial communities in pristine and agricultural sites in Northwest Argentina. 2011 , 47, 176-183	36
740	Altered food web structure and C-flux pathways associated with mineralisation of organic amendments to agricultural soil. 2011 , 48, 107-116	28
739	Soil microbial communities and activities in sand dunes of subtropical coastal forests. 2011 , 49, 256-262	20
738	Factors controlling the distribution of anaerobic methanotrophic communities in marine environments: Evidence from intact polar membrane lipids. 2011 , 75, 164-184	98
737	Variable effects of labile carbon on the carbon use of different microbial groups in black slate degradation. 2011 , 75, 2557-2570	23
736	Petroleum degradation and associated microbial signatures at the Chapopote asphalt volcano, Southern Gulf of Mexico. 2011 , 75, 4377-4398	30
735	Biostabilization and erodibility of cohesive sediment deposits in wildfire-affected streams. 2011 , 45, 521-34	37

734	Distribution of intact and core GDGTs in marine sediments. 2011 , 42, 368-375		79
733	Identification and distribution of intact polar branched tetraether lipids in peat and soil. 2011 , 42, 1007-1015		55
732	Gradients in intact polar diacylglycerolipids across the Mediterranean Sea are related to phosphate availability. 2011 , 8, 3733-3745		26
731	A laboratory experiment of intact polar lipid degradation in sandy sediments. 2011 , 8, 2547-2560		67
730	Midwest Cropping System Effects on Soil Properties and on a Soil Quality Index. 2011 , 103, 1552-1562		42
729	Microbial communities in Cerrado soils under native vegetation subjected to prescribed fire and under pasture. 2011 , 46, 1665-1672		13
728	Microbial food web dynamics along a soil chronosequence of a glacier forefield. 2011 , 8, 3283-3294		33
727	Spatial Variability in Soil Microbial Communities in a Nitrogen-Saturated Hardwood Forest Watershed. 2011 , 75, 280-286		16
726	Assessment of the spatial distribution of soil microbial communities in patchy arid and semi-arid landscapes of the Negev Desert using combined PLFA and DGGE analyses. 2011 , 76, 492-503		81
725	Niche segregation of ammonia-oxidizing archaea and anammox bacteria in the Arabian Sea oxygen minimum zone. 2011 , 5, 1896-904		167
724	Soil microbial communities in (sub)alpine grasslands indicate a moderate shift towards new environmental conditions 11 years after soil translocation. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1148-1154	7.5	31
723	Soil fauna alter the effects of litter composition on nitrogen cycling in a mineral soil. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1440-1449	7.5	102
722	Microbial community abundance and structure are determinants of soil organic matter mineralisation in the presence of labile carbon. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1705-1713	7.5	158
721	Long-term exclusion of plant-inputs to soil reduces the functional capacity of microbial communities to mineralise recalcitrant root-derived carbon sources. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1873-1880	7.5	52
720	Solvent-based washing removes lipophilic contaminant interference with phospholipid fatty acid analysis of soil communities. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 2208-2212	7.5	4
719	Phosphate additions have no effect on microbial biomass and activity in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 2441-2449	7.5	37
718	Effects of ozone on gene expression and lipid peroxidation in adults and larvae of the red flour beetle (<i>Tribolium castaneum</i>). 2011 , 47, 378-384		31
717	Food web flows through a sub-arctic deep-sea benthic community. 2011 , 91, 245-259		26

716	Ammonia-oxidizing Archaea in Kamchatka Hot Springs. 2011 , 28, 149-159		18
715	Short-term response of physical and chemical aspects of soil quality of a kaolinitic Kandiudalfts to agricultural practices and its association with microbiological variables. 2011 , 142, 419-427		19
714	Linear and non-linear impacts of a non-native plant invasion on soil microbial community structure and function. 2011 , 13, 757-768		53
713	Medium-term fertilization of grassland plant communities masks plant species-linked effects on soil microbial community structure. 2011 , 344, 187-196		26
712	Interactive influences of climate and parent material on soil microbial community structure in Bornean tropical forest ecosystems. 2011 , 26, 627-636		44
711	Legacy effects overwhelm the short-term effects of exotic plant invasion and restoration on soil microbial community structure, enzyme activities, and nitrogen cycling. <i>Oecologia</i> , 2011 , 167, 733-45	2.9	97
710	Forest gene diversity is correlated with the composition and function of soil microbial communities. 2011 , 53, 35-46		45
709	Effect of biostimulation on the microbial community in PCB-contaminated sediments through periodic amendment of sediment with iron. 2011 , 38, 1691-707		11
708	The role of fungi in processing marine organic matter in the upwelling ecosystem off Chile. 2011 , 158, 205-219		66
707	Extraction parameters significantly influence the quantity and the profile of PLFAs extracted from soils. 2011 , 62, 704-14		26
706	Phospholipid fatty acid biomarkers in a freshwater periphyton community exposed to uranium: discovery by non-linear statistical learning. 2011 , 102, 64-71		8
705	Can gas chromatography combustion isotope ratio mass spectrometry be used to quantify organic compound abundance?. 2011 , 25, 2433-8		45
704	Chemical and microbial effects of atmospheric particles on the performance of steep-slope roofing materials. 2011 , 46, 999-1010		14
703	Priming effect after glucose amendment in two different soils evaluated by SIR- and PLFA-technique. 2011 , 37, 465-473		9
702	Plant functional group richness-affected microbial community structure and function in a full-scale constructed wetland. 2011 , 37, 1360-1368		20
701	Mobilisation of organic compounds from reservoir rocks through the injection of CO ₂ Comparison of baseline characterization and laboratory experiments. 2011 , 4, 4524-4531		25
700	Changes in fatty acid composition in degrading algal aggregates. 2011 , 124, 2-13		17
699	Microbial lipid markers within and adjacent to Challenger Mound in the Belgica carbonate mound province, Porcupine Basin, offshore Ireland (IODP Expedition 307). 2011 , 282, 91-101		9

698	Microbial life in a liquid asphalt desert. 2011 , 11, 241-58	46
697	A bacterial enrichment study and overview of the extractable lipids from paleosols in the Dry Valleys, Antarctica: implications for future Mars reconnaissance. 2011 , 11, 303-21	13
696	Rapid microbial respiration of oil from the Deepwater Horizon spill in offshore surface waters of the Gulf of Mexico. 2011 , 6, 035301	88
695	Soil Microbial Community Composition in a Restored Calcareous Subtropical Wetland. 2011 , 75, 1731-1740	26
694	Calcium constrains plant control over forest ecosystem nitrogen cycling. 2011 , 92, 2035-42	24
693	Core and intact polar glycerol dibiphytanyl glycerol tetraether lipids of ammonia-oxidizing archaea enriched from marine and estuarine sediments. 2011 , 77, 3468-77	150
692	Predicting the Onset of Metal Leaching from Land Application of Wastewater Using Soil Sensors and Microbial Community Analyses. 2011 , 137, 97-107	3
691	Soil microbial biomass Interpretation and consideration for soil monitoring. 2011 , 49, 287	66
690	No-net-loss not met for nutrient function in freshwater marshes: recommendations for wetland mitigation policies. 2011 , 2, art82	30
689	Effects of Microbial Community Structure, Terminal Electron Accepting Conditions, and Molybdate on the Extent of U(VI) Reduction in Landfill Aquifer Sediments. 2011 , 28, 430-443	1
688	Notice of Retraction: Phospholipid fatty acid technology applied research on the urban environment water repair. 2011 ,	
687	Supercritical fluid extraction of bacterial and archaeal lipid biomarkers from anaerobically digested sludge. 2012 , 13, 3022-37	5
686	Drivers of inter-year variability of plant production and decomposers across contrasting island ecosystems. 2012 , 93, 521-31	13
685	Effect of Drip Irrigation Water with Different Salinity on Soil Microbe of the Tarim Desert Highway Shelter-Forest. 2012 ,	2
684	Adaptation of Soil Microorganisms to Trace Element Contamination: A Review of Mechanisms, Methodologies, and Consequences for Risk Assessment and Remediation. 2012 , 42, 2435-2470	20
683	Distribution of intact and core membrane lipids of archaeal glycerol dialkyl glycerol tetraethers among size-fractionated particulate organic matter in hood canal, puget sound. 2012 , 78, 1480-90	34
682	Microbial Response to Organic Matter Enrichment in the Oligotrophic Levantine Basin (Eastern Mediterranean). 2012 , 29, 648-655	5
681	Phosphorus forms and enzymatic hydrolyzability of organic phosphorus in soils after 30 years of organic and conventional farming. 2012 , 175, 385-393	57

680	Spatial distribution of intact polar lipids in North Sea surface waters: Relationship with environmental conditions and microbial community composition. 2012 , 57, 959-973	31
679	Effects of extreme cold and aridity on soils and habitability: McMurdo Dry Valleys as an analogue for the Mars Phoenix landing site. 2012 , 24, 211-228	31
678	Microbial biomass and community structure changes along a soil development chronosequence near Lake Wellman, southern Victoria Land. 2012 , 24, 154-164	11
677	Resource quality affects carbon cycling in deep-sea sediments. 2012 , 6, 1740-8	40
676	Genomic Technologies in Environmental Bioremediation. 2012 , 701-718	4
675	Simple procedure for fatty acid analysis of glycerophospholipids in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . 2012 , 114, 472-5	2
674	Fire Accelerates Assimilation and Transfer of Photosynthetic Carbon from Plants to Soil Microbes in a Northern Peatland. 2012 , 15, 1245-1257	19
673	Symbiont-host relationships in chemosynthetic mussels: A comprehensive lipid biomarker study. 2012 , 43, 112-124	26
672	Isoprenoid glycerol dialkanol diethers: A series of novel archaeal lipids in marine sediments. 2012 , 43, 50-55	46
671	Comparison of extraction and work up techniques for analysis of core and intact polar tetraether lipids from sedimentary environments. 2012 , 47, 34-40	55
670	Lipid signatures of acidophilic microbial communities in an extreme acidic environment IR^{B} Tinto, Spain. 2012 , 47, 66-77	11
669	Effect of soil moisture and bovine urine on microbial stress. 2012 , 55, 211-218	12
668	Intact polar and core glycerol dibiphytanyl glycerol tetraether lipids of group I.1a and I.1b thaumarchaeota in soil. 2012 , 78, 6866-74	126
667	Variations in fluid chemistry and membrane phospholipid fatty acid composition of the bacterial community in a cold storage groundwater system during clogging events. 2012 , 27, 1278-1290	17
666	Subhumid pasture soil microbial communities affected by presence of grazing, but not grazing management. 2012 , 59, 20-28	12
665	Standardizing methylation method during phospholipid fatty acid analysis to profile soil microbial communities. 2012 , 88, 285-91	30
664	A carbon free filter for collection of large volume samples of cellular biomass from oligotrophic waters. 2012 , 90, 145-51	4
663	Biomarkers, chemistry and microbiology show chemoautotrophy in a multilayer chemocline in the Cariaco Basin. 2012 , 63, 133-156	60

662	Changes in soil chemical and biological properties after thinning and prescribed fire for ecosystem restoration in a Rocky Mountain Douglas-fir forest. 2012 , 275, 1-13	31
661	Core and intact polar glycerol dialkyl glycerol tetraethers (GDGTs) in Sand Pond, Warwick, Rhode Island (USA): Insights into the origin of lacustrine GDGTs. 2012 , 77, 561-581	119
660	Vertical and temporal variability in concentration and distribution of thaumarchaeotal tetraether lipids in Lake Superior and the implications for the application of the TEX86 temperature proxy. 2012 , 87, 136-153	37
659	Distribution of glycerol dialkyl glycerol tetraethers in Tibetan hot springs. 2012 , 3, 289-300	19
658	Stable-isotope labeling and probing of recent photosynthates into respired CO ₂ , soil microbes and soil mesofauna using a xylem and phloem stem-injection technique on Sitka spruce (<i>Picea sitchensis</i>). 2012 , 26, 2493-501	17
657	Tree species versus regional controls on ecosystem properties and processes: an example using introduced <i>Pinus contorta</i> in Swedish boreal forests ¹ This article is one of a selection of papers from the 7th International Conference on Disturbance Dynamics in Boreal Forests.. 2012 , 42, 1228-1238	14
656	Response of decomposing litter and its microbial community to multiple forms of nitrogen enrichment. 2012 , 82, 389-405	182
655	Effects of Irrigation Patterns and Nitrogen Fertilization on Rice Yield and Microbial Community Structure in Paddy Soil. 2012 , 22, 661-672	23
654	Defining manganese(II) removal processes in passive coal mine drainage treatment systems through laboratory incubation experiments. 2012 , 27, 1567-1578	38
653	High throughput phospholipid fatty acid analysis of soils. 2012 , 61, 127-130	230
652	An assessment of the soil microbial status after 17 years of tillage and mineral P fertilization management. 2012 , 62, 14-23	45
651	Measuring microbial biomass carbon by direct extraction [Comparison with chloroform fumigation-extraction. 2012 , 53, 103-106	30
650	Fluid chemistry and impact of different operating modes on microbial community at Neubrandenburg heat storage (Northeast German Basin). 2012 , 53, 8-15	13
649	Advection and diffusion determine vertical distribution of microbial communities in intertidal sediments as revealed by combined biogeochemical and molecular biological analysis. 2012 , 52, 114-129	15
648	Are humus forms, mesofauna and microflora in subalpine forest soils sensitive to thermal conditions?. 2012 , 48, 709-725	51
647	Detrital floc and surface soil microbial biomarker responses to active management of the nutrient impacted Florida everglades. 2012 , 64, 893-908	3
646	Effect of nitrogen fertilizer on nitrogen pools and soil communities under grazed pastures. 2012 , 55, 217-233	7
645	Effects of Methods of Carbon Sequestration in Soil on Biochemical Indicators of Soil Quality. 2012 , 179-207	4

644	Resource quantity affects benthic microbial community structure and growth efficiency in a temperate intertidal mudflat. 2012 , 7, e38582	20
643	Decline in topsoil microbial quotient, fungal abundance and C utilization efficiency of rice paddies under heavy metal pollution across South China. 2012 , 7, e38858	29
642	Soil fertilization leads to a decline in between-samples variability of microbial community $\delta^{13}C$ profiles in a grassland fertilization experiment. 2012 , 7, e44203	5
641	Archaeol: an indicator of methanogenesis in water-saturated soils. 2012 , 2012, 896727	16
640	Biogeochemical factors affecting mercury methylation rate in two contaminated floodplain soils. 2012 , 9, 493-507	98
639	Production of Branched Tetraether Lipids in the Lower Pearl River and Estuary: Effects of Extraction Methods and Impact on bGDGT Proxies. 2011 , 2, 274	51
638	Low temporal variation in the intact polar lipid composition of North Sea coastal marine water reveals limited chemotaxonomic value. 2012 , 9, 1073-1084	22
637	 Effects of tillage and residue management on soil microbial communities in North China. 2012 , 58, 28-33	40
636	In situ microbial detection in Mojave Desert soil using native fluorescence. 2012 , 12, 247-57	15
635	Key Biochemical Attributes to Assess Soil Ecosystem Sustainability. 2012 , 193-227	6
634	Evaluation of potential of molecular and physical techniques in studying biodeterioration. 2012 , 11, 71-104	36
633	Acclimatory responses to high-salt stress in <i>Chlamydomonas</i> (Chlorophyta, Chlorophyceae) from Antarctica. 2012 , 31, 116-124	34
632	Soil microbial community structure in a rice paddy field and its relationships to CH ₄ and N ₂ O fluxes. 2012 , 93, 35-50	16
631	Microbial-mediated feedbacks of leaf litter on invasive plant growth and interspecific competition. 2012 , 356, 341-355	43
630	Relationships Between Soil Microorganisms, Plant Communities, and Soil Characteristics in Chinese Subtropical Forests. 2012 , 15, 624-636	32
629	Uranium reduction and microbial community development in response to stimulation with different electron donors. 2012 , 23, 535-46	22
628	Soil microbial responses to elevated phosphorus and pH in acidic temperate deciduous forests. 2012 , 109, 189-202	114
627	Inhibitory effects of pentachlorophenol on wastewater biofilms as determined by phospholipid analysis and microelectrode. 2012 , 66, 8-13	6

626	Evaluation of methane production and macronutrient degradation in the anaerobic co-digestion of algae biomass residue and lipid waste. 2012 , 111, 42-8		152
625	Inhibitory effect of nitrobenzene on oxygen demand in lake sediments. 2012 , 24, 934-9		
624	Standardisation of methods in soil microbiology: progress and challenges. 2012 , 82, 1-10		51
623	Input related microbial carbon dynamic of soil organic matter in particle size fractions. <i>Soil Biology and Biochemistry</i> , 2012 , 47, 209-219	7.5	40
622	Current molecular biologic techniques for characterizing environmental microbial community. 2012 , 6, 82-97		26
621	Soil-mediated local adaptation alters seedling survival and performance. 2012 , 352, 243-251		51
620	Regulation of Microbial Community Composition and Activity by Soil Nutrient Availability, Soil pH, and Herbivory in the Tundra. 2012 , 15, 18-33		32
619	Snow cover manipulation effects on microbial community structure and soil chemistry in a mountain bog. 2013 , 369, 151-164		25
618	Effects of condensed tannins in conifer leaves on the composition and activity of the soil microbial community in a tropical montane forest. 2013 , 365, 157-170		52
617	Successional changes in the soil microbial community along a vegetation development sequence in a subalpine volcanic desert on Mount Fuji, Japan. 2013 , 364, 261-272		31
616	A microbial link between elevated CO ₂ and methane emissions that is plant species-specific. 2013 , 66, 621-9		12
615	Flooding impact on the distribution of microbial tetraether lipids in paddy rice soil in China. 2013 , 7, 384-394		9
614	The seasonal pattern of soil microbial community structure in mesic low arctic tundra. <i>Soil Biology and Biochemistry</i> , 2013 , 65, 338-347	7.5	93
613	Radiocarbon evidence of active endolithic microbial communities in the hyperarid core of the Atacama Desert. 2013 , 13, 607-16		35
612	Response of intestinal microbiota to antibiotic growth promoters in chickens. 2013 , 10, 331-7		68
611	Improved sensitivity of sedimentary phospholipid analysis resulting from a novel extract cleanup strategy. 2013 , 65, 46-52		9
610	Extraction and quantification of phosphorus derived from DNA and lipids in environmental samples. 2013 , 115, 336-41		15
609	N-driven changes in a plant community affect leaf-litter traits and may delay organic matter decomposition in a Mediterranean maquis. <i>Soil Biology and Biochemistry</i> , 2013 , 58, 163-171	7.5	25

608	Microbial biomass and community composition in a Luvisol soil as influenced by long-term land use and fertilization. 2013 , 107, 89-95		30
607	Evaluation of methods to estimate production, biomass and turnover of ectomycorrhizal mycelium in forests soils [A review]. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 1034-1047	7.5	163
606	Arable weeds, cover crops, and tillage drive soil microbial community composition in organic cropping systems. 2013 , 72, 232-241		40
605	Variable effects of plant colonization on black slate uptake into microbial PLFAs. 2013 , 106, 391-403		9
604	Soil Microbial Community Composition During Natural Recovery in the Loess Plateau, China. 2013 , 12, 1872-1883		15
603	Comparison of cryoconite organic matter composition from Arctic and Antarctic glaciers at the molecular-level. 2013 , 104, 1-18		26
602	Comprehensive glycerol ether lipid fingerprints through a novel reversed phase liquid chromatography-mass spectrometry protocol. 2013 , 65, 53-62		68
601	Differential degradation of intact polar and core glycerol dialkyl glycerol tetraether lipids upon post-depositional oxidation. 2013 , 65, 83-93		34
600	Indicators of soil ecosystem services in conventional and organic arable fields along a gradient of landscape heterogeneity in southern Sweden. 2013 , 65, 1-7		67
599	Removal of dissolved organic carbon and nitrogen during simulated soil aquifer treatment. 2013 , 47, 3559-72		25
598	Phosphate-free ornithine lipid contents in <i>Desulfovibrio</i> spp. respond to growth temperature. 2013 , 59, 133-142		6
597	Biogeochemical indicators of buried mineralization under cover, Talbot VMS Cu-Zn prospect, Manitoba. 2013 , 37, 190-202		5
596	Effects of a short-term experimental microclimate warming on the abundance and distribution of branched GDGTs in a French peatland. 2013 , 105, 294-315		45
595	Trophodynamic studies on the Condor seamount (Azores, Portugal, North Atlantic). 2013 , 98, 178-189		23
594	Relations among soil microbial community composition, nitrogen turnover, and tree growth in N-loaded and previously N-loaded boreal spruce forest. 2013 , 302, 319-328		36
593	Assessing microbial carbon sources and potential PAH degradation using natural abundance ¹⁴ C analysis. 2013 , 175, 125-30		17
592	Comparison of intact polar lipid with microbial community composition of vent deposits of the Rainbow and Lucky Strike hydrothermal fields. 2013 , 11, 72-85		22
591	Impacts of 3 years of elevated atmospheric CO ₂ on rhizosphere carbon flow and microbial community dynamics. 2013 , 19, 621-36		77

590	Impact of temperature, CO ₂ fixation and nitrate reduction on selenium reduction, by a paddy soil Clostridium strain. 2013 , 114, 703-12		15
589	Spatial variability of soil fungal and bacterial abundance: Consequences for carbon turnover along a transition from a forested to clear-cut site. <i>Soil Biology and Biochemistry</i> , 2013 , 63, 5-13	7.5	29
588	Isolation and physiological characterization of psychrophilic denitrifying bacteria from permanently cold Arctic fjord sediments (Svalbard, Norway). 2013 , 15, 1606-18		29
587	Soil microbial biomass, community composition and soil nitrogen cycling in relation to tree species in subtropical China. <i>Soil Biology and Biochemistry</i> , 2013 , 62, 68-75	7.5	66
586	Warming alters routing of labile and slower-turnover carbon through distinct microbial groups in boreal forest organic soils. <i>Soil Biology and Biochemistry</i> , 2013 , 60, 23-32	7.5	49
585	Thraustochytrids can be grown in low-salt media without affecting PUFA production. 2013 , 15, 437-44		13
584	Tetracycline and 4-epitetracycline modified the in vitro catabolic activity and structure of a sediment microbial community from a tropical tilapia farm idiosyncratically. 2013 , 48, 291-301		7
583	The Use of Stable Isotope Labeling and Compound-Specific Analysis of Microbial Phospholipid Fatty Acids to Quantify the Influences of Rhizodeposition on Microbial Community Structure and Function. 2013 , 141-148		1
582	A global analysis of soil microbial biomass carbon, nitrogen and phosphorus in terrestrial ecosystems. 2013 , 22, 737-749		490
581	Seasonal variation of microbial biomass, activity, and community structure in soil under different tillage and phosphorus management practices. 2013 , 49, 803-818		43
580	Impacts of nitrogen limitation on the sinking rate of the coccolithophorid <i>Emiliana huxleyi</i> (Prymnesiophyceae). 2013 , 52, 288-294		11
579	Soil microbial community indices as predictors of soil solution chemistry and N leaching in <i>Picea abies</i> (L.) Karst. forests in S. Sweden. 2013 , 372, 507-522		25
578	Decoupled long-term effects of nutrient enrichment on aboveground and belowground properties in subalpine tundra. 2013 , 94, 904-919		50
577	Ecology of aerobic methanotrophs in controlling methane fluxes from wetlands. 2013 , 65, 8-22		93
576	Influence of lake water pH and alkalinity on the distribution of core and intact polar branched glycerol dialkyl glycerol tetraethers (GDGTs) in lakes. 2013 , 60, 72-82		46
575	Soil Litter Mixing Accelerates Decomposition in a Chihuahuan Desert Grassland. 2013 , 16, 183-195		45
574	Microbial cell-envelope fragments and the formation of soil organic matter: a case study from a glacier forefield. 2013 , 113, 595-612		65
573	Rapid degradation of Deepwater Horizon spilled oil by indigenous microbial communities in Louisiana saltmarsh sediments. 2013 , 47, 13303-12		89

572	Direct evaluation of in situ biodegradation in Athabasca oil sands tailings ponds using natural abundance radiocarbon. 2013 , 47, 10214-22	10
571	<i>Brockia lithotrophica</i> gen. nov., sp. nov., an anaerobic thermophilic bacterium from a terrestrial hot spring. 2013 , 63, 479-483	17
570	Chronic nitrogen deposition alters the structure and function of detrital food webs in a northern hardwood ecosystem. 2013 , 23, 1311-21	27
569	Disentangling the origins of branched tetraether lipids and crenarchaeol in the lower Amazon River: Implications for GDGT-based proxies. 2013 , 58, 343-353	90
568	Sediment community responses to marine vs. terrigenous organic matter in a submarine canyon. 2013 , 10, 67-80	27
567	Environmental controls on the distribution of archaeal lipids in Tibetan hot springs: insight into the application of organic proxies for biogeochemical processes. 2013 , 5, 868-882	10
566	The effect of canola (<i>Brassica napus</i>) as a biofumigant on soil microbial communities and plant vitality: a pot study. 2013 , 30, 191-201	4
565	Turnover of microbial lipids in the deep biosphere and growth of benthic archaeal populations. 2013 , 110, 6010-4	79
564	Response of methanogenic archaea to Late Pleistocene and Holocene climate changes in the Siberian Arctic. 2013 , 27, 305-317	34
563	Microbial Community Structure of a Leachfield Soil: Response to Intermittent Aeration and Tetracycline Addition. 2013 , 5, 505-524	7
562	Arctic gypsum endoliths: a biogeochemical characterization of a viable and active microbial community. 2013 , 10, 7661-7675	19
561	Prominent bacterial heterotrophy and sources of $\delta^{13}C$ -depleted fatty acids to the interior Canada Basin. 2013 , 10, 7065-7080	5
560	Different seasonality of pelagic and benthic Thaumarchaeota in the North Sea. 2013 , 10, 7195-7206	26
559	Leaf litter mixtures alter microbial community development: mechanisms for non-additive effects in litter decomposition. 2013 , 8, e62671	102
558	The role of tetraether lipid composition in the adaptation of thermophilic archaea to acidity. 2013 , 4, 62	41
557	Wide distribution of autochthonous branched glycerol dialkyl glycerol tetraethers (bGDGTs) in U.S. Great Basin hot springs. 2013 , 4, 222	11
556	The distribution and abundance of archaeal tetraether lipids in U.S. Great Basin hot springs. 2013 , 4, 247	5
555	Microbial succession during thermophilic digestion: the potential of <i>Methanosarcina</i> sp. 2014 , 9, e86967	15

554	Mechanisms of microbial carbon sequestration in the ocean [Future research directions. 2014 , 11, 5285-5306	107
553	Phospholipid Fatty Acid Stable Isotope Probing Techniques in Microbial Ecology. 2014 , 37-71	2
552	Biotic and Abiotic Constraints on the Decomposition of <i>Fagus sylvatica</i> Leaf Litter Along an Altitudinal Gradient in Contrasting Land-Use Types. 2014 , 17, 1326-1337	15
551	The Global Phosphorus Cycle. 2014 , 499-558	42
550	Production and early preservation of lipid biomarkers in iron hot springs. 2014 , 14, 502-21	26
549	Diversity of Soil Microbial Communities under Different Soil Salinity Levels Analyzing by PLFA. 2014 , 955-959, 314-320	1
548	Biogeochemical controls on metal mobility: modeling a Cu-Zn VMS deposit in column flow-through studies. 2014 , 14, 59-70	3
547	Methanogen Biomarkers in the Discontinuous Permafrost Zone of Stordalen, Sweden. 2014 , 25, 221-232	6
546	Going underground: root traits as drivers of ecosystem processes. 2014 , 29, 692-9	596
545	Impact of Lake-Level and Climate Changes on Microbial Communities in a Terrestrial Permafrost Sequence of the El'gygytgyn Crater, Far East Russian Arctic. 2014 , 25, 107-116	11
544	Production of branched tetraether lipids in Tibetan hot springs: A possible linkage to nitrite reduction by thermotolerant or thermophilic bacteria?. 2014 , 386, 209-217	10
543	Microbially mediated reduction of FeIII and AsV in Cambodian sediments amended with ¹³ C-labelled hexadecane and kerogen. 2014 , 11, 538	10
542	Planktonic Euryarchaeota are a significant source of archaeal tetraether lipids in the ocean. 2014 , 111, 9858-63	113
541	Nutrient availability and pH jointly constrain microbial extracellular enzyme activities in nutrient-poor tundra soils. 2014 , 383, 373-385	70
540	Soil Microbial Community Structure Evolution along Halophyte Succession in Bohai Bay Wetland. 2014 , 2014, 1-8	7
539	Aboveground and belowground legacies of native Sami land use on boreal forest in northern Sweden 100 years after abandonment. 2014 , 95, 963-77	42
538	In situ produced branched glycerol dialkyl glycerol tetraethers in suspended particulate matter from the Yenisei River, Eastern Siberia. 2014 , 125, 476-491	152
537	Indicators and trade-offs of ecosystem services in agricultural soils along a landscape heterogeneity gradient. 2014 , 77, 1-8	28

536	The influence of litter composition across the litter-soil interface on mass loss, nitrogen dynamics and the decomposer community. <i>Soil Biology and Biochemistry</i> , 2014 , 69, 71-82	7.5	26
535	The return of an experimentally N-saturated boreal forest to an N-limited state: observations on the soil microbial community structure, biotic N retention capacity and gross N mineralisation. 2014 , 381, 45-60		27
534	Impact of Populus trees on the composition of organic matter and the soil microbial community in Orthic Gray Luvisols in Saskatchewan (Canada). <i>Soil Biology and Biochemistry</i> , 2014 , 70, 5-11	7.5	23
533	Changes in Enzyme Activities and Microbial Community Structure in Heavy Metal-Contaminated Soil under in Situ Aided Phytostabilization. 2014 , 42, 1618-1625		21
532	Long-term resilience of above- and below ground ecosystem components among contrasting ecosystems. 2014 , 95, 1836-49		28
531	Critical assessment of glyco- and phospholipid separation by using silica chromatography. 2014 , 80, 360-5		27
530	Quantitative exploration of the contribution of settlement, growth, dispersal and grazing to the accumulation of natural marine biofilms on antifouling and fouling-release coatings. 2014 , 30, 223-36		14
529	Are plant-soil feedback responses explained by plant traits?. 2014 , 204, 408-23		95
528	Changes in Soil Biota Resulting from Growth of the Invasive Weed, <i>Ambrosia artemisiifolia</i> L. (Compositae), Enhance Its Success and Reduce Growth of Co-Occurring Plants. 2014 , 13, 1962-1971		11
527	Anaerobic metabolism of two hydro-morphological similar pre-dams under contrasting nutrient loading (Rappbode Reservoir System, Germany). 2014 , 99, 350-362		18
526	Loss of microbial diversity in soils is coincident with reductions in some specialized functions. 2014 , 16, 2408-20		164
525	Contribution of above- and below-ground plant traits to the structure and function of grassland soil microbial communities. 2014 , 114, 1011-21		103
524	Microbial distribution in an eroded landscape: Buried A horizons support abundant and unique communities. 2014 , 196, 94-102		32
523	Changes in soil microbial community composition in response to fertilization of paddy soils in subtropical China. 2014 , 84, 140-147		129
522	Impact of river channel shifts on tetraether lipids in the Rh^ Δne prodelta (NW Mediterranean): Implication for the BIT index as an indicator of palaeoflood events. 2014 , 75, 99-108		10
521	Differential temperature and pH controls on the abundance and composition of H-GDGTs in terrestrial hot springs. 2014 , 75, 109-121		11
520	Incorporation of urea-derived ¹³ C into microbial communities in four different agriculture soils. 2014 , 50, 603-612		14
519	Modification of Fatty acids in membranes of bacteria: implication for an adaptive mechanism to the toxicity of carbon nanotubes. 2014 , 48, 4086-95		64

518	Interactive biotic and abiotic regulators of soil carbon cycling: evidence from controlled climate experiments on peatland and boreal soils. 2014 , 20, 2971-82		48
517	Effects of the burrowing mud shrimp, <i>Upogebia yokoyai</i> , on carbon flow and microbial activity on a tidal flat. 2014 , 29, 493-499		10
516	Short-term utilization of carbon by the soil microbial community under future climatic conditions in a temperate heathland. <i>Soil Biology and Biochemistry</i> , 2014 , 68, 9-19	7.5	13
515	Long-term microbial retention of residue C is site-specific and depends on residue placement. <i>Soil Biology and Biochemistry</i> , 2014 , 68, 231-240	7.5	40
514	Deciphering microbial carbon substrates in PAH contaminated sediments using phospholipid fatty acids, and compound specific $\delta^{13}C$ and $\delta^{14}C$. 2014 , 69, 76-87		4
513	Soil moisture and soil-litter mixing effects on surface litter decomposition: A controlled environment assessment. <i>Soil Biology and Biochemistry</i> , 2014 , 72, 123-132	7.5	76
512	Above- and below-ground interactions with agricultural management: Effects of soil microbial communities on barley and aphids. 2014 , 57, 67-74		16
511	Biomarkers reveal the effects of hydrography on the sources and fate of marine and terrestrial organic matter in the western Irish Sea. 2014 , 136, 157-171		24
510	Bio-fouling of subsurface type drip emitters applying reclaimed water under medium soil thermal variation. 2014 , 133, 12-23		22
509	Rates of low-pH biological Fe(II) oxidation in the Appalachian Bituminous Coal Basin and the Iberian Pyrite Belt. 2014 , 47, 85-98		10
508	Changes in extracellular enzyme activity and microbial community structure with soil depth at the Luquillo Critical Zone Observatory. <i>Soil Biology and Biochemistry</i> , 2014 , 75, 237-247	7.5	174
507	Comparison of fertility and seasonal effects on grassland microbial communities. <i>Soil Biology and Biochemistry</i> , 2014 , 76, 80-89	7.5	42
506	A climatic chamber experiment to test the short term effect of increasing temperature on branched GDGT distribution in Sphagnum peat. 2014 , 73, 109-112		14
505	Interactions between leaf litter quality, particle size, and microbial community during the earliest stage of decay. 2014 , 117, 153-168		46
504	Characterization of Microbial Community in Daqu by PLFA Method. 2014 , 20, 147-154		5
503	Variation in vegetation and microbial linkages with slope aspect in a montane temperate hardwood forest. 2014 , 5, art66-art66		22
502	Local plant adaptation across a subarctic elevational gradient. 2014 , 1, 140141		11
501	The Microbial Ecology of Benthic Environments. 2015 , 4.2.1-1-4.2.1-20		3

500	Soil Enzyme Activities and Biodiversity Measurements as Integrative Microbiological Indicators. 2015 , 247-271	58
499	Nitrogen limitation of heterotrophic biofilms in boreal streams. 2015 , 60, 1237-1251	20
498	Microbial Indicators of Soil Quality. 2015 , 73-90	13
497	A laboratory experiment on the behaviour of soil-derived core and intact polar GDGTs in aquatic environments. 2015 , 12, 933-943	16
496	Tracing tetraether lipids from source to sink in the Rhône River system (NW Mediterranean). 2015 , 3,	3
495	Effect of monospecific and mixed sea-buckthorn (<i>Hippophae rhamnoides</i>) plantations on the structure and activity of soil microbial communities. 2015 , 10, e0117505	6
494	Litter Breakdown and Microbial Succession on Two Submerged Leaf Species in a Small Forested Stream. 2015 , 10, e0130801	18
493	Soil Microbial Biomass and Phospholipid Fatty Acids. 2015 , 331-348	1
492	Community structure and soil pH determine chemoautotrophic carbon dioxide fixation in drained paddy soils. 2015 , 49, 7152-60	41
491	Soil moisture and land use are major determinants of soil microbial community composition and biomass at a regional scale in northeastern China. 2015 , 12, 2585-2596	38
490	Phospholipid fatty acid profiling of microbial communities--a review of interpretations and recent applications. 2015 , 119, 1207-18	163
489	Comprehensive Analysis of Microbial Lipids in Environmental Samples Through HPLC-MS Protocols. 2015 , 289-317	11
488	Potential shifts in Canadian High Arctic sedimentary organic matter composition with permafrost active layer detachments. 2015 , 79, 1-13	12
487	Long chain glycolipids with pentose head groups as biomarkers for marine endosymbiotic heterocystous cyanobacteria. 2015 , 81, 1-7	14
486	Hydrocarbon contamination affects deep-sea benthic oxygen uptake and microbial community composition. 2015 , 100, 79-87	29
485	Effect of 25-year fertilization on soil microbial biomass and community structure in a continuous corn cropping system. 2015 , 61, 1303-1317	9
484	Soil microbial community response and recovery following group selection harvest: Temporal patterns from an experimental harvest in a US northern hardwood forest. 2015 , 340, 82-94	29
483	Impact of plant species evenness, dominant species identity and spatial arrangement on the structure and functioning of soil microbial communities in a model grassland. <i>Oecologia</i> , 2015 , 177, 747-759	25

482	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, 2895-909	57	34
481	Environmental factors and traits that drive plant litter decomposition do not determine home-field advantage effects. 2015 , 29, 981-991		56
480	Soil microbial response to experimental warming in cool temperate semi-natural grassland in Japan. 2015 , 30, 235-245		15
479	Anthropogenic nitrogen deposition enhances carbon sequestration in boreal soils. 2015 , 21, 3169-80		113
478	Soil conditioning and plant-soil feedbacks in a modified forest ecosystem are soil-context dependent. 2015 , 390, 183-194		7
477	Soil C:N ratio is the major determinant of soil microbial community structure in subtropical coniferous and broadleaf forest plantations. 2015 , 387, 103-116		137
476	Effects of silver sulfide nanomaterials on mycorrhizal colonization of tomato plants and soil microbial communities in biosolid-amended soil. 2015 , 206, 256-63		66
475	Distribution of ether lipids and composition of the archaeal community in terrestrial geothermal springs: impact of environmental variables. 2015 , 17, 1600-14		20
474	Co-extraction of DNA and PLFA from soil samples. 2015 , 115, 64-6		1
473	Soil microbial community resilience with tree thinning in a 40-year-old experimental ponderosa pine forest. 2015 , 93, 1-10		24
472	Occurrence and distribution of glycerol dialkanol diethers and glycerol dialkyl glycerol tetraethers in a peat core from SW Tanzania. 2015 , 83-84, 170-177		6
471	Winter effect on soil microorganisms under different tillage and phosphorus management practices in eastern Canada. 2015 , 61, 315-26		6
470	Fine-sediment dynamics: towards an improved understanding of sediment erosion and transport. 2015 , 15, 467-479		33
469	Soil microbial communities vary as much over time as with chronic warming and nitrogen additions. <i>Soil Biology and Biochemistry</i> , 2015 , 88, 19-24	7.5	53
468	Soil processes and tree growth at shooting ranges in a boreal forest reflect contamination history and lead-induced changes in soil food webs. <i>Science of the Total Environment</i> , 2015 , 518-519, 320-7	10.2	18
467	Source-age dynamics of estuarine particulate organic matter using fatty acid $\delta^{13}C$ and $\delta^{14}C$ composition. 2015 , 60, 611-628		14
466	Plant diversity increases soil microbial activity and soil carbon storage. 2015 , 6, 6707		575
465	Microbial phospholipid biomarkers and stable isotope methods help reveal soil functions. <i>Soil Biology and Biochemistry</i> , 2015 , 86, 98-107	7.5	39

464	Effects of Bioavailable Heavy Metal Species, Arsenic, and Acid Drainage from Mine Tailings on a Microbial Community Sampled Along a Pollution Gradient in a Freshwater Ecosystem. 2015 , 32, 724-750		17
463	Drastic changes in the distribution of branched tetraether lipids in suspended matter and sediments from the Yenisei River and Kara Sea (Siberia): Implications for the use of brGDGT-based proxies in coastal marine sediments. 2015 , 165, 200-225		53
462	Divergent responses of organic matter composition to incubation temperature. 2015 , 259-260, 279-287		2
461	Intrinsic bioremediation potential of a chronically polluted marine coastal area. 2015 , 99, 138-49		47
460	Microbial signature lipid biomarker analysis - an approach that is still preferred, even amid various method modifications. 2015 , 118, 1251-63		35
459	Nitrogen addition enhances home-field advantage during litter decomposition in subtropical forest plantations. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 188-196	7.5	27
458	Bioenergy driven land use change impacts on soil greenhouse gas regulation under Short Rotation Forestry. 2015 , 82, 40-48		13
457	Shifts in soil microbial community structure, nitrogen cycling and the concomitant declining N availability in ageing primary boreal forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2015 , 91, 200-211	7.5	33
456	Monthly dynamics of microbial community structure and their controlling factors in three floodplain soils. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 169-178	7.5	61
455	Long-term conditioning of soil by plantation eucalypts and pines does not affect growth of the native jarrah tree. 2015 , 338, 92-99		9
454	Long-term litter decay in Canadian forests and the influence of soil microbial community and soil chemistry. <i>Soil Biology and Biochemistry</i> , 2015 , 80, 251-259	7.5	8
453	Microbial community structure mediates response of soil C decomposition to litter addition and warming. <i>Soil Biology and Biochemistry</i> , 2015 , 80, 175-188	7.5	129
452	Coordination of aboveground and belowground responses to local-scale soil fertility differences between two contrasting Jamaican rain forest types. 2015 , 124, 285-297		14
451	Short-Term Belowground Responses to Thinning and Burning Treatments in Southwestern Ponderosa Pine Forests of the USA. 2016 , 7, 45		14
450	Spatial and seasonal contrasts of sedimentary organic matter in floodplain lakes of the central Amazon basin. 2016 , 13, 467-482		6
449	Ubiquitous production of branched glycerol dialkyl glycerol tetraethers (brGDGTs) in global marine environments: a new source indicator for brGDGTs. 2016 , 13, 5883-5894		37
448	Microbial Community Assessment in Wetlands for Water Pollution Control: Past, Present, and Future Outlook. 2016 , 8, 503		20
447	Influence of hydrophobic and electrostatic membrane surface properties on biofouling in a submerged membrane bioreactor under different filtration modes. 2016 , 57, 26641-26647		4

446	Above-ground and below-ground responses to long-term nutrient addition across a retrogressive chronosequence. 2016 , 104, 545-560		15
445	Impact of trophic state on the distribution of intact polar lipids in surface waters of lakes. 2016 , 61, 1065-1077		14
444	Elucidation and identification of amino acid containing membrane lipids using liquid chromatography/high-resolution mass spectrometry. 2016 , 30, 739-50		22
443	Responses of Stream Biofilm Phospholipid Fatty Acid Profiles to Acid Mine Drainage Impairment and Remediation. 2016 , 227, 1		5
442	Composition of microbial PLFAs and correlations with topsoil characteristics in the rare active travertine spring-fed fen. 2016 , 35, 295-308		2
441	Biochar Effects on Ecosystems. 2016 , 55-77		1
440	Development of microbial community structure in vegetable-growing soils from open-field to plastic-greenhouse cultivation based on the PLFA analysis. 2016 , 16, 2041-2049		19
439	Microbial utilization of rice straw and its derived biochar in a paddy soil. <i>Science of the Total Environment</i> , 2016 , 559, 15-23	10.2	49
438	Microbial utilization of rice root exudates: ¹³ C labeling and PLFA composition. 2016 , 52, 615-627		61
437	Microbial community structures and metabolic profiles response differently to physiochemical properties between three landfill cover soils. 2016 , 23, 15483-94		12
436	The spatial distribution of archaeal lipids in a mesoscale subtropical watershed, Southeast China. 2016 , 59, 1317-1328		5
435	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	7.5	38
434	Bioenergy cropping systems that incorporate native grasses stimulate growth of plant-associated soil microbes in the absence of nitrogen fertilization. 2016 , 233, 396-403		30
433	Changes in soil microbial community and activity in warm temperate forests invaded by moso bamboo (<i>Phyllostachys pubescens</i>). 2016 , 21, 235-243		6
432	Microbial lipid signatures and substrate potential of organic matter in permafrost deposits: Implications for future greenhouse gas production. 2016 , 121, 2652-2666		16
431	Can a metabolomics-based approach be used as alternative to analyse fatty acid methyl esters from soil microbial communities?. <i>Soil Biology and Biochemistry</i> , 2016 , 103, 417-428	7.5	9
430	Intact polar diacylglycerol biomarker lipids isolated from suspended particulate organic matter accumulating in an ultraoligotrophic water column. 2016 , 100, 29-41		14
429	Seasonal dynamics of the soil microbial community: assimilation of old and young carbon sources in a long-term field experiment as revealed by natural ¹³ C abundance. 2016 , 67, 79-89		14

428	Effects of tree species transition on soil microbial biomass and community structure in subtropical China. 2016 , 36, 417-423	3
427	Residual effects of paper mill biosolids and liming materials on soil microbial biomass and community structure. 2016 ,	1
426	Browsing by an invasive herbivore promotes development of plant and soil communities during primary succession. 2016 , 104, 1505-1517	27
425	Distribution of branched glycerol dialkyl glycerol tetraethers in soils on the Northeastern Qinghai-Tibetan Plateau and possible production by nitrite-reducing bacteria. 2016 , 59, 1834-1846	8
424	Soil profile dismantlement by land levelling and deep tillage damages soil functioning but not quality. 2016 , 107, 298-306	10
423	Plant biomass, soil microbial community structure and nitrogen cycling under different organic amendment regimes; a ¹⁵ N tracer-based approach. 2016 , 107, 251-260	41
422	Grassland to woodland transitions: Dynamic response of microbial community structure and carbon use patterns. 2016 , 121, 1675-1688	13
421	Characterization and Potential Applications of a Selenium Nanoparticle Producing and Nitrate Reducing Bacterium <i>Bacillus oryzae</i> sp. nov. 2016 , 6, 34054	25
420	Endophytic fungus <i>Phomopsis liquidambari</i> and different doses of N-fertilizer alter microbial community structure and function in rhizosphere of rice. 2016 , 6, 32270	23
419	Changes in microbial community composition in the leaf litter of successional communities after volcanic eruptions of Mount Usu, northern Japan. 2016 , 13, 1652-1662	4
418	Extraction and Analysis of Microbial Phospholipid Fatty Acids in Soils. 2016 ,	37
417	Carbon flows in eutrophic Lake Rotsee: a ¹³ C-labelling experiment. 2016 , 131, 147-162	3
416	Effects of Copper, Nickel, and Sulfate from the Smelters at Sudbury, Ontario (Canada) on Microbial Communities in Lakes. 2016 , 1-21	1
415	Effects of root decomposition on plant-soil feedback of early- and mid-successional plant species. 2016 , 212, 220-31	28
414	Responses of soil properties and crop yields to different inorganic and organic amendments in a Swiss conventional farming system. 2016 , 230, 116-126	78
413	Land-use and land-cover effects on soil microbial community abundance and composition in headwater riparian wetlands. <i>Soil Biology and Biochemistry</i> , 2016 , 97, 215-233	7.5 31
412	Effect of temperature and inoculation strategy on Cu recovery and microbial activity in column bioleaching. 2016 , 164, 189-201	7
411	Foraging at wastewater treatment works affects brown adipose tissue fatty acid profiles in banana bats. 2016 , 5, 92-9	7

410	Stimulation of Microbially Mediated Arsenic Release in Bangladesh Aquifers by Young Carbon Indicated by Radiocarbon Analysis of Sedimentary Bacterial Lipids. 2016 , 50, 7353-63		19
409	Arbuscular mycorrhizal hyphae promote priming of native soil organic matter mineralisation. 2016 , 408, 243-254		56
408	Do shifts in life strategies explain microbial community responses to increasing nitrogen in tundra soil?. <i>Soil Biology and Biochemistry</i> , 2016 , 96, 216-228	7.5	41
407	European scale analysis of phospholipid fatty acid composition of soils to establish operating ranges. 2016 , 97, 49-60		29
406	Incorporation of 13 C-labelled rice rhizodeposition into soil microbial communities under different fertilizer applications. 2016 , 101, 11-19		34
405	Effects of probiotics on soil microbial activity, biomass and enzymatic activity under cover crops in field and greenhouse studies. 2016 , 90, 811-827		9
404	Relative contribution of soil, management and traits to co-variations of multiple ecosystem properties in grasslands. <i>Oecologia</i> , 2016 , 180, 1001-13	2.9	13
403	Do mature hydrocarbons have an influence on acid rock drainage generation?. 2016 , 67, 93-100		2
402	Soil carbon characterization and nutrient ratios across land uses on two contrasting soils: Their relationships to microbial biomass and function. <i>Soil Biology and Biochemistry</i> , 2016 , 97, 50-62	7.5	28
401	Contrasting Responses of Soil Microbial and Nematode Communities to Warming and Plant Functional Group Removal Across a Post-fire Boreal Forest Successional Gradient. 2016 , 19, 339-355		38
400	Substrate limitation to soil microbial communities in a subalpine volcanic desert on Mount Fuji, Japan. 2016 , 73, 34-45		2
399	Succession of soil microbial communities and enzyme activities in artificial soils. 2016 , 59, 93-104		17
398	Response of the soil microbial community and soil nutrient bioavailability to biomass harvesting and reserve tree retention in northern Minnesota aspen-dominated forests. 2016 , 99, 110-117		9
397	Effects of plant cover on properties of rhizosphere and inter-plant soil in a semiarid valley, SW China. <i>Soil Biology and Biochemistry</i> , 2016 , 94, 1-9	7.5	18
396	Effect of rice straw application on microbial community and activity in paddy soil under different water status. 2016 , 23, 5941-8		24
395	Microbial Nonlinear Response to a Precipitation Gradient in the Northeastern Tibetan Plateau. 2016 , 33, 85-97		4
394	Composition and regulation of thylakoid membrane of Antarctic ice microalgae <i>Chlamydomonas</i> sp. ICE-L in response to low-temperature environment stress. 2017 , 97, 1241-1249		4
393	Microbial Biomass and Community Composition Involved in Cycling of Organic Phosphorus in Sediments of Lake Dianchi, Southwest China. 2017 , 34, 249-260		6

392	Fertilization alters microbial community composition and functional patterns by changing the chemical nature of soil organic carbon: A field study in a Halosol. 2017 , 292, 17-24		26
391	Elucidating carbon sources driving microbial metabolism during oil sands reclamation. 2017 , 188, 246-254		5
390	Microbial biomass in compost during colonization of <i>Agaricus bisporus</i> . 2017 , 7, 12		23
389	Effects of plant-symbiotic relationships on the living soil microbial community and microbial necromass in a long-term agro-ecosystem. <i>Science of the Total Environment</i> , 2017 , 581-582, 756-765	10.2	11
388	Microbial Communities and Associated Enzyme Activities in Alpine Wetlands with Increasing Altitude on the Tibetan Plateau. 2017 , 37, 401-412		9
387	Characterization of lignocellulosic compositions' degradation during chicken manure composting with added biochar by phospholipid fatty acid (PLFA) and correlation analysis. <i>Science of the Total Environment</i> , 2017 , 586, 1003-1011	10.2	40
386	Slow pyrolyzed biochars from crop residues for soil metal(loid) immobilization and microbial community abundance in contaminated agricultural soils. 2017 , 177, 157-166		37
385	Membrane Lipids as Indicators for Viable Bacterial Communities Inhabiting Petroleum Systems. 2017 , 74, 373-383		0
384	Winter ecology of a subalpine grassland: Effects of snow removal on soil respiration, microbial structure and function. <i>Science of the Total Environment</i> , 2017 , 590-591, 316-324	10.2	40
383	Comparison of fatty acid methyl ester methods for characterization of microbial communities in forest and arable soil: Phospholipid fraction (PLFA) versus total ester linked fatty acids (EL-FAME). 2017 , 63, 14-18		21
382	Seasonal changes in phosphorus competition and allelopathy of a benthic microbial assembly facilitate prevention of cyanobacterial blooms. 2017 , 19, 2483-2494		10
381	Hydrolysis of <i>Golenkinia</i> sp. biomass using Amberlyst 36 and nitric acid as catalysts. 2017 , 25, 32-38		7
380	Characterisation of bioavailability of Surat Basin Walloon coals for biogenic methane production using environmental microbial consortia. 2017 , 179, 92-112		28
379	Correlation between soil development and native plant growth in forest restoration after surface mining. 2017 , 106, 209-218		21
378	Growth phase significantly decreases the DHA-to-EPA ratio in marine microalgae. 2017 , 25, 577-587		27
377	Present and past microbial life in continental pan sediments and its response to climate variability in the southern Kalahari. 2017 , 108, 30-42		8
376	Nutrient leaching, soil pH and changes in microbial community increase with time in lead-contaminated boreal forest soil at a shooting range area. 2017 , 24, 5415-5425		5
375	Hydrocarbon and Lipid Microbiology Protocols. 2017 ,		2

374	Degradation and Microbial Uptake of C Fullerols in Contrasting Agricultural Soils. 2017 , 51, 1387-1394		17
373	Changes in the soil microbial phospholipid fatty acid profile with depth in three soil types of paddy fields in China. 2017 , 290, 69-74		34
372	Characterisation of Readily Bioavailable Compounds in Surat Basin Walloon Coals for Biomethane Production Using Exogenous Culture. 2017 ,		
371	Bacterial and Archaeal Lipids Recovered from Subsurface Evaporites of Dalangtan Playa on the Tibetan Plateau and Their Astrobiological Implications. 2017 , 17, 1112-1122		10
370	Soil fertility shapes belowground food webs across a regional climate gradient. 2017 , 20, 1273-1284		54
369	Indications that long-term nitrogen loading limits carbon resources for soil microbes. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 310-321	7.5	7
368	Incomplete recovery of intact polar glycerol dialkyl glycerol tetraethers from lacustrine suspended biomass. 2017 , 15, 782-793		10
367	Variations in soil microbial community composition and enzymatic activities in response to increased N deposition and precipitation in Inner Mongolian grassland. 2017 , 119, 275-285		23
366	Seasonal variability in phytoplankton stable carbon isotope ratios and bacterial carbon sources in a shallow Dutch lake. 2017 , 62, 2773-2787		14
365	Functional differences in the microbial processing of recent assimilates under two contrasting perennial bioenergy plantations. <i>Soil Biology and Biochemistry</i> , 2017 , 114, 248-262	7.5	10
364	Detecting the presence of fish farm-derived organic matter at the seafloor using stable isotope analysis of phospholipid fatty acids. 2017 , 7, 5146		5
363	Land use not litter quality is a stronger driver of decomposition in hyperdiverse tropical forest. 2017 , 7, 9307-9318		12
362	Microbial and nitrogen pool response to fuel treatments in Pinyon-Juniper woodlands of the southwestern USA. 2017 , 406, 138-146		2
361	Temporal dynamics of ultraviolet radiation impacts on litter decomposition in a semi-arid ecosystem. 2017 , 419, 71-81		18
360	Application of a microalgal slurry to soil stimulates heterotrophic activity and promotes bacterial growth. <i>Science of the Total Environment</i> , 2017 , 605-606, 610-617	10.2	25
359	Inhibition of PLD1 activity causes ER stress via regulation of COPII vesicle formation. 2017 , 490, 895-900		9
358	Nitrogen enrichment impacts on boreal litter decomposition are driven by changes in soil microbiota rather than litter quality. 2017 , 7, 4083		13
357	Size and composition of subseafloor microbial community in the Benguela upwelling area examined from intact membrane lipid and DNA analysis. 2017 , 111, 86-100		15

356	Long-term agricultural fertilization alters arbuscular mycorrhizal fungal community composition and barley (<i>Hordeum vulgare</i>) mycorrhizal carbon and phosphorus exchange. 2017 , 213, 874-885		73
355	Microbial carbon processing in oligotrophic Lake Lucerne (Switzerland): results of in situ ¹³ C-labelling studies. 2017 , 136, 131-149		3
354	8. Microbial nitrogen cycling processes at submarine hydrothermal vents. 2017 ,		1
353	Biofilm vs. Planktonic Lifestyle: Consequences for Pesticide 2,4-D Metabolism by JMP134. 2017 , 8, 904		24
352	Thermoplasmatales and Methanogens: Potential Association with the Crenarchaeol Production in Chinese Soils. 2017 , 8, 1200		2
351	Modified Lipid Extraction Methods for Deep Subsurface Shale. 2017 , 8, 1408		5
350	Positive effects of plant diversity on soil microbial biomass and activity are associated with more root biomass production. 2017 , 12, 533-541		9
349	Functional diversity of microbial communities in pristine aquifers inferred by PLFA- and sequencing-based approaches. 2017 , 14, 2697-2714		41
348	Roles of rhizospheric organic acids and microorganisms in mercury accumulation and translocation to different winter wheat cultivars. 2018 , 258, 104-112		11
347	Soil microbial succession along a chronosequence on a High Arctic glacier foreland, Ny-Ålesund, Svalbard: 10 years change. 2018 , 16, 59-67		14
346	Changes in soil microbial community structure and function after afforestation depend on species and age: Case study in a subtropical alluvial island. <i>Science of the Total Environment</i> , 2018 , 625, 1423-1432	10.2	46
345	Phosphate levels influence the utilisation of rice rhizodeposition carbon and the phosphate-solubilising microbial community in a paddy soil. <i>Soil Biology and Biochemistry</i> , 2018 , 118, 103-114	7.5	80
344	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , 2018 , 625, 147-154	10.2	57
343	Potential recycling of thaumarchaeotal lipids by DPANN Archaea in seasonally hypoxic surface marine sediments. 2018 , 119, 101-109		18
342	Soil microbial biomass, activity, and community composition as affected by dairy manure slurry applications in grassland production. 2018 , 125, 97-107		12
341	The brains of bats foraging at wastewater treatment works accumulate arsenic, and have low non-enzymatic antioxidant capacities. 2018 , 69, 232-241		6
340	Variability in carbon uptake and (re)cycling in Antarctic cryptoendolithic microbial ecosystems demonstrated through radiocarbon analysis of organic biomarkers. 2018 , 16, 62-79		9
339	Latitudinal patterns and influencing factors of soil humic carbon fractions from tropical to temperate forests. 2018 , 28, 15-30		9

338	Organic management and cover crop species steer soil microbial community structure and functionality along with soil organic matter properties. 2018 , 263, 7-17		69
337	Land use legacy regulates microbial community composition in transplanted Chernozems. 2018 , 129, 13-23		7
336	Microbial Community Responses to Modern Environmental and Past Climatic Conditions in Omongwa Pan, Western Kalahari: A Paired 16S rRNA Gene Profiling and Lipid Biomarker Approach. 2018 , 123, 1333-1351		7
335	The root of the matter: Linking root traits and soil organic matter stabilization processes. <i>Soil Biology and Biochemistry</i> , 2018 , 120, 246-259	7.5	96
334	Lipid-extracted algal biomass based biocomposites fabrication with poly(vinyl alcohol). 2018 , 31, 525-533		22
333	Carbon Utilization and Fatty Acid Profiles For Characterization of Bacteria. 2018 , 543-556		6
332	Soil microbial communities changed with a continuously monocropped processing tomato system. 2018 , 68, 149-160		1
331	Organic matter quality structures benthic fatty acid patterns and the abundance of fungi and bacteria in temperate lakes. <i>Science of the Total Environment</i> , 2018 , 610-611, 469-481	10.2	13
330	Phosphorus cycling in marine sediments: Advances and challenges. 2018 , 477, 1-11		20
329	Supraglacial microbes use young carbon and not aged cryoconite carbon. 2018 , 118, 63-72		7
328	Environmental factors shaping the archaeal community structure and ether lipid distribution in a subtropic river and estuary, China. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 461-474	5.7	6
327	Ongoing biodegradation of Deepwater Horizon oil in beach sands: Insights from tracing petroleum carbon into microbial biomass. 2018 , 126, 130-136		8
326	Dynamics of microbial biomass and community composition after short-term water status change in Chinese paddy soils. 2018 , 25, 2932-2941		9
325	Effects of plant coverage on shrub fertile islands in the Upper Minjiang River Valley. 2018 , 61, 340-347		7
324	Microbiota: The Living Foundation. 2018 , 43-61		0
323	Effect of Soil Layer and PlantSoil Interaction on Soil Microbial Diversity and Function after Canopy Gap Disturbance. 2018 , 9, 680		6
322	Modulation of Litter Decomposition by the Soil Microbial Food Web Under Influence of Land Use Change. 2018 , 9, 2860		7
321	Intact polar glycosidic GDGTs in sediments settle from water column as evidenced from downcore sediment records. 2018 , 501, 12-18		6

320	Local Functioning, Landscape Structuring: Drivers of Soil Microbial Community Structure and Function in Peatlands. 2018 , 9, 2060		2
319	The Various Roles of Fatty Acids. 2018 , 23,		159
318	Impacts of long-term fertilization on the soil microbial communities in double-cropped paddy fields. 2018 , 156, 857-864		3
317	Importance of AM fungi and local adaptation in plant response to environmental change: Field evidence at contrasting elevations. 2018 , 34, 59-66		5
316	Nutrient optimization of tree growth alters structure and function of boreal soil food webs. 2018 , 428, 46-56		5
315	Evaluating in situ biodegradation of C-labelled naphthenic acids in groundwater near oil sands tailings ponds. <i>Science of the Total Environment</i> , 2018 , 643, 392-399	10.2	20
314	Substrate potential of last interglacial to Holocene permafrost organic matter for future microbial greenhouse gas production. 2018 , 15, 1969-1985		13
313	Control of Interfacial Cl and NO Reactivity by a Zwitterionic Phospholipid in Comparison with Ionic and Uncharged Surfactants. 2018 , 122, 6593-6604		5
312	Clay Flocculation Effect on Microbial Community Composition in Water and Sediment. 2018 , 6,		4
311	Environmental Control on Microbial Turnover of Leaf Carbon in Streams - Ecological Function of Phototrophic-Heterotrophic Interactions. 2018 , 9, 1044		8
310	Long-term effects of organic amendments on bacterial and fungal communities in a degraded Mediterranean soil. 2018 , 332, 20-28		28
309	Changes in soil microbial community structure in relation to plant succession and soil properties during 4000 years of pedogenesis. 2018 , 88, 80-88		13
308	Microbial ecology of two hot springs of Sikkim: Predominate population and geochemistry. <i>Science of the Total Environment</i> , 2018 , 637-638, 730-745	10.2	32
307	Analysis of soil microbial dynamics at a cropland-grassland interface in an agro-pastoral zone in a temperate steppe in northern China. 2018 , 170, 257-265		7
306	Effects of artificial warming on different soil organic carbon and nitrogen pools in a subtropical plantation. <i>Soil Biology and Biochemistry</i> , 2018 , 124, 161-167	7.5	22
305	The Legacy Effects of Winter Climate on Microbial Functioning After Snowmelt in a Subarctic Tundra. 2019 , 77, 186-190		5
304	Management versus site effects on the abundance of nitrifiers and denitrifiers in European mountain grasslands. <i>Science of the Total Environment</i> , 2019 , 648, 745-753	10.2	12
303	Disentangling Effects of Time Since Fire, Overstory Composition and Organic Layer Thickness on Nutrient Availability in Canadian Boreal Forest. 2019 , 22, 33-48		7

302	Stable Isotope Probing of Microbial Phospholipid Fatty Acids in Environmental Samples. 2019 , 2046, 45-55		1
301	Production of branched tetraethers in the marine realm: Svalbard fjord sediments revisited. 2019 , 138, 103907		10
300	Phosphorus addition accelerates fine root decomposition by stimulating extracellular enzyme activity in a subtropical natural evergreen broad-leaved forest. 2019 , 138, 917-928		4
299	Phospholipids as Life Markers in Geological Habitats. 2019 , 1-29		2
298	Pedospheric environmental forensics aspects. 2019 , 39-59		2
297	Phyllosilicates as protective habitats of filamentous cyanobacteria <i>Leptolyngbya</i> against ultraviolet radiation. 2019 , 14, e0219616		2
296	Non-target Effects of Naphthalene on the Soil Microbial Biomass and Bacterial Communities in the Subalpine Forests of Western China. 2019 , 9, 9811		2
295	Lipid Biomarkers in Geomicrobiology: Analytical Techniques and Applications. 2019 , 341-359		
294	Long term effects of intensive biomass harvesting and compaction on the forest soil ecosystem. <i>Soil Biology and Biochemistry</i> , 2019 , 137, 107572	7.5	2
293	Potentials and limitations of quantification of fungi in freshwater environments based on PLFA profiles. 2019 , 41, 256-268		5
292	Soil organic matter decomposition and carbon sequestration in temperate coniferous forest soils affected by soluble and insoluble spruce needle fractions. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107595	7.5	9
291	Plant identity control on soil food web structure and C transfers under perennial bioenergy plantations. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107603	7.5	7
290	Assessing the carbon assimilation and production of benthic archaeal lipid biomarkers using lipid-RIP. 2019 , 265, 431-442		7
289	Polarity of chloroform eluent critical to quantification of arbuscular mycorrhizal biomass in soil using the neutral lipid fatty acid biomarker C16:1cis11. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107582	7.5	4
288	Microbial lipid biomarkers detected in deep subsurface black shales. 2019 , 21, 291-307		2
287	Effect of Soybean and Maize Rotation on Soil Microbial Community Structure. 2019 , 9, 42		9
286	Understanding the Environmental Impact of a Mine Dam Rupture in Brazil: Prospects for Remediation. 2019 , 48, 439-449		19
285	High turnover rate of free phospholipids in soil confirms the classic hypothesis of PLFA methodology. <i>Soil Biology and Biochemistry</i> , 2019 , 135, 323-330	7.5	39

284	Simultaneous total analysis of core and polar membrane lipids in archaea by high-performance liquid chromatography/high-resolution mass spectrometry coupled with heated electrospray ionization. 2019 , 33, 1571-1577		3
283	Anthropogenic nitrogen enrichment enhances soil carbon accumulation by impacting saprotrophs rather than ectomycorrhizal fungal activity. 2019 , 25, 2900-2914		28
282	Diverse biological sources of core and intact polar isoprenoid GDGTs in terrace soils from southwest of China: Implications for their use as environmental proxies. 2019 , 522, 108-120		4
281	Grassland biodiversity restoration increases resistance of carbon fluxes to drought. 2019 , 56, 1806-1816		12
280	Phospholipid Fatty Acid Profiles of Soils under Variable Handling and Storage Conditions. 2019 , 111, 1090-1096		17
279	Isolation of Individual Saturated Fatty Acid Methyl Esters Derived From Groundwater Phospholipids by Preparative High-Pressure Liquid Chromatography for Compound-Specific Radiocarbon Analyses. 2019 , 55, 2521-2531		2
278	Relationships between plant traits, soil properties and carbon fluxes differ between monocultures and mixed communities in temperate grassland. 2019 , 107, 1704-1719		30
277	Soil Macroinvertebrate Presence Alters Microbial Community Composition and Activity in the Rhizosphere. 2019 , 10, 256		17
276	Effect of organic matter manipulation on the seasonal variations in microbial composition and enzyme activities in a subtropical forest of China. 2019 , 19, 2231-2239		5
275	Improving the Accuracy of Flow Cytometric Quantification of Microbial Populations in Sediments: Importance of Cell Staining Procedures. 2019 , 10, 720		8
274	Mobilization of mercury species under dynamic laboratory redox conditions in a contaminated floodplain soil as affected by biochar and sugar beet factory lime. <i>Science of the Total Environment</i> , 2019 , 672, 604-617	10.2	18
273	Archaeal Sources of Intact Membrane Lipid Biomarkers in the Oxygen Deficient Zone of the Eastern Tropical South Pacific. 2019 , 10, 765		14
272	Impact of biochar on mobilization, methylation, and ethylation of mercury under dynamic redox conditions in a contaminated floodplain soil. 2019 , 127, 276-290		54
271	Understory ferns alter soil carbon chemistry and increase carbon storage during reforestation with native pine on previously degraded sites. <i>Soil Biology and Biochemistry</i> , 2019 , 132, 80-92	7.5	10
270	Dynamics of soil microbial communities following vegetation succession in a karst mountain ecosystem, Southwest China. 2019 , 9, 2160		25
269	Warming affects predatory faunal impacts upon microbial carbon cycling. 2019 , 33, 924-935		3
268	Bioconjugated Quantum Dots in Rapid Detection of Water Microbial Load: An Emerging Technology. 2019 , 25-38		
267	Unexpected role of canonical aerobic methanotrophs in upland agricultural soils. <i>Soil Biology and Biochemistry</i> , 2019 , 131, 1-8	7.5	26

266	Combined extraction method for metabolomic and PLFA analysis of soil. 2019 , 135, 129-136		9
265	Phylogenetic relationships and effectiveness of four <i>Beauveria bassiana</i> sensu lato strains for control of <i>Haemaphysalis longicornis</i> (Acari: Ixodidae). 2019 , 77, 83-92		10
264	Rapid response of fossil tetraether lipids in lake sediments to seasonal environmental variables in a shallow lake in central China: Implications for the use of tetraether-based proxies. 2019 , 128, 108-121		16
263	C-Free Carbon Is a Major Contributor to Cellular Biomass in Geochemically Distinct Groundwater of Shallow Sedimentary Bedrock Aquifers. 2019 , 55, 2104-2121		12
262	The ratio of Gram-positive to Gram-negative bacterial PLFA markers as an indicator of carbon availability in organic soils. <i>Soil Biology and Biochemistry</i> , 2019 , 128, 111-114	7.5	122
261	Does silica solid-phase extraction of soil lipids isolate a pure phospholipid fraction?. <i>Soil Biology and Biochemistry</i> , 2019 , 128, 175-178	7.5	8
260	Linkages between aboveground and belowground community compositions in grasslands along a historical land-use intensity gradient. 2019 , 434, 289-304		7
259	Soil hydraulic properties as the main driver in the establishment of biomass crops in contaminated soils. 2019 , 233, 812-822		6
258	Comparison of Soil Organic Matter Transformation Processes in Different Alpine Ecosystems in the Qinghai-Tibet Plateau. 2019 , 124, 33-45		8
257	Carbon isotope fractionation including photosynthetic and post-photosynthetic processes in C3 plants: Low [CO ₂] matters. 2019 , 245, 1-15		10
256	A combined lipidomic and 16S rRNA gene amplicon sequencing approach reveals archaeal sources of intact polar lipids in the stratified Black Sea water column. 2019 , 17, 91-109		35
255	Do biological legacies moderate the effects of forest harvesting on soil microbial community composition and soil respiration. 2019 , 432, 298-308		9
254	Soil microbial biomass, activity and community structure as affected by mineral phosphorus fertilization in grasslands. 2020 , 146, 103391		12
253	Size-Fractionated Contribution of Microbial Biomass to Suspended Organic Matter in the Eastern Tropical South Pacific Oxygen Minimum Zone. 2020 , 7,		7
252	Trade-offs in greenhouse gas emissions across a liming-induced gradient of soil pH: Role of microbial structure and functioning. <i>Soil Biology and Biochemistry</i> , 2020 , 150, 108006	7.5	10
251	Phospholipids as Life Markers in Geological Habitats. 2020 , 445-473		
250	Influences of litter diversity and soil moisture on soil microbial communities in decomposing mixed litter of alpine steppe species. 2020 , 377, 114577		10
249	Microbial Signatures in Deep CO ₂ -Saturated Miocene Sediments of the Active Hartouřev Mofette System (NW Czech Republic). 2020 , 11, 543260		0

248	Carbon and nitrogen cycling in Yedoma permafrost controlled by microbial functional limitations. 2020 , 13, 794-798	8
247	Effects of Elevated CO ₂ on Tomato (<i>Lycopersicon esculentum</i> Mill.) Growth and Rhizosphere Soil Microbial Community Structure and Functionality. 2020 , 10, 1752	5
246	Effects of a Δ^9 -fatty acid desaturase and a cyclopropane-fatty acid synthase from the novel psychrophile <i>Pseudomonas</i> sp. B14-6 on bacterial membrane properties. 2020 , 47, 1045-1057	6
245	Links between microbial biomass and necromass components in the top- and subsoils of temperate grasslands along an aridity gradient. 2020 , 379, 114623	6
244	Decline in the contribution of microbial residues to soil organic carbon along a subtropical elevation gradient. <i>Science of the Total Environment</i> , 2020 , 749, 141583	10.2 9
243	Effects of lactic acid on modulating the ammonia emissions in co-composts of poultry litter with slaughter sludge. 2020 , 315, 123812	11
242	Soil Microbial Community and Litter Quality Controls on Decomposition Across a Tropical Forest Disturbance Gradient. 2020 , 3,	4
241	Organic biogeochemistry in the oxygen-deficient ocean: A review. 2020 , 149, 104096	9
240	Chemical fractionation of organic matter and organic phosphorus extractions from freshwater lake sediment. 2020 , 1130, 29-38	7
239	Naphthalene exerts non-target effects on the abundance of active fungi by stimulating basidiomycete abundance. 2020 , 17, 2001-2010	0
238	Microbial community distribution in variously altered basalts: Insights into astrobiology sample site selection. 2020 , 194, 105107	2
237	Soil microbial community responses to nitrogen application in organic and conventional rice production. 2020 , 84, 1885-1897	1
236	Evidence of rapid non-targeted effects of cycloheximide on soil bacteria using ¹³ C-PLFA analysis. 2020 , 100, 356-362	0
235	Microbial Diversity of Soil Ecosystems. 2020 , 89-113	
234	The addition of organic carbon and nitrogen accelerates the restoration of soil system of degraded alpine grassland in Qinghai-Tibet Plateau. 2020 , 158, 106084	5
233	Composite effects of temperature increase and snow cover change on litter decomposition and microbial community in cool-temperate grassland. 2020 , 67, 315	0
232	Moderate disturbance increases the PLFA diversity and biomass of the microbial community in biocrusts in the Loess Plateau region of China. 2020 , 451, 499-513	6
231	Biosignatures Associated with Freshwater Microbialites. 2020 , 10,	1

230	Intact Ether Lipids in Trench Sediments Related to Archaeal Community and Environmental Conditions in the Deepest Ocean. 2020 , 125, e2019JG005431	3
229	¹³ C analysis of fatty acid fragments by gas chromatography mass spectrometry for metabolic flux analysis. 2020 , 284, 92-106	5
228	Marine Group II Euryarchaeota Contribute to the Archaeal Lipid Pool in Northwestern Pacific Ocean Surface Waters. 2020 , 11, 1034	11
227	Dynamics of fungal and bacterial groups and their carbon sources during the growing season of maize in a long-term experiment. 2020 , 56, 759-770	10
226	Particulate Organic Carbon Deconstructed: Molecular and Chemical Composition of Particulate Organic Carbon in the Ocean. 2020 , 7,	24
225	Effects of temperature and pH on archaeal membrane lipid distributions in freshwater wetlands. 2020 , 148, 104080	4
224	Using golden apple snail to mitigate its invasion and improve soil quality: a biocontrol approach. 2020 , 27, 14903-14914	1
223	Thistle crops in marginal lands after compost addition: Plant biomass and effect on soil physical, chemical and biological properties. 2020 , 31, 1167-1175	4
222	Multilevel Nitrogen Additions Alter Chemical Composition and Turnover of the Labile Fraction Soil Organic Matter via Effects on Vegetation and Microorganisms. 2020 , 125, e2019JG005316	2
221	Endolithic Microbial Carbon Cycling in East Antarctica. 2021 , 21, 165-176	2
220	Fungal community structure and function shifts with atmospheric nitrogen deposition. 2021 , 27, 1349-1364	22
219	Soil physicochemical and biological profiles as indicators for Araucaria forest disturbance levels. 2021 , 158, 103794	1
218	Forest fire induces short-term shifts in soil food webs with consequences for carbon cycling. 2021 , 24, 438-450	12
217	Excessive nitrogen addition accelerates N assimilation and P utilization by enhancing organic carbon decomposition in a Tibetan alpine steppe. <i>Science of the Total Environment</i> , 2021 , 764, 142848	10.2 10
216	Methods for studying the forest tree microbiome. 2021 , 35-58	1
215	Dispersed Variable-Retention Harvesting Mitigates N Losses on Harvested Sites in Conjunction With Changes in Soil Microbial Community Structure. 2021 , 3,	1
214	Trimethylornithine Membrane Lipids: Discovered in Planctomycetes and Identified in Diverse Environments. 2021 , 11,	1
213	Insect reproductive behaviors are important mediators of carrion nutrient release into soil. 2021 , 11, 3616	2

212	Soil organic carbon is not just for soil scientists: measurement recommendations for diverse practitioners. 2021 , 31, e02290	7
211	Interactions between cover crops and soil microorganisms increase phosphorus availability in conservation agriculture. 2021 , 463, 307-328	12
210	Methylation procedures affect PLFA results more than selected extraction parameters. 2021 , 182, 106164	1
209	Spatial and Temporal Distribution of Soil Microbial Properties in Two Shrub Intercrop Systems of the Sahel. 2021 , 5,	0
208	Effects of transgenic oilseed rape harboring the Cry1Ac gene on microbial communities in the rhizosphere soil. 2021 , 103, 103277	1
207	Characteristic analysis of phospholipid fatty acids (PLFAs) in typical nutrient polluted lake sediment in Wuhan. 2021 , 36, 221-228	4
206	Understanding Marsh Dynamics. 2021 , 300-334	
205	Flood Pulse Irrigation of Meadows Shapes Soil Chemical and Microbial Parameters More Than Mineral Fertilization. 2021 , 5, 24	3
204	Identifying marine and freshwater overprints on soil-derived branched GDGT temperature signals in Pliocene Mississippi and Amazon River fan sediments. 2021 , 154, 104200	3
203	Multi-year soil microbial and extracellular phosphorus enzyme response to lime and phosphate addition in temperate hardwood forests. 2021 , 464, 391	3
202	Marsh Dynamics. 2021 , 155-334	
201	Spatially-distributed microbial enzyme activities at intact, coated macropore surfaces in Luvisol Bt-horizons. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108193	7.5 1
200	Microbial Hotspots in Lithic Microhabitats Inferred from DNA Fractionation and Metagenomics in the Atacama Desert. 2021 , 9,	5
199	Land-use drives the temporal stability and magnitude of soil microbial functions and modulates climate effects. 2021 , 31, e02325	4
198	Invasive plant <i>Reynoutria japonica</i> produces large amounts of phenolic compounds and reduces the biomass but not activity of soil microbial communities. <i>Science of the Total Environment</i> , 2021 , 767, 145439-2	10.2 10
197	Microbial assembly and association network in watermelon rhizosphere after soil fumigation for <i>Fusarium</i> wilt control. 2021 , 312, 107336	9
196	Rehabilitation of a Riparian Site Contaminated by Tailings from the Fund^ ã Dam, Brazil, Using Different Remediation Strategies. 2021 , 40, 2359-2373	3
195	Interactions between below-ground traits and rhizosheath fungal and bacterial communities for phosphorus acquisition. 2021 , 35, 1603-1619	3

194	Fifteen shades of clay: distinct microbial community profiles obtained from bentonite samples by cultivation and direct nucleic acid extraction.	
193	Linkage of aggregate formation, aggregate-associated C distribution, and microorganisms in two different-textured ultisols: A short-term incubation experiment. 2021 , 394, 114979	0
192	Lipidomics of Environmental Microbial Communities. I: Visualization of Component Distributions Using Untargeted Analysis of High-Resolution Mass Spectrometry Data. 2021 , 12, 659302	6
191	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. 2021 , 12, 4431	5
190	PLFA and EL-FAME Indicators of Microbial Community Composition. 2021 , 251-288	
189	Long-term effects of contrasting tillage systems on soil C and N pools and on main microbial groups differ by crop sequence. 2021 , 211, 104995	5
188	FLEXIBLE SOIL MICROBIAL CARBON METABOLISM ACROSS AN ASIAN ELEVATION GRADIENT. 1-17	
187	Planktonic Archaeal Ether Lipid Origins in Surface Waters of the North Pacific Subtropical Gyre. 2021 , 12, 610675	2
186	Effects of N addition and clipping on above and belowground plant biomass, soil microbial community structure, and function in an alpine meadow on the Qinghai-Tibetan Plateau. 2021 , 106, 103344	2
185	Phospholipid fatty acid (PLFA) analysis as a tool to estimate absolute abundances from compositional 16S rRNA bacterial metabarcoding data. 2021 , 188, 106271	5
184	Interactions between invertebrate and microbial communities in decomposing camphor and Masson pine litter varied with seasonal rainfall. 2022 , 169, 104231	
183	Contribution of root traits to variations in soil microbial biomass and community composition. 2021 , 460, 483-495	4
182	Zooplankton carcasses stimulate microbial turnover of allochthonous particulate organic matter. 2021 , 15, 1735-1750	2
181	Archaea: Detection Methods.	1
180	Atlantic Coastal Plain Aquifers and Other Unconsolidated Subsurface Sediments: Microbiological Aspects.	1
179	Relating Ground Water and Sediment Chemistry to Microbial Characterization at a BTEX-Contaminated Site. 1997 , 775-788	1
178	Effects of Surface Composition, Water Column Chemistry, and Time of Exposure on the Composition of the Detrital Microflora and Associated Macrofauna in Apalachicola Bay, Florida. 1979 , 83-116	4
177	Use of Lipid Biomarkers in Environmental Samples. 1990 , 259-274	14

176	Comparison of Biolog and Phospholipid Fatty Acid Patterns to Detect Changes in Microbial Community. 1997 , 37-48	3
175	Chemical Characterization of Films. 1984 , 159-176	8
174	The Microbiology of Natural Soils. 2010 , 27-57	6
173	The effects of nutrient limitation and stream discharge on the epilithic microbial community in an oligotrophic Arctic stream. 1989 , 19-26	4
172	The functional significance of the microbial biomass in organic and conventionally managed soils. 1995 , 87-97	3
171	Control mechanisms of arctic lake ecosystems: a limnocorral experiment. 1992 , 143-188	2
170	A Global Perspective on the Microbial Abundance and Activity in the Deep Subsurface. 1999 , 487-500	16
169	Molecular Approaches to Microbial Biomass Estimation in the Sea. 1998 , 29-89	10
168	Changes in the digestive gland of <i>Euphausia superba</i> during short-term starvation: lipid class, fatty acid and sterol content and composition. 1993 , 117, 441-448	31
167	Habitat characteristics mediated partitioning of economically important bivalves in a tropical monsoon-influenced estuary. 2020 , 27, 29303-29326	1
166	C15, C20, and C25 isoprenoid homologues in glycerol diether phospholipids of methanogenic archaeobacteria.. 1985 , 26, 1120-1125	36
165	Extractable and lipopolysaccharide fatty acid and hydroxy acid profiles from <i>Desulfovibrio</i> species.. 1985 , 26, 982-988	143
164	Continental-scale patterns of extracellular enzyme activity in the subsoil: an overlooked reservoir of microbial activity. 2020 , 15, 1040a1	9
163	Fatty acid adaptation in an Antarctic bacterium - changes in primer utilization. 1996 , 142, 747-754	20
162	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. 2007 , 070621084512030-???	1
161	Suppression of <i>Pythium ultimum</i> by Biowaste Composts in Relation to Compost Microbial Biomass, Activity and Content of Phenolic Compounds. 1999 , 147, 299-305	59
160	Lipid Analyses for Viable Microbial Biomass, Community Composition, Metabolic Status, and In Situ Metabolism. 2007 , 112-125	2
159	Fluorometric determination of adenosine nucleotide derivatives as measures of the microfouling, detrital, and sedimentary microbial biomass and physiological status. 1980 , 40, 539-48	43

158	Effects of grazing by estuarine gammaridean amphipods on the microbiota of allochthonous detritus. 1980 , 40, 659-71	55
157	Effect of silicate grain shape, structure, and location on the biomass and community structure of colonizing marine microbiota. 1981 , 41, 1262-8	26
156	Estimations of uronic acids as quantitative measures of extracellular and cell wall polysaccharide polymers from environmental samples. 1982 , 43, 1151-9	83
155	Preservation of estuarine sediments for lipid analysis of biomass and community structure of microbiota. 1982 , 44, 1166-9	23
154	Sensitive assay, based on hydroxy fatty acids from lipopolysaccharide lipid A, for Gram-negative bacteria in sediments. 1982 , 44, 1170-7	96
153	Spatial distribution of biochemical parameters indicating biomass and community composition of microbial assemblies in estuarine mud flat sediments. 1983 , 45, 58-63	43
152	Relationship Between Physiological Status and Formation of Extracellular Polysaccharide Glycocalyx in <i>Pseudomonas atlantica</i> . 1983 , 45, 64-70	98
151	Polymeric Beta-Hydroxyalkanoates from Environmental Samples and <i>Bacillus megaterium</i> . 1983 , 45, 71-8	203
150	Effects of environmental toxicants on metabolic activity of natural microbial communities. 1983 , 46, 970-7	33
149	Biokinetic analyses of adaptation and succession: microbial activity in composting municipal sewage sludge. 1984 , 47, 933-41	80
148	Bacterial biomass, metabolic state, and activity in stream sediments: relation to environmental variables and multiple assay comparisons. 1985 , 50, 508-22	95
147	Examination of thermophilic methane-producing digesters by analysis of bacterial lipids. 1985 , 50, 1428-33	24
146	Biomass of the cryptoendolithic microbiota from the Antarctic desert. 1988 , 54, 957-9	30
145	Carbon metabolism of the cryptoendolithic microbiota from the Antarctic desert. 1988 , 54, 960-5	48
144	Plugging of a model rock system by using starved bacteria. 1988 , 54, 1365-72	124
143	Microbial biomass, activity, and community structure of water and particulates retrieved by backflow from a waterflood injection well. 1988 , 54, 1383-93	14
142	Phospholipid Fatty Acid Composition of the Syntrophic Anaerobic Bacterium <i>Syntrophomonas wolfei</i> . 1988 , 54, 1570-4	13
141	Efficacy of phospholipid analysis in determining microbial biomass in sediments. 1989 , 55, 2888-93	281

140	Effects of Organic Acid Anions on the Growth and Metabolism of <i>Syntrophomonas wolfei</i> in Pure Culture and in Defined Consortia. 1989 , 55, 977-83	42
139	Characterization of bacteria that suppress rhizoctonia damping-off in bark compost media by analysis of Fatty Acid biomarkers. 1989 , 55, 1368-74	160
138	Biomass and Biological Activity during the Production of Compost Used as a Substrate in Mushroom Cultivation. 1990 , 56, 3029-34	35
137	Indigenous and enhanced mineralization of pyrene, benzo[a]pyrene, and carbazole in soils. 1991 , 57, 3462-9	205
136	Laboratory Study of Chemical Speciation of Mercury in Lake Sediment and Water under Aerobic and Anaerobic Conditions. 1991 , 57, 789-95	36
135	Analysis of free amino acids in microbially colonized sandstone by precolumn phenyl isothiocyanate derivatization and high-performance liquid chromatography. 1991 , 57, 879-81	15
134	Survival of <i>Aeromonas salmonicida</i> in lake water. 1991 , 57, 1777-82	55
133	Biodegradation of organic compounds in vadose zone and aquifer sediments. 1991 , 57, 2260-8	83
132	Photosynthetic carbon incorporation and turnover in antarctic cryptoendolithic microbial communities: are they the slowest-growing communities on Earth?. 1991 , 57, 2308-11	71
131	Variation in microbial biomass and community structure in sediments of eutrophic bays as determined by phospholipid ester-linked Fatty acids. 1992 , 58, 562-71	72
130	Mineralization of glucose and lignocellulose by four arctic freshwater sediments in response to nutrient enrichment. 1992 , 58, 1554-63	10
129	Isolation and characterization of an N-methylcarbamate insecticide-degrading methylotrophic bacterium. 1993 , 59, 3339-49	42
128	Characterization of microbial community structure in the surface sediment of osaka bay, Japan, by phospholipid Fatty Acid analysis. 1994 , 60, 248-57	50
127	Aerobic mineralization of trichloroethylene, vinyl chloride, and aromatic compounds by rhodococcus species. 1994 , 60, 542-8	83
126	Changes in Ester-Linked Phospholipid Fatty Acid Profiles of Subsurface Bacteria during Starvation and Desiccation in a Porous Medium. 1994 , 60, 3292-9	203
125	Identification of methanotrophic lipid biomarkers in cold-seep mussel gills: chemical and isotopic analysis. 1995 , 61, 576-82	67
124	Cross-Polarized Magic-Angle Spinning (sup13)C Nuclear Magnetic Resonance Spectroscopic Characterization of Soil Organic Matter Relative to Culturable Bacterial Species Composition and Sustained Biological Control of Pythium Root Rot. 1997 , 63, 162-8	80
123	Emission of Climate-Relevant Trace Gases and Succession of Microbial Communities during Open-Windrow Composting. 1997 , 63, 1011-8	176

122	Variation in microbial community structure in two boreal peatlands as determined by analysis of phospholipid Fatty Acid profiles. 1997 , 63, 1476-82	126
121	Use of phospholipid fatty acids and carbon source utilization patterns To track microbial community succession in developing compost. 1998 , 64, 4062-4	68
120	Counting and Imaging Bacteria on Mineral Surfaces. 37-77	7
119	Metal-macrofauna interactions determine microbial community structure and function in copper contaminated sediments. 2013 , 8, e64940	25
118	Occurrence of Priming in the Degradation of Lignocellulose in Marine Sediments. 2015 , 10, e0143917	18
117	Soil microbial communities and enzyme activities in sea-buckthorn (<i>Hippophae rhamnoides</i>) plantation at different ages. 2018 , 13, e0190959	23
116	Talajmikrobiol [^] g [^] iai param [^] terek v [^] ltoz [^] Ba sz [^] t [^] K [^] ht [^] s [^] r [^] tk [^] ht hasznos [^] t [^] ti szolonyec talajokban. 2019 , 68, 155-175	1
115	Short-term Changes in Sedimentary Microbial Communities from Coastal Aquaculture Areas. 1999 , 65, 57-62	4
114	Fatty acid composition as biomarkers of freshwater microalgae: analysis of 37 strains of microalgae in 22 genera and in seven classes. 2013 , 71, 165-178	172
113	Processing of ¹³ C-labelled diatoms by a bathyal community at sub-zero temperatures. 2011 , 421, 39-50	17
112	Short-term processing of ice algal- and phytoplankton-derived carbon by Arctic benthic communities revealed through isotope labelling experiments. 2018 , 600, 21-39	4
111	Management changes in rice production alter microbial community. 1997 , 51, 33-40	7
110	Seasonal variability and sources of in situ brGDGT production in a permanently stratified African crater lake. 2020 , 17, 5443-5463	15
109	Tracing carbon assimilation in endosymbiotic deep-sea hydrothermal vent Mytilid fatty acids by ¹³ C-fingerprinting. 2010 , 7, 2591-2600	6
108	Arctic Gypsum Endoliths: a biogeochemical characterization of a viable and active microbial community.	9
107	Prominent bacterial heterotrophy and sources of ¹³ C-depleted fatty acids to the interior Canada Basin.	1
106	Mechanisms of microbial carbon sequestration in the ocean [future research directions.	3
105	Influence of chemosynthetic substrates availability on symbiont densities, carbon assimilation and transfer in the dual symbiotic vent mussel <i>Bathymodiolus azoricus</i> .	1

104	Tracing carbon assimilation in endosymbiotic deep-sea hydrothermal vent Mytilid fatty acids by ^{13}C -fingerprinting.	1
103	Microbial food web dynamics along a soil chronosequence of a glacier forefield.	3
102	A laboratory experiment of intact polar lipid degradation in sandy sediments.	4
101	Gradients in intact polar diacylglycerolipids across the Mediterranean Sea are related to phosphate availability.	1
100	Biogeochemical factors affecting mercury methylation rate in two contaminated floodplain soils.	2
99	Food quality determines sediment community responses to marine vs. terrigenous organic matter in a submarine canyon.	2
98	Vegetation composition and soil microbial community structural changes along a wetland hydrological gradient.	4
97	Physikalisch-chemische und biologische Methoden zur Charakterisierung der Sedimentmatrix. 2001 , 85-115	
96	Subsurface Microorganisms: Ecological significance.	
95	Quantification of Microbial Biomass.	
94	Lipid Biomarkers in Environmental Microbiology.	
93	Psychrophilic Bacteria: Isolation and Characterization.	
92	Quantification of Microbial Biomass.	
91	Designing Monitoring Programs to Effectively Evaluate the Performance of Natural Attenuation. 2005 , 573-637	
90	Plant species richness, elevated CO_2 , and atmospheric nitrogen deposition alter soil microbial community composition and function. 2007 , 070621084512038-???	1
89	Lipid Fingerprinting of Soil Microbial Communities. 2007 , 781-792	
88	Characterization of Microeukaryota in Natural Environments. 2007 , 1112-1121	
87	Using Stable Carbon Isotope Labelling in Signature Fatty Acids to Track Carbon Allocation in Arbuscular Mycorrhiza. 2009 , 275-284	

- 86 Data report: geochemical and microbial biomarker investigations of sedimentary successions from the Belgica carbonate mound province in the Porcupine Basin, offshore Ireland.
- 85 Characteristics of aquatic plant roots, soil microbes and agricultural non-point source pollutant mitigation in riparian buffer zones. **2010**, 18, 365-370
- 84 Temporal variations in abundance and composition of intact polar lipids in North Sea coastal marine water.
- 83 Correlations between the dissolution fractions of chromium, lead and zinc and soil microbiological and biochemical parameters on a sandy soil from the Ny^ E^ g region of Hungary treated with lignite. **2011**, 60, 383-396
- 82 Comparative Study on Microphytobenthic Pigments and Total Microbial Biomass by ATP in Intertidal Sediments. **2013**, 35, 39-50
- 81 Different seasonality of pelagic and benthic &i>Thaumarchaeota&/i> in the North Sea.
- 80 Microbial Nucleotide Fingerprints in Nature. 869-878
- 79 Direct measurements of oxygen microprofiles and distribution of phospholipid-P in a two-phase soilhanure system. **1993**, 549-559
- 78 Weathered Stone: Biomass, Community Structure, and Nutrients. **1996**, 297-309
- 77 Description of Microbial Communities of Rhizosphere Soil Based on the Phospholipid Fatty - Acid Spectrum Analysis of Microorganisms. **1997**, 345-348
- 76 Protein Profile Analysis for Investigating Genetic Functions in Microbial Communities. **1998**, 147-159 1
- 75 Seasonal changes in sedimentary microbial communities of two eutrophic bays as estimated by biomarkers. **1999**, 117-125
- 74 Probing the fate of soil-derived core and intact polar GDGTs in aquatic environments.
- 73 References. **2014**, 461-514
- 72 Do climate factors govern soil microbial community composition and biomass at a regional scale?. 1
- 71 Relationship between the biofilm microbial communities and the environmental factors of municipal slow-flow water. **2015**, 27, 58-66
- 70 Microbial Communities. **2017**, 1433-1438
- 69 Microbial Biomass: Measurement. **2017**, 1429-1432

68	Sharing of Nutritional Resources in Bacterial Communities Determined by Isotopic Ratio Mass Spectrometry of Biomarkers. 2001 , 143-154		
67	The rate of change of a soil bacterial community after liming as a function of temperature. 2003 , 46, 177-86		4
66	The effect of hydrodynamics on the succession of autotrophic and heterotrophic organisms of biofilms in river ecosystems. 2021 , 83, 63-76		1
65	Phospholipid biomarkers analysis as a tool for microbial community assessment on radionuclides contaminated territories. 2020 , 11,		
64	Variations in wetland hydrology drive rapid changes in the microbial community, carbon metabolic activity, and greenhouse gas fluxes. 2022 , 317, 269-285		1
63	Microbial Hotspots of organic matter decomposition in temperate peatlands are driven by local spatial heterogeneity in abiotic conditions and not by vegetation structure. <i>Soil Biology and Biochemistry</i> , 2022 , 165, 108501	7.5	1
62	Fifteen shades of clay: distinct microbial community profiles obtained from bentonite samples by cultivation and direct nucleic acid extraction. 2021 , 11, 22349		0
61	The Mixed Addition of Biochar and Nitrogen Improves Soil Properties and Microbial Structure of Moderate-Severe Degraded Alpine Grassland in Qinghai-Tibet Plateau. 2021 , 12, 765041		0
60	Microbial community composition and activity in paired irrigated and non-irrigated pastures in New Zealand. 2021 ,		0
59	Soil properties and substrate quality determine the priming of soil organic carbon during vegetation succession. 1		0
58	Short-term biochar effect on soil physicochemical and microbiological properties of a degraded alpine grassland. 2022 , 32, 426-437		1
57	High additions of nitrogen affect plant species-specific differences in the composition of main microbial groups and the uptake of rhizodeposited carbon in a grassland soil. 2022 , 58, 149-165		
56	Soil phosphorus status and P nutrition strategies of European beech forests on carbonate compared to silicate parent material.. 2022 , 158, 39-72		1
55	Greenhouse gas fluxes from riparian forest soil depend on the responses of microbes to nitrogen and phosphorus additions. 2022 , 173, 104365		0
54	Microbial feedbacks on soil organic matter dynamics underlying the legacy effect of diversified cropping systems. <i>Soil Biology and Biochemistry</i> , 2022 , 108584	7.5	0
53	Progeny selection for enhanced forest growth alters soil communities and processes. 2022 , 13,		0
52	Soil phosphorus forms show only minor changes across a 5000-year-old boreal wildfire chronosequence. 1		0
51	Effects of Plastic versus Straw Mulching Systems on Soil Microbial Community Structure and Enzymes in Strawberry Cultivation. 2022 , 6, 21		0

50	The role of microbes in the increase of organic phosphorus availability in the rhizosphere of cover crops. 1	1
49	A new and improved protocol for extraction of intact polar membrane lipids from archaea. 2022 , 165, 104353	0
48	Migration and Transformation of Multiple Heavy Metals in the Soil-Plant System of E-Waste Dismantling Site.. 2022 , 10,	
47	Methane-Derived Carbon as a Driver for Cyanobacterial Growth.. 2022 , 13, 837198	1
46	The contribution of microbial activity to soil-water interactions and soil microstructural stability of a silty loam soil under moisture dynamics. 2022 , 417, 115822	0
45	A Simple Method to Determine Soil Microbial Biomass Carbon by Facilitating Gaseous Diffusion of Chloroform into Pores. 2021 , 54, 660-666	
44	Isotopic and Chemical Assessment of the Dynamics of Methane Sources and Microbial Cycling during Early Development of an Oil Sands Pit Lake.. 2021 , 9,	1
43	Wetland conversion to cropland alters the microbes along soil profiles and over seasons. 2022 , 214, 106282	0
42	Table_1.docx. 2020 ,	
41	Data_Sheet_1.XLSX. 2018 ,	
40	Image_1.PDF. 2018 ,	
39	Table_1.docx. 2019 ,	
38	Data_Sheet_1.docx. 2018 ,	
37	Table_1.docx. 2018 ,	
36	Table_2.XLSX. 2018 ,	
35	Table_3.DOCX. 2018 ,	
34	Data_Sheet_1.docx. 2020 ,	
33	Data_Sheet_1.docx. 2020 ,	

32	Data_Sheet_1.docx. 2019 ,		
31	Data_Sheet_1.pdf. 2019 ,		
30	Data_Sheet_1.xlsx. 2020 ,		
29	Data_Sheet_2.pdf. 2020 ,		
28	Quantification of viable biomass in biofilm reactors by extractable lipid phosphate. <i>Applied Microbiology and Biotechnology</i> , 1995 , 43, 781-785	5.7	
27	Methods for assessing the quality of AM fungal bio-fertilizer: Retrospect and future directions.. <i>World Journal of Microbiology and Biotechnology</i> , 2022 , 38, 97	4.4	○
26	ddPCR surpasses classical qPCR technology in quantitating bacteria and fungi in the environment.. <i>Molecular Ecology Resources</i> , 2022 ,	8.4	○
25	Functional trait variation and community-weighted means of tree traits can alter soil microbial biomass and community composition. <i>Soil Biology and Biochemistry</i> , 2022 , 170, 108715	7.5	○
24	The carbon sequestration response of aboveground biomass and soils to nutrient enrichment in boreal forests depends on baseline site productivity. <i>Science of the Total Environment</i> , 2022 , 156327	10.2	○
23	Divergent temporal variations in soil microbial attributes under a subtropic afforestation. <i>Ecological Indicators</i> , 2022 , 142, 109170	5.8	○
22	Fossil organic carbon utilization in marine Arctic fjord sediments.		○
21	Microbial drivers of plant richness and productivity in a grassland restoration experiment along a gradient of land-use intensity.		○
20	Carbon and Nitrogen Availability Drives Seasonal Variation in Soil Microbial Communities along an Elevation Gradient. 2022 , 13, 1657		○
19	Litter and root traits control soil microbial composition and enzyme activities in 28 common subtropical tree species.		1
18	Response of Soil Respiration to Simulated Acid Rain with Different Ratios of SO ₄ ²⁻ to NO ₃ ⁻ in Cunninghamia lanceolata (Lamb.) Hook. and Michelia macclurei Dandy Plantations. 2022 , 13, 1915		○
17	PLFA Profiling of Coal Mine Spoil: An Integrated Approach for the Assessment of Ecological Restoration. 77-87		○
16	Effects of land uses and soil types on microbial activity and community structure. 2022 , 36, 323-336		○
15	Early Effects of No-Till Use on Durum Wheat (Triticum durum Desf.): Productivity and Soil Functioning Vary between Two Contrasting Mediterranean Soils. 2022 , 12, 3136		1

- 14 Microbial utilization of recently fixed, plant-derived organic carbon in shallow Holocene and Pleistocene aquifers in Bangladesh. **2023**, 104556 ○
- 13 Lipid biomarker comparison of relict and active microbial mats from the McMurdo Ice Shelf, Antarctica. **2023**, 179, 104591 ○
- 12 Long-term different fertilization regimes impact on the fate of root-derived C and microbial community structure in paddy soil. **2023**, 116, 103487 ○
- 11 Microorganisms, their residues, and soil carbon storage under a continuous maize cropping system with eight years of variable residue retention. **2023**, 187, 104846 ○
- 10 Soil microbial legacies influence freeze-thaw responses of soil. **2023**, 37, 1055-1066 ○
- 9 Isotopic and microbial evidence for biodegradation of diluted bitumen in the unsaturated zone. **2023**, 322, 121170 ○
- 8 Enhanced production of bio-indigo in engineered *Escherichia coli*, reinforced by cyclopropane-fatty acid-acyl-phospholipid synthase from psychrophilic *Pseudomonas* sp. B14-6. **2023**, 366, 1-9 ○
- 7 Long-term tillage and irrigation effects on aggregation and soil organic carbon stabilization mechanisms. **2023**, 432, 116398 ○
- 6 Divergent Controls on Leaf and Root Litter Decay Linking to Soil C, N, and P Pools Under a Subtropical Land-use Change. ○
- 5 An Overview of Lipid Biomarkers in Terrestrial Extreme Environments with Relevance for Mars Exploration. ○
- 4 Climate and forest properties explain wildfire impact on microbial community and nutrient mobilization in boreal soil. 6, ○
- 3 Habitability of Polygonal Soils in the Hyper-Arid Atacama Desert After a Simulated Rain Experiment. **2023**, 128, ○
- 2 Soil-Litter Mixing Mediates Drivers of Dryland Decomposition along a Continuum of Biotic and Abiotic Factors. ○
- 1 Turnover of non-polymeric leaf lipids in a loamy grassland soil. ○