

CITATION REPORT

List of articles citing

Organic matter and water-stable aggregates in soils

DOI: 10.1111/j.1365-2389.1982.tb01755.x
Journal of Soil Science, 1982, 33, 141-163.

Source: <https://exaly.com/paper-pdf/16104787/citation-report.pdf>

Version: 2024-04-17

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2275	Chemical properties of soil and water-stable aggregates after sixty-seven years of cropping to spring wheat. 1983 , 75, 51-61		69
2274	Iron Oxides in Relation to Aggregation of Soil Particles. 1983 , 33, 257-260		19
2273	Evaluation of gypsum and organic matter additions for improving soil structure in a radiata pine nursery at Benalla, Victoria. 1983 , 23, 208		1
2272	MONOSACCHARIDES IN HYDROLYSATES OF WATER-STABLE AGGREGATES AFTER 67 YEARS OF CROPPING TO SPRING WHEAT AS DETERMINED BY CAPILLARY GAS CHROMATOGRAPHY. 1984 , 64, 647-656		34
2271	Soil organic matter and structural stability: mechanisms and implications for management. 1984 , 319-337		37
2270	Biological Processes and Soil Fertility. 1984 ,		2
2269	Tillage management changes size-distribution of aggregates and macro-structure of soils used for irrigated row-crops. 1984 , 4, 561-576		25
2268	Management of tillage and crop residues for double-cropping in fragile soils of south-eastern Australia. 1984 , 4, 577-589		22
2267	The challenge of soil cultivations and soil water problems. 1984 , 29, 177-190		6
2266	The influence of organic matter on aggregate stability in some British soils. <i>Journal of Soil Science</i> , 1984 , 35, 223-230		314
2265	A note on the formation of microbial polysaccharide from wheat straw decomposed in the absence of soil. 1984 , 56, 337-342		8
2264	The effect of available carbon and nitrogen in straw on soil and ash aggregation and acetic acid production. 1984 , 78, 335-343		26
2263	Dynamics of organic matter in soils. 1984 , 76, 275-285		193
2262	Concepts of soil organic matter transformations in relation to organo-mineral particle size fractions. 1984 , 76, 287-295		88
2261	Interactions between biological processes, cultivation and soil structure. 1984 , 76, 307-318		60
2260	Soil organic matter and structural stability: mechanisms and implications for management. 1984 , 76, 319-337		1311
2259	Influence of soil type, crop and air drying on residual carbohydrate content and aggregate stability after treatment with periodate and tetraborate. 1984 , 76, 339-347		43

2258	Aggregation of surface mine soil by interaction between VAM fungi and lignin degradation products of lespedeza. 1984 , 80, 99-104	14
2257	Physical assessment of a soil with respect to rooting potential. 1984 , 34, 101-114	133
2256	Net nitrogen mineralization from light- and heavy-fraction forest soil organic matter. 1984 , 16, 31-37	226
2255	Green manuring. 1984 , 13, 20-23	8
2254	Effect of pasture or wheat cropping on the permeability of a weakly weathered soil to sodic solutions. 1985 , 28, 275-278	3
2253	Polysaccharide synthesis by capsular microorganisms in coculture with cellulolytic fungi on straw and stabilization of soil aggregates. 1985 , 1, 161-166	20
2252	Recovery of some surface soil properties of ecological interest after sheep grazing in a semi-arid woodland. 1985 , 10, 451-460	28
2251	Symposium on "Protozoan Ecology" The Role of Protozoa in Litters and Soils1. 1985 , 32, 404-409	50
2250	Effect of periodate oxidation on the polysaccharide content and microaggregate stability of rhizosphere and non-rhizosphere soils. 1985 , 88, 113-122	17
2249	Advances in Soil Science. 1985 ,	2
2248	Soil Organic Matter and Biological Activity. 1985 ,	46
2247	Biogeochemistry of C, N, and P in a Soil Catena of the Shortgrass Steppe. 1985 , 66, 276-282	229
2246	Thixotropic Changes in the Stability of Molded Soil Aggregates. 1985 , 49, 979-983	34
2245	Influence of Soybean and Corn Cropping on Soil Aggregate Size and Stability. 1985 , 49, 1534-1537	11
2244	The erodibility of highly calcareous soil material from southern Spain. 1985 , 12, 291-306	13
2243	The erodibility of highly calcareous soil material from southern Spain. 1985 , 12, 291-306	20
2242	Microorganisms and Soil Aggregate Stability. 1985 , 133-171	271
2241	A scanning electron microscopy study of the interactions between sludge organic components and clay particles. 1985 , 35, 159-167	12

2240	Aggregation of clay in six New Zealand soil types as measured by disaggregation procedures. 1986 , 37, 207-220	32
2239	Aggregate Structure and Carbon, Nitrogen, and Phosphorus in Native and Cultivated Soils. 1986 , 50, 627-633	1409
2238	The Ultrastructure of the Rhizoplane and Rhizosphere. 1986 , 24, 211-234	112
2237	Straw incorporation and soil organic matter in macro-aggregates and particle size separates. <i>Journal of Soil Science</i> , 1986 , 37, 125-135	124
2236	Studies on aggregate stability. I. Re-formation of soil aggregates. <i>Journal of Soil Science</i> , 1986 , 37, 329-335	71
2235	Studies on aggregate stability. 11. The effect of humic substances on the stability of re-formed soil aggregates. <i>Journal of Soil Science</i> , 1986 , 37, 337-343	93
2234	The Role of Organic Matter in Modern Agriculture. 1986 ,	18
2233	Crop Residue Management for Improved Soil Productivity. 1986 , 3, 131-142	20
2232	Microfloral and faunal interactions in natural and agro-ecosystems. 1986 ,	2
2231	The Microbiology of Soil Structure. 1986 , 3, 95-113	41
2230	Calcified filaments - an example of biological influences in the formation of calcrete in South Australia. 1987 , 25, 405	89
2229	Image analysis of soils - present and future. 1987 , 40, 115-125	27
2228	Measurement of the length of fungal hyphae by the membrane filter technique as a method for comparing fungal occurrence in cultivated field soils. 1987 , 19, 679-682	21
2227	Soil aggregate stability: The contribution of biological and physical processes. 1987 , 4, 121-126	9
2226	Effects of frequency of peanut (<i>Arachis hypogaea</i> L.) cropping on some properties of krasnozem and euchrozem soils in the South Burnett area, Queensland. 1987 , 27, 585	3
2225	CHANGES IN SOIL AGGREGATION ASSOCIATED WITH TALLGRASS PRAIRIE RESTORATION. 1987 , 74, 1656-166485	
2224	Soybeans root distribution under wet soil culture on a red-brown earth. 1987 , 103, 129-133	4
2223	Effects of time under rain, sampling technique and transport of samples on size distributions of water-stable aggregates. 1987 , 12, 311-318	7

2222	The erodibility of some Nigerian soils: A comparison of rainfall simulator results with estimates obtained from the Wischmeier nomogram. 1987 , 1, 255-265	12
2221	Laboratory experiments on the effects of antecedent moisture and residue application on aggregation of different soils. 1987 , 9, 21-32	20
2220	Biomass energy and soil erosion: Assessment of resource costs. 1987 , 14, 15-38	28
2219	A critical state soil mechanics model for agricultural soils. 1987 , 3, 94-105	49
2218	Stability of aggregates of different size grades in allophanic soils from volcanic ash in New Zealand. <i>Journal of Soil Science</i> , 1987 , 38, 19-27	28
2217	Contributions by fungi and bacteria to aggregate stability of cultivated soils. <i>Journal of Soil Science</i> , 1987 , 38, 71-77	77
2216	Light and electron microscopy of stained microaggregates: the role of organic matter and microbes in soil aggregation. 1988 , 5, 312-322	37
2215	The retention of organic matter in soils. 1988 , 5, 35-70	820
2214	Dynamics of C, N, P and S in grassland soils: a model. 1988 , 5, 109-131	1050
2213	Above and belowground community development in a marine sand dune ecosystem. 1988 , 109, 215-226	32
2212	Variations of soil structure and microbial population in a compost amended soil. 1988 , 106, 113-119	36
2211	Aggregation in soils with small amounts of swelling clays. I. Aggregate stability. <i>Journal of Soil Science</i> , 1988 , 39, 593-616	44
2210	Aggregation in soils with small amounts of swelling clays. II. Chemistry and surface properties of Na resin stable soil aggregates. <i>Journal of Soil Science</i> , 1988 , 39, 617-628	6
2209	Comparison of the macropore structure of a sandy loam surface soil horizon subjected to two tillage treatments. 1988 , 4, 96-102	47
2208	On the use of organic manures for amendment of compacted clay soils: Effects of aerobic and anaerobic conditions. 1988 , 26, 331-339	10
2207	Advances in characterization of soil structure. 1988 , 11, 199-238	638
2206	Food Versus Biomass Fuel: Socioeconomic and Environmental Impacts in the United States, Brazil, India, and Kenya. 1988 , 32, 185-238	37
2205	Distribution of microbial biomass and its activity in different soil aggregate size classes as affected by cultivation. 1988 , 20, 777-786	476

2204	Interactions of organisms at root/soil and litter/ soil interfaces in terrestrial ecosystems. 1988 , 24, 117-134	22
2203	Extraction and characterization of organics from two Champlain Sea subsurface soils. 1988 , 25, 599-607	11
2202	Stability of microaggregates as influenced by antecedent moisture content, organic waste amendment and wetting and drying cycles. 1988 , 15, 565-576	18
2201	Properties of Organo-Mineral Complexes Formed by Different Addition Sequences of Hydroxy-Al, Montmorillonite, and Tannic Acid. 1989 , 37, 235-242	12
2200	The Influence of Organic Matter on Soil Aggregation and Water Infiltration. 1989 , 2, 290-299	101
2199	The role of Ca-organic interactions in soil aggregate stability .II. Field studies with ¹⁴ C-labeled straw, CaCO ₃ and CaSO ₄ .2.H ₂ O. 1989 , 27, 401	77
2198	The role of Ca-organic interactions in soil aggregate stability .III. Mechanisms and models. 1989 , 27, 411	136
2197	Use of organic manures for amendment of compacted clay soils II. Effect of carbon to nitrogen ratio. 1989 , 20, 1635-1644	7
2196	The significance of (surface) physical and chemical properties in determining soil surface condition of red earths in rangelands. 1989 , 27, 213	48
2195	Influences of elemental interactions and pedogenic processes in organic matter dynamics. 1989 , 115, 199-209	11
2194	Influence of cattle-feedlot manure on aggregate stability, plastic limit and water relations of three soils in North-Central Italy. 1989 , 28, 257-269	22
2193	Soil aggregation in the seedbed: A review. I. Properties of aggregates and beds of aggregates. 1989 , 14, 259-279	44
2192	Hard-setting behaviour of some structurally weak tropical soils. 1989 , 13, 365-381	29
2191	Structural dynamics of a mollic Andosol of Mexico under tillage. 1989 , 15, 25-40	4
2190	Amelioration on some physical properties and nutrient availability of an exposed B horizon of red-brown earth. 1989 , 5, 66-71	6
2189	Properties of soil aggregates as influenced by tillage practices. 1989 , 5, 180-188	22
2188	Effect of farmyard manure and its humic fractions on the aggregate stability of a sandy&lamb soil. <i>Journal of Soil Science</i> , 1989 , 40, 293-298	37
2187	Carbon mineralization in soil size fractions after various amounts of aggregate disruption. <i>Journal of Soil Science</i> , 1989 , 40, 649-659	141

2186	Bootstrapping in Ecosystems Internal interactions largely determine productivity and stability in biological systems with strong positive feedback. 1989 , 39, 230-237	265
2185	Changes in soil aggregate stability induced by amendment with humic substances. 1989 , 2, 49-57	23
2184	The effect of organic materials and their humified fractions on the formation and stabilization of soil aggregates. 1989 , 81-82, 561-568	8
2183	Influence of a fungal polysaccharide, scleroglucan, on clay microstructures. 1989 , 21, 299-305	112
2182	Microstructure diversity in Ah horizons of black chernozemic soils, Alberta and British Columbia (Canada). 1989 , 45, 221-240	12
2181	Chemistry and micromorphology of aggregation in earthworm casts. 1989 , 45, 357-374	146
2180	Organic matter decomposition and retention in arid soils. 1989 , 3, 115-148	27
2179	Determination of soil microaggregates with laser light scattering. 1989 , 20, 47-59	8
2178	Effect of cultivation on the relationship between root length density and unsaturated hydraulic conductivity in a moderately swelling clay soil. 1989 , 27, 645	8
2177	Species Migrations and Ecosystem Stability During Climate Change: The Belowground Connection. 1990 , 4, 266-274	50
2176	Improvements in aggregation and infiltration characteristics of a krasnozem under maize with direct drill and stubble retention. 1990 , 28, 577	36
2175	Turnover of soil organic matter under pasture as determined by ¹³ C natural abundance. 1990 , 28, 267	144
2174	Stability of soil aggregates in relation to organic constituents and soil water content. <i>Journal of Soil Science</i> , 1990 , 41, 73-83	322
2173	Soil organic matter, air encapsulation and water-stable aggregation. <i>Journal of Soil Science</i> , 1990 , 41, 529-534	74
2172	The effects of fulvic and humic acids on soil aggregation: a micromorphological study. <i>Journal of Soil Science</i> , 1990 , 41, 563-572	26
2171	Soil structural aspects of decomposition of organic matter by micro-organisms. 1990 , 11, 213-233	354
2170	Effects of different organic waste amendments on soil microaggregates stability and molecular sizes of humic substances. 1990 , 123, 27-37	86
2169	Soil phosphorus fractions, aluminum, and water retention as affected by microbial activity in an Ultisol. 1990 , 121, 125-136	39

2168	Mechanisms of stabilization of earthworm casts and artificial casts. 1990 , 9, 163-167	103
2167	Rates of Change of Soil Structure Under Different Cropping Systems. 1990 , 1-52	164
2166	Gypsum as an ameliorant for subsoil hardpans. 1990 , 3, 253-258	19
2165	Humus contents and transformations in native and cultivated soils. 1990 , 90, 249-265	14
2164	Hierarchy of root and mycorrhizal fungal interactions with soil aggregation. 1990 , 22, 579-584	334
2163	The genesis and age of the argillic horizon in Weichselian loess of northwestern Europe. 1990 , 5, 49-56	23
2162	Long-term effects of high application rates of NPK fertilizer on tensile strength and water stability of the soil structure. 1990 , 47, 381-392	8
2161	Agronomic potential of brewers' spent grains. 1990 , 34, 335-347	23
2160	Structure and self-similarity in silty and sandy soils: the fractal approach. <i>Journal of Soil Science</i> , 1991 , 42, 167-185	155
2159	Soil-plant interactions in agroforestry systems. 1991 , 45, 127-152	77
2158	Consequences of clearing and tillage on the soil of a natural Amazonian ecosystem. 1991 , 38, 273-282	47
2157	Long-Term Impacts Of Tillage, Fertilizer, And Crop Residue On Soil Organic Matter In Temperate Semiarid Regions. 1991 , 93-134	246
2156	Components and microbial biomass content of size fractions in soils of contrasting aggregation. 1991 , 50, 37-62	140
2155	Disaggregation and clay dispersion of Oxisols: Na resin, a recommended methodology. 1991 , 49, 301-317	104
2154	Localization of atrazine non-extractable (bound) residues in soil size fractions. 1991 , 22, 1131-1140	31
2153	Methods for assessing the effects of biota on soil structure. 1991 , 34, 279-303	89
2152	A micromorphological approach to the interactions between soil structure and soil biota. 1991 , 34, 315-328	41
2151	Physical separation of soil organic matter. 1991 , 34, 407-419	156

2150	Saccharide composition of extracellular polymers produced by soil microorganisms. 1991 , 23, 731-736	22
2149	Fungal hyphae and structural stability of soil. 1991 , 29, 729	229
2148	Aggregate hierarchy in soils. 1991 , 29, 815	771
2147	Sustainable Agriculture. 1991 , 1, 7-28	27
2146	Gef ^e g ^e eigenschaften von Parabraunerden und Podsolen unter Wald -und Ackernutzung. 1991 , 154, 107-114	
2145	Tillage and water content effects on surface soil physical properties. 1991 , 21, 67-83	8
2144	Influence of mixed cropping rotations (pasture-arable) on organic matter content, water stable aggregation and clod porosity in a group of soils. 1991 , 19, 77-87	153
2143	Effects of field applications of organic wastes from different sources on chemical, rheological and structural properties of some Italian surface soils. 1991 , 37, 71-78	13
2142	Organic matter available for denitrification in different soil fractions: effect of freeze/thaw cycles and straw disposal. <i>Journal of Soil Science</i> , 1991 , 42, 637-647	155
2141	The effect of cultivation on structure in soils affected by opencast mining for coal. 1991 , 55, 327-339	3
2140	Influence of maize root mucilage on soil aggregate stability. 1991 , 136, 111-119	112
2139	Soil organisms and sustainable productivity. 1992 , 30, 855	104
2138	Physical Fractionation of Soil and Organic Matter in Primary Particle Size and Density Separates. 1992 , 1-90	534
2137	1 Selection of Inoculant Vesicular-arbuscular Mycorrhizal Fungi. 1992 , 24, 1-21	15
2136	Zur Auswirkung organischer Substanz verschiedener Humifizierungsgrade auf die Aggregatstabilit ^e B durch Reduzierung der Benetzbarkeit. 1992 , 155, 143-149	20
2135	Mechanisms of Microarthropod-Microbial Interactions in Soil. 1992 , 23, 1-33	166
2134	Crop rotation. 1992 , 11, 309-326	267
2133	Responses of Soils to Climate Change. 1992 , 163-210	78

2132	Soil and crop management effects on soil quality indicators. 1992 , 7, 48-55	65
2131	Soil crusting in relation to global soil degradation. 1992 , 7, 56-62	13
2130	Using Knowledge of Soil Nutrient Cycling Processes to Design Sustainable Agriculture. 1992 , 2, 63-82	37
2129	20 Mycorrhizal Fungi in Nitrogen-fixing Legumes: Problems and Prospects. 1992 , 24, 375-389	13
2128	Humification and nitrogen mineralization of crop residues in semi-arid Argentina. 1992 , 117-118, 263-270	7
2127	Sustainable dryland cropping in southern Australia: A review. 1992 , 38, 193-204	5
2126	Influence of a gel-forming conditioner on water retention, infiltration capacity, and water distribution in uniform and stratified sandy soils. 1992 , 6, 145-161	6
2125	Rapid stabilization and mobilization of 15N in forest and range soils. 1992 , 24, 849-855	34
2124	Small-scale and large-scale effects of endogeic earthworms on soil organic matter dynamics in soils of the humid tropics. 1992 , 24, 1491-1498	172
2123	Fluorescent staining of earthworm casts for thin section microscopy. 1992 , 24, 1577-1582	8
2122	Experimental approach to measure the compression of soil around emerging wheat coleoptiles. 1992 , 24, 471-477	6
2121	Soil physical properties of three geomorphic zones in a semiarid mulga woodland. 1992 , 30, 55	88
2120	. 1992 ,	8
2119	Soil biology, soil ecology, and global change. 1992 , 14, 104-111	64
2118	Effects of soil texture and structure on carbon and nitrogen mineralization in grassland soils. 1992 , 14, 126-134	162
2117	Decomposition of bacterial polymers in soil and their influence on soil structure. 1992 , 13, 65-73	42
2116	Formation of aggregates by plant roots in homogenised soils. 1992 , 142, 69-79	67
2115	Effects of legumes on soil physical quality in a maize crop. 1992 , 140, 15-23	63

2114	Seasonal variation in the aggregate stability of downland soils. 1992 , 8, 142-150	21
2113	Changes in microstructure of soils following extraction of organically bonded metals and organic matter. <i>Journal of Soil Science</i> , 1992 , 43, 505-515	13
2112	Effect of tillage and crop rotation on the surface stability and chemical properties of a red-brown earth (Alfisol) under wheat. 1992 , 22, 27-40	27
2111	Effect of organic and fertiliser treatments on soil physical properties and erodibility. 1992 , 22, 199-209	38
2110	Residual effects of additions of calcium compounds on soil structure and strength. 1992 , 22, 283-297	13
2109	Structural degradation of two Vertisols under continuous cultivation. 1992 , 24, 47-64	29
2108	Influence of reduced tillage systems on organic matter, microbial biomass, macro-aggregate distribution and structural stability of the surface soil in a humid climate. 1992 , 23, 361-372	135
2107	Changes in soil organic C, microbial C and aggregate stability under continuous maize and cereal cropping, and after restoration to pasture in soils from the Manawatu region, New Zealand. 1992 , 24, 225-241	74
2106	Rate of response of structural stability to a change in water content: Influence of cropping history. 1992 , 25, 167-185	20
2105	Re-establishing life in restored topsoils. 1992 , 3, 161-168	16
2104	Prediction of nitrogen availability in soil after crop residue incorporation. 1993 , 34, 209-215	13
2103	Effect of sample pretreatment on aggregate stability measured by wet sieving or turbidimetry on soils of different cropping history. <i>Journal of Soil Science</i> , 1993 , 44, 261-270	70
2102	High energy ultraviolet photo-oxidation: a novel technique for studying physically protected organic matter in clay- and silt-sized aggregates. <i>Journal of Soil Science</i> , 1993 , 44, 485-499	120
2101	Changes in microbial biomass C, soil carbohydrate composition and aggregate stability induced by growth of selected crop and forage species under field conditions. <i>Journal of Soil Science</i> , 1993 , 44, 665-675	209
2100	Microbial activity-soil structure: Response to saline water irrigation. 1993 , 25, 693-697	31
2099	Soils as biotic constructs favouring net primary productivity. 1993 , 57, 183-211	99
2098	Methods for the study of interrelationships between micro-organisms and soil structure. 1993 , 56, 3-23	13
2097	Influence of fir root zone on soil structure in a 23 m forest transect: the fractal approach. 1993 , 56, 67-85	9

2096	A comparison of methods for measuring water-stable aggregates: implications for determining environmental effects on soil structure. 1993 , 56, 87-104	97
2095	The role of roots, fungi and bacteria on clay particle organization. An experimental approach. 1993 , 56, 179-194	126
2094	Measurement of proliferation and biomass of fungal hyphae and roots. 1993 , 56, 317-330	5
2093	The role of biology in the formation, stabilization and degradation of soil structure. 1993 , 56, 377-400	529
2092	Influence of content and nature of organic matter on the structure of some sandy soils from West Africa. 1993 , 56, 459-478	47
2091	Effect of inoculation with <i>Bacillus polymyxa</i> on soil aggregation in the wheat rhizosphere: preliminary examination. 1993 , 56, 479-491	82
2090	Aggregate stability and soil microbial processes in a soil with different cultivation. 1993 , 56, 503-513	58
2089	An improved sieving machine for estimation of soil aggregate stability (SAS). 1993 , 56, 539-547	25
2088	The influence of soil compaction on microbial biomass and organic carbon turnover in micro-and macroaggregates. 1993 , 56, 587-598	33
2087	Immediate effect of wetting event on microbial biomass and carbohydrate production-mediated aggregation in desert soil. 1993 , 56, 599-607	27
2086	Relationships between soil texture, physical protection of organic matter, soil biota, and c and n mineralization in grassland soils. 1993 , 57, 105-128	205
2085	Cryptogam cover and soil surface condition: Effects on hydrology on a semiarid woodland soil. 1993 , 7, 203-217	45
2084	Carbohydrates of municipal solid wastes as aggregation factor of soils. 1993 , 6, 157-162	34
2083	Impact of gel-conditioned layer depths and water quality on water movement in sandy soils. 1993 , 7, 281-291	1
2082	Terrestrial ecosystem production: A process model based on global satellite and surface data. 1993 , 7, 811-841	1781
2081	Can We Expect a Consistent Efficiency of Municipal Waste Compost Application?. 1993 , 1, 7-14	12
2080	Nutrient Cycling and Soil Fertility in the Grazed Pasture Ecosystem. 1993 , 49, 119-199	770
2079	Influence of clay minerals and organic matter on effects of sodicity on soils. 1993 , 31, 779	55

2078	Organic matter in tropical soils: current conditions, concerns and prospects for conservation. 1993 , 17, 265-305	52
2077	The role of biology in the formation, stabilization and degradation of soil structure. 1993 , 377-400	30
2076	Comparison of alternative farming systems. III. Soil aggregate stability. 1993 , 8, 27-33	37
2075	Effects of lupin on soil properties and wheat production. 1993 , 44, 1971	8
2074	Winter cover crops to minimize nitrate losses in intensive lettuce production. 1993 , 121, 55-62	59
2073	Relationships between soil texture, physical protection of organic matter, soil biota, and C and N mineralization in grassland soils. 1993 , 105-128	11
2072	The influence of soil compaction on microbial biomass and organic carbon turnover in micro- and macroaggregates. 1993 , 587-598	
2071	References. 1993 , 173-185	
2070	Changes in microbial biomass and organic matter levels during the first year of modified tillage and stubble management practices on a red earth. 1994 , 32, 1339	60
2069	Root development and earthworm movement in relation to soil strength and structure. 1994 , 38, 1-40	14
2068	Global Atmospheric-Biospheric Chemistry. 1994 ,	14
2067	Arbuscular mycorrhizas and agrosystem stability. 1994 , 117-131	60
2066	Small Scale Heterogeneity of Soil Chemical Properties. I. A Technique for Rapid Aggregate Fractionation. 1994 , 157, 453-458	21
2065	Soil microaggregation as influenced by uncharged organic conditioners. 1994 , 25, 2215-2229	10
2064	Microbial populations in the rhizosphere of <i>Brachypodium retusum</i> and their relationship with stable aggregates in a semiarid soil of southeastern Spain. 1994 , 8, 105-114	13
2063	Relationships between casts of geophagous earthworms (Lumbricidae, Oligochaeta) and matric potential. 1994 , 18, 127-131	14
2062	A comparison of soil and microbial carbon, nitrogen, and phosphorus contents, and macro-aggregate stability of a soil under native forest and after clearance for pastures and plantation forest. 1994 , 17, 91-100	70
2061	Possible role of soil microorganisms in aggregation in soils. 1994 , 159, 115-121	189

2060	Modification of soil aggregation by watering regime and roots growing through beds of large aggregates. 1994 , 160, 57-66	68
2059	Distribution of soil fractions and location of soil bacteria in a vertisol under cultivation and perennial grass. 1994 , 163, 243-255	38
2058	Changes in aggregate stability, nutrient status, indigenous microbial populations, and seedling emergence, following inoculation of soil with <i>Nostoc muscorum</i> . 1994 , 18, 209-215	110
2057	Evaluation of the characteristics of 14 cover crops used in a soil rehabilitation trial. 1994 , 5, 201-214	8
2056	Physico-chemical properties and productivity of two tropical soils amended with dehydrated swine waste. 1994 , 49, 163-171	11
2055	Effect of sodicity and salinity on disaggregation and tensile strength of an Alfisol under different cropping systems. 1994 , 32, 329-345	23
2054	Long-term tillage effects on soil quality. 1994 , 32, 313-327	195
2053	Influence of corn management on dry aggregate tensile strength: Weibull analysis. 1994 , 32, 149-161	9
2052	Crop residue effects on soil quality following 10-years of no-till corn. 1994 , 31, 149-167	254
2051	Organic matter incorporation affects mechanical properties of soil aggregates. 1994 , 31, 263-275	72
2050	Seasonal changes in surface aggregate stability under different tillage and crops. 1994 , 28, 301-314	26
2049	Formation of stable aggregates in degraded soil by amendment with urban refuse and peat. 1994 , 63, 277-288	71
2048	Effects of soil texture and grassland management on soil organic C and N and rates of C and N mineralization. 1994 , 26, 1221-1231	215
2047	An incubation experiment to determine factors involving aggregation changes in an arid soil receiving urban refuse. 1994 , 26, 1699-1707	125
2046	Changes in physical properties of a soil associated with logging of <i>Eucalyptus regnan</i> forest in southeastern Australia. 1994 , 70, 215-229	63
2045	Changes in composition of soil polysaccharides and aggregate stability after carbon amendments to different textured soils. 1994 , 1, 145-154	39
2044	Active organic matter fractions and microbial biomass as predictors of N mineralization. 1994 , 3, 257-265	24
2043	Crop Rotations for the 21st Century. 1994 , 1-45	277

2042	Microbiotic soil crusts - a review of their roles in soil and ecological processes in the rangelands of Australia. 1994 , 32, 389	412
2041	Carbon dynamics in vertisols under several crops as assessed by natural abundance ^{13}C . 1994 , 32, 311	28
2040	Structural amelioration of a South Australian red-brown earth using calcium and organic amendments. 1994 , 32, 571	71
2039	Effects of latex and poly-DADMAC on erosion, hydrophobicity and water-retention on two different soils. 1995 , 33, 805	7
2038	Krasnozems - organic-matter. 1995 , 33, 43	23
2037	Soil Aggregates and Stabilization of Sand Dunes in the Thar Desert of India. 1995 , 22, 69-71	4
2036	Biological farming for sustainable agricultural production. 1995 , 35, 849	57
2035	The effect of temperature change on soil structure stability. 1995 , 923-930	1
2034	A comparative account of the microbiological characteristics of soils under natural forest, grassland and cropfield from Eastern India. 1995 , 175, 85-91	37
2033	Science in agroforestry. 1995 , 30, 5-55	375
2032	Effect of alley cropping on soil aggregate stability of a tropical Alfisol. 1995 , 32, 237-245	31
2031	Prediction of the non-fertilizer N supply of mineral grassland soils. 1995 , 176, 71-79	15
2030	Total and young organic matter distributions in aggregates of silty cultivated soils. 1995 , 46, 449-459	298
2029	Growth responses of some soil fungi to spatially heterogeneous nutrients. 1995 , 16, 269-280	65
2028	Green manuring with clover and ryegrass catch crops undersown in spring wheat: effects on soil structure. 1995 , 11, 163-167	28
2027	Soil structural improvements with the addition of Lantana camara biomass in rice-wheat cropping. 1995 , 11, 199-203	33
2026	Biological effects of soil compaction. 1995 , 35, 53-68	137
2025	Soil carbohydrates in aggrading and degrading agroecosystems: influences of fungi and aggregates. 1995 , 54, 77-88	44

2024	Soil biological health and agro-ecological change. 1995 , 56, 137-148	10
2023	The effect of hydroxide solutions on dissolution of organic-carbon in some New Zealand soils. 1995 , 33, 873	8
2022	Flocculation and Coagulation of Ca- and Mg-Saturated Montmorillonite in the Presence of a Neutral Polysaccharide. 1995 , 43, 533-539	12
2021	Impact of a soil conditioner on some selected chemical properties of a calcareous soil. 1995 , 9, 91-96	8
2020	Estimation of Biological N ₂ Fixation in a Clover-Grass System by the 15N Dilution Method and the Total-N Difference Method. 1995 , 11, 203-219	15
2019	Structural and dynamic properties of soil organic-matter as reflected by ¹³ C natural-abundance, pyrolysis mass-spectrometry and solid-state ¹³ C NMR-spectroscopy in density fractions of an oxisol under forest and pasture. 1995 , 33, 59	162
2018	Management-practices and soil biota. 1995 , 33, 321	71
2017	The effects of cultivation on the composition of organic-matter and structural stability of soils. 1995 , 33, 975	151
2016	Arbuscular Mycorrhizal Fungi as Components of Sustainable Soil-Plant Systems. 1995 , 15, 201-212	44
2015	Mycorrhizal Interactions in Sustainable Agriculture. 1995 , 15, 271-285	58
2014	Dispersion behavior of soils from reclaimed lands with poor soil physical properties and their characteristics with special reference to clay mineralogy. 1995 , 41, 45-54	14
2013	Temporal variation in ped shape in an old pasture soil. 1995 , 24, 1-11	14
2012	Land use and soil-vegetation relationships in a Mediterranean ecosystem: El Ardal, Murcia, Spain. 1995 , 25, 153-167	50
2011	Evaluating the potential of SEM/EDS analysis for fingerprinting suspended sediment derived from two contrasting topsoils. 1995 , 24, 243-258	24
2010	Denitrifiers and denitrifying activity in size fractions of a mollisol under permanent pasture and continuous cultivation. 1995 , 27, 61-69	74
2009	Microbial biomass associated with water-stable aggregates in forest, savanna and cropland soils of a seasonally dry tropical region, India. 1995 , 27, 1027-1033	61
2008	Biotic manipulation effects on soil carbohydrates and microbial biomass in a cultivated soil. 1995 , 27, 1127-1135	32
2007	Linear relationship between aggregate stability and microbial biomass in three restored soils. 1995 , 27, 1499-1501	28

2006	An instrument for the in situ characterisation of soil structural stability based on the relative intrinsic permeabilities to air and water. 1995 , 65, 209-222	4
2005	Structural variations of humic acids in two sola of Alberta Mollisols. 1995 , 65, 173-193	45
2004	Water flow path interactions with soil hydraulic properties in till soil at G [^] E [^] dsj [^] B, Sweden. 1995 , 170, 255-275	49
2003	A rhizobacterium modifies plant and soil responses to the mycorrhizal fungus <i>Glomus mosseae</i> . 1995 , 2, 195-202	32
2002	Dynamics of soil C and microbial biomass in whole soil and aggregates in two cropping systems. 1995 , 2, 253-261	88
2001	Chapter 5 Mineralogy and chemistry of vertisols. 1996 , 115-200	30
2000	Clay dispersability in moist earthworm casts of different soils. 1996 , 4, 83-92	23
1999	Overview of Vertisols: Characteristics and Impacts on Society. 1996 , 57, 289-375	88
1998	Humus and Soil Conservation. 1996 , 225-264	67
1997	Soil friability in relation to management history and suitability for direct drilling. 1996 , 34, 343	28
1996	Soil aggregate formation and the accrual of particulate and mineral-associated organic matter. 1996 , 28, 665-676	592
1995	Changes in aggregation do not correspond with changes in labile organic C fractions in soil amended with ¹⁴ C-glucose. 1996 , 28, 453-462	42
1994	Relationship of soil ergosterol concentration and fungal biomass. 1996 , 28, 847-855	91
1993	Improved soil dispersion procedures for total bacterial counts, extraction of indigenous bacteria and cell survival. 1996 , 25, 279-286	55
1992	Classifying soil structure using neural networks. 1996 , 92, 101-108	63
1991	Process modeling of controls on nitrogen trace gas emissions from soils worldwide. 1996 , 101, 1361-1377	260
1990	Stabilization and destabilization of soil organic matter: mechanisms and controls. 1996 , 74, 65-105	1091
1989	Organic species in ped surface and core fractions along a climosequence in the prairie, North America. 1996 , 74, 193-206	37

1988	Water dispersible colloids and factors influencing their dispersibility from soil aggregates. 1996 , 74, 255-266	84
1987	Active fractions of organic matter in soils with different texture. 1996 , 28, 1367-1372	136
1986	Incorporating Nonextractable Atrazine Residues into Soil Size Fractions as a Function of Time. 1996 , 60, 150-157	59
1985	Small-Scale Heterogeneity of Aluminum and Heavy Metals in Aggregates along a Climatic Transect. 1996 , 60, 1490-1495	11
1984	Use of poultry manure and plant cultivation for the reclamation of burnt soils. 1996 , 22, 265-271	11
1983	Water-stable aggregates and associated organic matter in forest, savanna, and cropland soils of a seasonally dry tropical region, India. 1996 , 22, 76-82	40
1982	Concepts in Mycorrhizal Research. 1996 ,	2
1981	Soil solution composition and aggregate stability changes caused by long-term farming at four contrasting sites in South Australia. 1996 , 34, 511	20
1980	References. 1996 , 407-445	
1979	Winter cover crops in a vegetable cropping system: Impacts on nitrate leaching, soil water, crop yield, pests and management costs. 1996 , 59, 1-17	140
1978	AGGREGATE STABILITY OF SOILS IN CENTRAL SPAIN AND THE ROLE OF LAND MANAGEMENT. 1996 , 21, 181-193	37
1977	SPLASH TRANSPORT OF ORGANIC CARBON AND ASSOCIATED CONCENTRATION AND MASS ENRICHMENT RATIOS FOR AN OXISOL, HAWAII. 1996 , 21, 1145-1162	11
1976	Contribution of sewage sludge to erosion control in the rehabilitation of limestone quarries. 1996 , 7, 69-76	46
1975	Decomposition and transfer of plant residue ¹⁴ C between size and density fractions in soil. 1996 , 179, 159-169	18
1974	Cultivation effects on the nature of organic matter in soils and water extracts using CP/MAS ¹³ C NMR spectroscopy. 1996 , 184, 207-217	12
1973	Growth response of <i>Pinus halepensis</i> to inoculation with <i>Pisolithus arhizus</i> in a terraced rangeland amended with urban refuse. 1996 , 179, 35-43	28
1972	The effect of strong hydroxide solutions on the stability of aggregates and hydraulic conductivity of soil. 1996 , 47, 43-50	22
1971	Turnover of clay-associated organic nitrogen in the different aggregate-size classes of a cultivated silty loam. 1996 , 47, 285-291	15

1970	Effects of associations between humic acids and iron or aluminium on the flocculation and aggregation of kaolin and quartz. 1996 , 47, 335-343	21
1969	Aggregate stability and assessment of soil crustability and erodibility: I. Theory and methodology. 1996 , 47, 425-437	886
1968	Effects of soil compaction on N-mineralization and microbial-C and -N. I. Field measurements. 1996 , 38, 175-188	56
1967	Rainfall Erosivity and Erodibility of Inceptisols in the Southwest Colombian Andes. 1996 , 32, 91-101	13
1966	Some soil factors influencing accelerated water erosion of arable land. 1996 , 20, 205-215	14
1965	Stability of allophane, allophanic clay, and allophane-halloysite floc in aqueous solutions of an anionic exocellular heteropolysaccharide (Gum Xanthan) from <i>Xanthomonas campestris</i> . 1996 , 42, 603-612	12
1964	Methods in Soil Physics. 1996 , 385-395	24
1963	. 1996 , 143-159	61
1962	Soil Organic Matter and Nutrient Availability Responses to Reduced Plant Inputs in Shortgrass Steppe. 1996 , 77, 2516-2527	61
1961	Effect of cultivation on chemical characteristics and respiratory activity of crusting soil from Mazowe (Zimbabwe). 1996 , 27, 2111-2124	6
1960	Dissolved Humus in Soil Waters. 1996 , 171-223	96
1959	Applications of Micromorphology of Relevance to Agronomy. 1997 , 59, 119-169	18
1958	Distribution of a bacterium (<i>Eh</i> , 2,3,4,5,6-hexachlorocyclohexane-decomposing <i>Sphingomonas paucimobilis</i>) among soil aggregates. 1997 , 43, 463-468	3
1957	Electrokinetic properties of variable charge clays in the presence of an anionic xanthan polysaccharide and inorganic electrolytes. 1997 , 43, 307-315	4
1956	Chapter 16 Case study of soil quality in South-Eastern Australia: Management of structure for roots in duplex soils. 1997 , 25, 339-350	12
1955	Influence of No-Till Cropping Systems on Microbial Relationships. 1997 , 60, 121-147	10
1954	Fungal and Bacterial Pathways of Organic Matter Decomposition and Nitrogen Mineralization in Arable Soils. 1997 ,	20
1953	Interactions Between Soil Biota, Soil Organic Matter, and Soil Structure. 1997 ,	

1952	Influence of aggregate architecture and minerals on living habitats and soil organic matter. 1997 , 77, 367-377	34
1951	Relationship of soil properties and soil amendments to response of <i>Glomus intraradices</i> and soybeans. 1997 , 75, 483-491	26
1950	Soil Quality: An Approach to Physical State Assessment. 1997 , 9, 91-108	9
1949	Plant and soil response to single and mixed species of arbuscular mycorrhizal fungi under fungicide stress. 1997 , 7, 93-102	25
1948	Stabilization of aggregates by the microbial biomass as affected by soil texture and type. 1997 , 5, 221-230	35
1947	Size and density fractionation of soil organic matter and the physical capacity of soils to protect organic matter. 1997 , 245-255	2
1946	Hydrology and erodibility of the soils and saprolite cover of the Swaziland Middleveld. 1997 , 11, 247-262	6
1945	Chapter 7 Effects of soil redistribution on soil quality: Pedon, landscape, and regional scales. 1997 , 25, 167-185	6
1944	Influences of mycelial fungi on soil aggregation and organic matter storage in conventional and no-tillage soils. 1997 , 5, 211-219	173
1943	Aggregation of soil by fungal hyphae. 1997 , 35, 55	137
1942	Earthworm-induced distribution of organic matter in macro-aggregates from differently managed arable fields. 1997 , 29, 391-395	27
1941	Effects of earthworms on soil aggregate stability and carbon and nitrogen storage in a legume cover crop agroecosystem. 1997 , 29, 401-408	63
1940	Nutrient cycling through microbial biomass under rice-pasture rotations replacing native savanna. 1997 , 29, 1433-1441	31
1939	Influence of six crop species on aggregate stability and some labile organic matter fractions. 1997 , 29, 1647-1653	198
1938	Effects of clay minerals and land use on organic matter pools. 1997 , 75, 1-12	139
1937	Organic matter dynamics and aggregation in soils under rain forest and pastures of increasing age in the eastern Amazon Basin. 1997 , 76, 87-112	80
1936	Phospholipid fatty acid profiles and C availability in wet-stable macro-aggregates from conventionally and organically farmed soils. 1997 , 78, 181-196	47
1935	Physical control of soil organic matter dynamics in the tropics. 1997 , 79, 69-116	594

1934	Comparative organic geochemistries of soils and marine sediments. 1997 , 27, 319-361	540
1933	Global model estimates of carbon and nitrogen storage in litter and soil pools: response to changes in vegetation quality and biomass allocation. 1997 , 49, 1-17	24
1932	Soil Microbial Communities and Carbon Flow in Agroecosystems. 1997 , 367-413	14
1931	Methods for Assessing Soil Quality. 1997 ,	36
1930	Aggregate stability and assessment of soil crustability and erodibility: II. Application to humic loamy soils with various organic carbon contents. 1997 , 48, 39-48	242
1929	La mati�re organique soluble � l'eau chaude et la stabilit� de l'agr�gation. Aspects m�thodologiques et application � des sols Ferrallitiques du Congo. 1997 , 48, 239-247	9
1928	Fate of carbon and nitrogen in water-stable aggregates during decomposition of ¹³ C ¹⁵ N-labelled wheat straw in situ. 1997 , 48, 295-300	170
1927	The origin and loss of fractal scaling in simulated soil aggregates. 1997 , 48, 643-650	4
1926	Soil physical properties of afforested and arable land. 1997 , 13, 209-217	43
1925	Residue management, conservation tillage and soil restoration for mitigating greenhouse effect by CO ₂ -enrichment. 1997 , 43, 81-107	312
1924	Size and density fractionation of soil organic matter and the physical capacity of soils to protect organic matter. 1997 , 7, 189-199	125
1923	Porosity and herbicide leaching in soils amended with olive-mill wastewater. 1997 , 65, 151-161	87
1922	POSITIVE AND NEGATIVE EFFECTS OF ORGANISMS AS PHYSICAL ECOSYSTEM ENGINEERS. 1997 , 78, 1946-1957	1447
1921	Mycorrhizal fungi influence plant and soil functions and interactions. 1997 , 188, 199-209	115
1920	The influence of organic matter in reducing the destabilization of soil by simulated tillage. 1997 , 42, 253-275	108
1919	Physical properties of tilled soils. 1997 , 43, 41-63	55
1918	The role of soil organic matter in maintaining soil quality in continuous cropping systems. 1997 , 43, 131-167	729
1917	Soil degradative effects of slope length and tillage methods on alfisols in western Nigeria. III. Soil physical properties. 1997 , 8, 325-342	12

1916	Structure and stability of natural organic matter/soil complexes and related synthetic and mixed analogues. 1997 , 73, 127-200	33
1915	Soil aggregation status and rhizobacteria in the mycorrhizosphere. 1998 , 202, 89-96	114
1914	A survey of soils for aggregate stability and glomalin, a glycoprotein produced by hyphae of arbuscular mycorrhizal fungi. 1998 , 198, 97-107	732
1913	Dynamics of phosphorus fractions in a savanna Alfisol under continuous cultivation. 1998 , 14, 59-64	35
1912	Soil erosion in Norway. An overview of measurements from soil loss plots. 1998 , 14, 84-89	55
1911	Resistances to penetration of aggregates from loess-derived topsoils at different soil water tensions. 1998 , 47, 73-81	13
1910	Reclaiming the erosion susceptible landscape of the Italian badlands for arable cultivation. 1998 , 9, 331-346	6
1909	The impact of climate change on geomorphology and desertification along a mediterranean-arid transect. 1998 , 9, 407-422	223
1908	A review of soil erosion potential associated with biomass crops. 1998 , 14, 351-359	149
1907	The interaction of soil biota and soil structure under global change. 1998 , 4, 703-712	75
1906	Interaction between clay microstructure, decomposition of plant residues and humification. 1998 , 49, 579-587	15
1905	Water-stable aggregation of Qu ⁺ bec silty clay soils: some factors controlling its dynamics. 1998 , 47, 91-96	48
1904	Management effects on C accumulation and loss in soils of the southern Appalachian Piedmont of Georgia. 1998 , 47, 245-251	44
1903	Soil C and N changes on conservation reserve program lands in the Central Great Plains. 1998 , 47, 339-349	90
1902	Rainfall infiltration and runoff from an Alfisol in semi-arid tropical India. II. Tilled systems. 1998 , 48, 61-69	28
1901	Seasonal changes of physical properties of an Oxic Paleustalf (Red Kandosol) after 16 years of direct drilling or conventional cultivation. 1998 , 49, 65-77	40
1900	Temporal changes in dry aggregate size and stability: tillage and crop effects on a silty loam Mollisol in Illinois. 1998 , 49, 173-183	62
1899	The relevance of humus forms for land degradation in Mediterranean mountainous areas. 1998 , 23, 285-292	13

1898	Deriving indicators of soil degradation from soil aggregation studies in southeastern Spain and southern France. 1998 , 23, 307-321	95
1897	Spatial and short-term temporal variations in runoff, soil aggregation and other soil properties along a mediterranean climatological gradient. 1998 , 33, 123-138	76
1896	Organic matter and enzyme activity in particle-size fractions of soils obtained after low-energy sonication. 1998 , 30, 9-17	226
1895	Soil quality attributes as influenced by annual legumes used as green manure. 1998 , 30, 1177-1185	79
1894	Contributions of interacting biological mechanisms to soil aggregate stabilization in restored prairie1The submitted manuscript has been created by the University of Chicago as operator of Argonne National Laboratory under Contract No. W-31-109-ENG-38 with the U.S. Department of Energy.1. 1998 , 30, 905-916	335
1893	Changes in chemistry and aggregation of a california forest soil worked by the earthworm <i>Argilophilus papillifer eisen</i> (megascolecidae). 1998 , 30, 1677-1687	25
1892	Can there be a contemporary ecological dimension to soil biology without a habitat?. 1998 , 30, 1229-1232	54
1891	Invertase and xylanase activity of bulk soil and particle-size fractions during maize straw decomposition. 1998 , 31, 9-18	82
1890	Nature of carbohydrates associated with water-stable aggregates of two cultivated soils. 1998 , 31, 55-63	176
1889	Space-time dynamics in situ of earthworm casts under temperate cultivated soils. 1998 , 31, 85-93	45
1888	Sorption of pesticides in the sediment of the Teufelsweiher pond (Southern Germany). I: Equilibrium assessments, effect of organic carbon content and pH. 1998 , 32, 1662-1672	130
1887	The Effect of Arbuscular Mycorrhiza on Biomass Production and Phosphorus Uptake from Sparingly Soluble Sources By Leek (<i>Allium porrum</i> L.) in Finnish Field Soils. 1998 , 16, 65-85	42
1886	Factors affecting aggregate instability of Greek agricultural soils. 1998 , 29, 1239-1251	35
1885	Soil properties as influenced by cultivation of the aromatic shrub <i>Artemisia afra</i> . 1998 , 15, 14-18	1
1884	Non-living soil organic matter: what do we know about it?. 1998 , 38, 667	93
1883	Biological Processes in Soils. 1998 , 81-116	
1882	Can mid infrared diffuse reflectance analysis replace soil extractions?. 1998 , 38, 681	326
1881	Nitrogen fertilization and cover crop effects on soil structural stability and corn performance. 1998 , 29, 2557-2569	48

1880	Surface modifications of soil minerals by amphiphilic substances (surfactants, synthetic and natural macromolecules). 1998 , 202-213	8
1879	Soil Improvement Following Addition of Chipped Wood from Twigs. 1998 , 13, 132-137	7
1878	Amelioration of saline-sodic soils with organic matter and their use for wheat growth. 1998 , 29, 2307-2318	17
1877	Plant-induced changes in soil structure: Processes and feedbacks. 1998 , 55-72	24
1876	Creating Soil-like Materials For Plant Growth Using Tailings Sand And Fine Tails. 1998 , 37,	5
1875	Role of soil organic matter in stabilization of water-stable aggregates in Soils under different types of land use. 1998 , 44, 147-155	32
1874	Chemical and physical fractions of manganese in soil during intensive ryegrass cropping. 1998 , 29, 97-105	
1873	Role of active aluminum in the formation of water-stable macroaggregates. 1998 , 44, 685-689	4
1872	Residual effects of surface applications of organic matter and calcium salts on the subsoil of a red-brown earth. 1998 , 38, 595	23
1871	Land-use effects on organic carbon, nitrogen, and sulphur concentrations in macroaggregates of differently textured Brazilian oxisols. 1998 , 161, 165-171	5
1870	Estabilidade dos agregados e sua rela��o com o teor de carbono org��nico num latossolo roxo distr��fico, em fun��o de sistemas de plantio, rota��es de culturas e m��todos de preparo das amostras. 1998 , 22, 527-538	132
1869	Distribution of a Population of <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> among Different Size Classes of Soil Aggregates. 1998 , 64, 970-5	31
1868	Sistemas de cultivo e caracter��sticas do solo afetando a estabilidade de agregados. 1998 , 22, 311-317	39
1867	Influ��ncia do cultivo cont��nuo da cana-de-a��car em latossolos amarelos coesos do estado de Alagoas: propriedades micromorfol��gicas. 1998 , 22, 515-525	14
1866	��ndice de desagrega��o do solo baseado em energia ultra-s��nica. 1999 , 23, 525-531	9
1865	Agrega��o de um Planossolo submetido a diferentes sistemas de cultivo. 1999 , 23, 189-195	32
1864	Alter��o de propriedades f��sicas e atividade microbiana de um latossolo amarelo ��co ap��s o cultivo com fruteiras perenes e mandioca. 1999 , 23, 1019-1025	6
1863	Literature cited. 1999 , 258-308	

- 1862 CIGR Handbook of Agricultural Engineering, Volume I Land and Water Engineering, Chapter 4 Land Reclamation and Conservation, Part 4.2 Soil Regeneration and Improvement. **1999**,
- 1861 Changes in Soil Water Storage in Winter Fallowed and Cover Cropped Soils. **1999**, 15, 19-31 21
- 1860 Particulate and mineral-associated organic matter in water-stable aggregates as affected by mineral fertilizer and manure applications. **1999**, 79, 295-302 148
- 1859 Fine-scale analysis of soil quality for various land uses and landforms in central Honduras. **1999**, 14, 146-157 16
- 1858 Biogeochemical Processes in the Rhizosphere: Role in Phytoremediation of Metal-Polluted Soils. **1999**, 273-303 51
- 1857 Relationship between soil erodibility and topsoil aggregate stability or carbon content in a cultivated mediterranean highland (Aveyron, France). **1999**, 30, 1929-1938 43
- 1856 Comparison of fresh and composted organic waste in their efficacy for the improvement of arid soil quality. **1999**, 68, 255-264 78
- 1855 The effect of recreational impacts on soil and vegetation of stabilised Coastal Dunes in the Sharon Park, Israel. **1999**, 42, 1041-1060 65
- 1854 Correlation of physicochemical properties and sub-erosional landforms with aggregate stability variations in a tropical Ultisol disturbed by forestry operations. **1999**, 50, 55-71 61
- 1853 Aggregation and organic matter fractions of three Nigerian soils as affected by soil disturbance and incorporation of plant material. **1999**, 50, 105-114 40
- 1852 The effect of maize straw placement on mineralization of C and N in soil particle size fractions. **1999**, 50, 73-85 97
- 1851 Convergent evolution of cytokines. **1999**, 400, 627-8 59
- 1850 Rise in carbon dioxide changes soil structure. **1999**, 400, 628-628 135
- 1849 A new approach to estimating the pool of stable organic matter in soil using data from long-term field experiments. **1999**, 213, 149-160 53
- 1848 Grazing in a porous environment: 1. The effect of soil pore structure on C and N mineralization. **1999**, 212, 75-83 34
- 1847 Effects of sewage sludge amendment on soil aggregation. **1999**, 10, 3-12 42
- 1846 Soil carbohydrates along a topoclimatic gradient in a Judean desert ecosystem. **1999**, 10, 523-530 6
- 1845 The influence of the soil matrix on nitrogen mineralisation and nitrification. IV.Texture. **1999**, 37, 329 40

1844	The Effects of Cultivation on Soil Nitrogen Mineralization. 1999 , 65, 267-311	85
1843	Bacterial and Fungal Cell-Wall Residues in Conventional and No-Tillage Agroecosystems. 1999 , 63, 1188-1198	255
1842	A Tracer Sphere Detectable by Neutron Activation for Soil Aggregation and Translocation Studies. 1999 , 63, 1284-1290	19
1841	Long-Term Tillage Effects on Soil Chemical Properties and Organic Matter Fractions. 1999 , 63, 1335-1341	100
1840	Aggregate and Soil Organic Matter Dynamics under Conventional and No-Tillage Systems. 1999 , 63, 1350-1358	74
1839	Role of Hydrophobic Components of Soil Organic Matter in Soil Aggregate Stability. 1999 , 63, 1801-1810	214
1838	Lime-induced loss of soil organic carbon and effect on aggregate stability. 1999 , 63, 1841-1844	93
1837	Soil structure development and preferential solute flow. 1999 , 35, 913-928	86
1836	Initial stages of soil formation in a riparian zone: Importance of biological agents and lithogenic inheritance in the development of the soil structure. 1999 , 35, 153-161	19
1835	Morphology and microstructure of microbotic soil crusts on a tiger bush sequence (Niger, Sahel). 1999 , 37, 175-196	105
1834	Microbial contributions to the aggregation of a cultivated grassland soil amended with starch. 1999 , 31, 407-419	77
1833	Spatial distribution of fungal and bacterial biomass in southern Ohio hardwood forest soils: fine scale variability and microscale patterns. 1999 , 31, 1375-1386	99
1832	Links between substrate additions, native microbes, and the structural complexity and stability of soils. 1999 , 31, 1541-1547	14
1831	Differential scanning potentiometry: surface charge development and apparent dissociation constants of natural humic acids. 1999 , 50, 1057-63	20
1830	Effects of slash-and-burn management on soil aggregate organic C and N in a tropical deciduous forest. 1999 , 88, 1-12	73
1829	An evaluation of a fragmentation fractal dimension technique to determine soil erodibility. 1999 , 90, 87-98	40
1828	A description of aggregate liberation and dispersion in A horizons of Australian Vertisols by ultrasonic agitation. 1999 , 91, 11-26	33
1827	Chemical and mineralogical properties of soils in southeastern Nigeria in relation to aggregate stability. 1999 , 92, 111-123	55

1826	Soil Aggregate Stability: A Review. 1999 , 14, 83-151	648
1825	Impact of intermittent rainwater and wastewater flow on coated and uncoated fractures in chalk. 1999 , 35, 3211-3222	28
1824	Crop Residues and Management Practices: Effects on Soil Quality, Soil Nitrogen Dynamics, Crop Yield, and Nitrogen Recovery. 1999 , 68, 197-319	391
1823	Influence of tillage and cropping system on soil organic matter, structure and infiltration in a rolling landscape. 1999 , 79, 457-463	58
1822	Effect of continuous compost application on water-stable soil macroaggregation in a field subjected to double cropping. 1999 , 45, 1003-1007	10
1821	Influence of growing plants and nitrogen fertilizer on saturated hydraulic conductivity. 1999 , 30, 1681-1689	3
1820	In situ conditions and interactions between microbes and minerals in fine-grained marine sediments; a TEM microfabric perspective. 1999 , 84, 183-192	41
1819	Crop rotation effects on soil carbon and physical fertility of two Australian soils. 2000 , 38, 71	73
1818	Modeling soil carbon transported by water erosion processes. 2000 , 11, 83-91	99
1817	Grazing effects on plant cover, soil and microclimate in fragmented woodlands in south-western Australia: implications for restoration. 2000 , 25, 36-47	249
1816	Transformation and binding of ¹³ C and ¹⁴ C-labelled atrazine in relation to straw decomposition in soil. 2000 , 51, 43-54	22
1815	A re-evaluation of the enriched labile soil organic matter fraction. 2000 , 51, 283-293	66
1814	Disruption of soil aggregates by varied amounts of ultrasonic energy in fractionation of organic matter of a clay Latosol: carbon, nitrogen and ¹³ C distribution in particle-size fractions. 2000 , 51, 445-454	72
1813	Field-scale run-off and erosion in relation to topsoil aggregate stability in three tropical regions (Benin, Cameroon, Mexico). 2000 , 51, 485-495	49
1812	Root- and microbial-derived mucilages affect soil structure and water transport. 2000 , 51, 435-443	281
1811	Kaolinite/humic acid interaction in the presence of aluminium ion. 2000 , 168, 1-12	29
1810	Impact of cultivation and sugar-cane green trash management on carbon fractions and aggregate stability for a Chromic Luvisol in Queensland, Australia. 2000 , 55, 183-191	72
1809	Aggregate stability against water forces under different climates on agriculture land and scrubland in southern Bolivia. 2000 , 57, 159-166	136

1808	Managing legume leys, residues and fertilisers to enhance the sustainability of wheat cropping systems in Australia: 2. Soil physical fertility and carbon. 2000 , 54, 77-89	41
1807	Short-term compost effect on macroaggregation in a sandy soil under low rainfall in the valley of Mexico. 2000 , 56, 213-217	30
1806	Tillage impacts on aggregate stability and crop productivity in a clay-loam soil in central Iran. 2000 , 56, 205-212	63
1805	Relationship of soil organic matter dynamics to physical protection and tillage. 2000 , 53, 215-230	735
1804	Effect of root mucilage and modelled root exudates on soil structure. 2000 , 51, 575-581	76
1803	Dynamics of soil organic matter associated with particle-size fractions of water-stable aggregates. 2000 , 51, 595-605	200
1802	Effect of soil aggregate size on methanogenesis and archaeal community structure in anoxic rice field soil. 2000 , 32, 261-270	40
1801	Systematic method for rating soil quality of conventional, organic, and integrated apple orchards in Washington State. 2000 , 80, 29-45	209
1800	Comparison of conventional and alternative vegetable farming systems on the properties of a yellow earth in New South Wales. 2000 , 80, 47-60	82
1799	Land use effects on soil quality in a tropical forest ecosystem of Bangladesh. 2000 , 79, 9-16	448
1798	Influence of arbuscular mycorrhizal fungi on soil structure and aggregate stability of a vertisol. 2000 , 218/2, 173-183	120
1797	Spatial heterogeneity of soil properties in areas under elephant-grass short-duration grazing system. 2000 , 219, 161-168	18
1796	The importance of integration and scale in the arbuscular mycorrhizal symbiosis. 2000 , 226, 295-309	36
1795	Compara ^o entre m ^{todos} para o estudo da estabilidade de agregados em solos. 2000 , 35, 1825-1834	14
1794	Topsoil Characteristics from a Paired Farm Survey of Organic versus Conventional Farming in Southern England. 2000 , 18, 37-54	18
1793	Applications in natural resource management. 2000 , 31, 2211-2229	5
1792	Degradation of soil structure due to coalescence of aggregates in no-till, no-traffic beds in irrigated crops. 2000 , 38, 61	15
1791	Mycorrhizal Fungi Influence Soil Structure. 2000 , 3-18	175

1790	Reclamation of forest soils with excavator tillage and organic amendments. 2000 , 133, 157-163	30
1789	Soil erodibility and processes of water erosion on hillslope. 2000 , 32, 385-415	391
1788	Effects of reduced tillage and liming on microbial activity and soil properties in a weakly-structured soil. 2000 , 14, 135-145	39
1787	Influence of mulch and soil compaction on earthworm cast properties. 2000 , 14, 223-229	39
1786	Microbial responses to simulated tillage in cultivated and uncultivated soils. 2000 , 32, 1547-1559	143
1785	Decomposition of <i>Quercus petraea</i> litter: influence of burial, comminution and earthworms. 2000 , 32, 1989-2000	23
1784	Soil macroaggregate turnover and microaggregate formation: a mechanism for C sequestration under no-tillage agriculture. 2000 , 32, 2099-2103	1809
1783	Nature of organic nitrogen in fine particle size separates of sandy soils of highly industrialized areas as revealed by NMR spectroscopy. 2000 , 32, 241-252	57
1782	Plant residue biochemistry regulates soil carbon cycling and carbon sequestration. 2000 , 32, 361-369	264
1781	Composition and distribution of organic matter in physical fractions of a rehabilitated mine soil rich in lignite-derived carbon. 2000 , 98, 177-192	18
1780	Soil Organic Matter Pools and Their Associations with Carbon Mineralization Kinetics. 2000 , 64, 184-189	141
1779	Root-Derived Carbon and the Formation and Stabilization of Aggregates. 2000 , 64, 201-207	232
1778	Using Paper De-inking Sludge to Maintain Soil Structural Form Field Measurements. 2000 , 64, 275-285	26
1777	Effects of Soil Structure Disturbance on Mineralization of Organic Soil Nitrogen. 2000 , 64, 371-378	72
1776	Stability of Structural Form during Infiltration Laboratory Measurements on the Effect of De-inking Sludge. 2000 , 64, 543-552	9
1775	Soil Structure and Organic Matter I. Distribution of Aggregate-Size Classes and Aggregate-Associated Carbon. 2000 , 64, 681-689	891
1774	Phosphate-Induced Clay Dispersion as Related to Aggregate Size and Composition in Hapludoxs. 2000 , 64, 892-897	24
1773	Soil Aggregation and Glomalin under Pastures in the Southern Piedmont USA. 2000 , 64, 1018-1026	83

1772	Soil Structure and Soil Organic Matter II. A Normalized Stability Index and the Effect of Mineralogy. 2000 , 64, 1042-1049	296
1771	Organic Matter Influence on Clay Wettability and Soil Aggregate Stability. 2000 , 64, 1479-1486	448
1770	Soil aggregate stability under different landscapes and vegetation types in a semiarid area in northeastern Syria. 2000 , 46, 229-240	12
1769	A Comparison of Soil Chemical Characteristics in Modified Rangeland Communities. 2000 , 53, 453	6
1768	BIOGEOCHEMISTRY IN A SHORTGRASS LANDSCAPE: CONTROL BY TOPOGRAPHY, SOIL TEXTURE, AND MICROCLIMATE. 2000 , 81, 2686-2703	183
1767	Tillage-induced changes to soil structure and organic carbon fractions in New Zealand soils. 2001 , 39, 465	121
1766	A review of the effects of wastewater sodium on soil physical properties and their implications for irrigation systems. 2001 , 39, 1259	134
1765	Plant Compounds and Their Turnover and Stabilization as Soil Organic Matter. 2001 , 201-215	61
1764	Water stability of earthworm casts in manure- and inorganic-fertilizer amended agroecosystems influenced by age and depth. 2001 , 45, 12-26	9
1763	Earthworm surface casts affect soil erosion by runoff water and phosphorus transfer in a temperate maize crop. 2001 , 45, 430-442	31
1762	Aggregate stability kit for soil quality assessments. 2001 , 44, 37-45	49
1761	Influence of soil properties on the aggregation of some Mediterranean soils and the use of aggregate size and stability as land degradation indicators. 2001 , 44, 47-67	280
1760	Temporal changes in soil aggregates and water erosion after a wildfire in a Mediterranean pine forest. 2001 , 44, 69-84	106
1759	Erodibility and infiltration characteristics of five major soils of southwest Spain. 2001 , 45, 103-121	76
1758	Mitigation of climatic change by soil carbon sequestration: Issues of science, monitoring, and degraded lands. 2001 , 70, 1-75	55
1757	Influence of microbial populations and residue quality on aggregate stability. 2001 , 16, 195-208	317
1756	Soil organic matter and water-stable aggregates under different tillage and residue conditions in a tropical dryland agroecosystem. 2001 , 16, 229-241	114
1755	Generation of antibodies for soil aggregating basidiomycete detection as an early indicator of trends in soil quality. 2001 , 18, 99-116	14

1754	Organo-metallic complexes in an Andosol: a comparative study with a Cambisol and Podzol. 2001 , 99, 65-79	57
1753	Mechanisms of aggregate stabilization in Ultisols from subtropical China. 2001 , 99, 123-145	142
1752	Organic matter stabilization in a Xanthic Ferralsol of the central Amazon as affected by single trees: chemical characterization of density, aggregate, and particle size fractions. 2001 , 99, 147-168	48
1751	Role of a cyanobacterial cover on structural stability of sandy soils in the Sahelian part of western Niger. 2001 , 101, 15-30	92
1750	Origin of the enriched labile fraction (ELF) in Russian Chernozems with different site history. 2001 , 102, 299-315	16
1749	Application of X-ray microanalysis to study the distribution of organic waste in soil. 2001 , 104, 1-15	4
1748	Biodegradation and insecticidal activity of the toxin from <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> bound on complexes of montmorillonite-umic acids-Al hydroxypolymers. 2001 , 33, 573-581	118
1747	Temporal patterns of C and N under shrub canopy in a loessial soil desert ecosystem. 2001 , 33, 1371-1379	45
1746	Influence of dry-wet cycles on the interrelationship between aggregate, particulate organic matter, and microbial community dynamics. 2001 , 33, 1599-1611	465
1745	Importance of macroaggregate dynamics in controlling soil carbon stabilization: short-term effects of physical disturbance induced by dry-wet cycles. 2001 , 33, 2145-2153	218
1744	Soil organic matter in rainfed cropping systems of the Australian cereal belt. 2001 , 39, 435	159
1743	Grazing effects on soil physical properties and the consequences for pastures: a review. 2001 , 41, 1231	333
1742	Agrega ^o de Latossolo Vermelho distr ^o t ^o p ^o relacionada com o manejo na regi ^o dos cerrados no estado de Minas Gerais. 2001 , 25, 129-136	22
1741	Resist ^{ncia} penetra ^o e permeabilidade de latossolo vermelho distr ^o t ^o p ^o sob sistemas de manejo na regi ^o dos cerrados. 2001 , 25, 167-177	54
1740	Soil Organic Matter Pools and Carbon-13 Natural Abundances in Particle-Size Fractions of a Long-Term Agricultural Field Experiment Receiving Organic Amendments. 2001 , 65, 352-358	110
1739	Effect of Exogenous Carbon on Movement of Simazine and 2,4-D in Soils. 2001 , 65, 1688-1695	72
1738	Effects of gypsum and stubble retention on the chemical and physical properties of a sodic grey Vertosol in western Victoria. 2001 , 39, 1333	24
1737	Restoring soil fertility of degraded hardsetting soils in semi-arid areas with different pastures. 2001 , 41, 507	18

1736	Fosfato e micorriza na estabilidade de agregados em amostras de latossolos cultivados e n̂ õ-cultivados. 2001 , 36, 1425-1435	7
1735	The impact of modern farming practices on soil fertility and quality in England and Wales. 2001 , 137, 127-138	20
1734	OXIDIZIBLE ORGANIC CARBON FRACTIONS AND SOIL QUALITY CHANGES IN AN OXIC PALEUSTALF UNDER DIFFERENT PASTURE LEYS. 2001 , 166, 61-67	343
1733	âHumificationâProcess or Formation of Refractory Soil Organic Matter. 2001 , 89-125	1
1732	Spatial Modeling of Nitrifier Microhabitats in Soil. 2001 , 65, 1709-1716	58
1731	Organic Matter Dynamics and Carbon Sequestration Rates for a Tillage Chronosequence in a Brazilian Oxisol. 2001 , 65, 1486-1499	205
1730	Interactive effects of management practices on water-stable aggregation and organic matter of a Humic Gleysol. 2001 , 81, 545-551	30
1729	Subcritical Water Repellency of Aggregates from a Range of Soil Management Practices. 2001 , 65, 184-190	143
1728	RECYCLING OF DEWATERED CAKE GENERATED FROM MUDDY WATER TREATMENT PROCESS TO VEGETATIVE SOIL BASE. 2001 , 2001, 63-72	
1727	Soil Surface Structure Stabilization by Municipal Waste Compost Application. 2001 , 65, 1804-1811	49
1726	Total, particulate organic matter and structural stability of a Calcixeroll soil under different wheat rotations and tillage systems in a semiarid area of Morocco. 2001 , 57, 225-235	102
1725	Structural stability and carbohydrate contents of an ultisol under different management systems. 2001 , 60, 135-142	19
1724	A review of tillage effects on crop residue management, seedbed conditions and seedling establishment. 2001 , 61, 13-32	101
1723	Changes in some soil properties in a Vertic Argiudoll under short-term conservation tillage. 2001 , 61, 179-186	26
1722	Influence of land-use on properties of a ferralitic soil under low external input farming in southeastern Swaziland. 2001 , 62, 15-25	20
1721	Disc harrowing intensity and its impact on soil properties and plant growth of agropastoral systems in the Llanos of Colombia. 2001 , 62, 131-143	8
1720	Sources and composition of soil organic matter fractions between and within soil aggregates. 2001 , 52, 607-618	195
1719	Physical fractionation of soil and structural and functional complexity in organic matter turnover. 2001 , 52, 345-353	718

1718	Elevated carbon dioxide and irrigation effects on water stable aggregates in a Sorghum field: a possible role for arbuscular mycorrhizal fungi. 2001 , 7, 333-337	69
1717	Organic matter components and aggregate stability after the application of different amendments to a horticultural soil. 2001 , 76, 125-9	106
1716	Organic matter components, aggregate stability and biological activity in a horticultural soil fertilized with different rates of two sewage sludges during ten years. 2001 , 77, 109-14	81
1715	Large contribution of arbuscular mycorrhizal fungi to soil carbon pools in tropical forest soils. 2001 , 233, 167-177	371
1714	Impact of elevated CO ₂ on soil organic matter dynamics as related to changes in aggregate turnover and residue quality. 2001 , 234, 27-36	87
1713	Influence of arbuscular mycorrhizal fungi on soil structure and soil water characteristics of vertisols. 2001 , 229, 245-258	46
1712	An assessment of a mesocosm approach to the study of microbial respiration in a sandy unsaturated zone. 2001 , 39, 391-400	18
1711	World cropland soils as a source or sink for atmospheric carbon. 2001 , 71, 145-191	190
1710	Sustainable soil management practices and quality of potato grown on erodible lands. 2001 , 36, 435-44	4
1709	Microbial population structures in soil particle size fractions of a long-term fertilizer field experiment. 2001 , 67, 4215-24	476
1708	Approach to analyze interactions of microorganisms, hydrophobic substrates, and soil colloids leading to formation of composite biofilms, and to study initial events in microbiogeological processes. 2001 , 336, 317-31	30
1707	Different Patterns of Aggregate Stability in Burned and Restored Soils. 2001 , 15, 163-171	41
1706	Carbohydrates in hot water extracts of soil aggregates as influenced by long-term management. 2002 , 33, 623-634	22
1705	Transient salinity and subsoil constraints to dryland farming in Australian sodic soils: an overview. 2002 , 42, 351	293
1704	The Use of Winter Annual Legume Cover Crops in a Wheat-Grain Sorghum Rotation in South Central Kansas. 2002 , 20, 69-88	5
1703	The role of clays in the restoration of perturbed ecosystems. 2002 , 333-350	3
1702	Soil organic matter and aggregates affected by wildfire in a <i>Pinus halepensis</i> forest in a Mediterranean environment. 2002 , 11, 107	65
1701	A modeling approach to quantifying soil macroaggregate dynamics. 2002 , 82, 181-190	48

1700	Soil aggregate hierarchy in a Brazilian oxisol. 2002 , 197-217	12
1699	Salinity-induced Patterns of Natural Abundance Carbon-13 and Nitrogen-15 in Plant and Soil. 2002 , 66, 489-498	57
1698	Surface Soil Physical Properties After Twelve Years of Dryland No-Till Management. 2002 , 66, 1296-1303	145
1697	Structural Characterization of Soil Organic Matter and Humic Acids in Particle-Size Fractions of an Agricultural Soil. 2002 , 66, 129-141	67
1696	SOIL PORE SIZE AND GEOMETRY AS A RESULT OF AGGREGATE-SIZE DISTRIBUTION AND CHEMICAL COMPOSITION. 2002 , 167, 165-172	27
1695	POLYSACCHARIDES AND pH EFFECTS ON SODIUM-MONTMORILLONITE: FLOCCULATION, DISPERSION, AND RHEOLOGICAL PROPERTIES. 2002 , 167, 791-801	18
1694	CLAY DISPERSION, INFILTRATION, AND EROSION AS INFLUENCED BY EXCHANGEABLE Ca AND Mg. 2002 , 167, 184-193	78
1693	Microbial Community Profiles and Activities among Aggregates of Winter Fallow and Cover-Cropped Soil. 2002 , 66, 142-153	111
1692	Aggregate-Protected Carbon in No-tillage and Conventional Tillage Agroecosystems Using Carbon-14 Labeled Plant Residue. 2002 , 66, 1965-1973	119
1691	Effects of land-use and management practices on soil ergosterol content in andosols. 2002 , 48, 693-699	4
1690	Soil quality vs. environmentally-based agricultural management practices. 2002 , 33, 2301-2329	33
1689	Soil binding properties of mucilage produced by a basidiomycete fungus in a model system. 2002 , 106, 930-937	56
1688	References. 2002 , 490-587	
1687	Global Change and Mycorrhizal Fungi. 2002 , 135-160	51
1686	Microbial biomass, mineral nitrogen and carbon content in savanna soil aggregates under conventional and no-tillage. 2002 , 34, 1563-1570	50
1685	Turnover and storage of C and N in five density fractions from California annual grassland surface soils. 2002 , 16, 64-1-64-16	195
1684	Aggregate stability changes after organic amendment and mycorrhizal inoculation in the afforestation of a semiarid site with <i>Pinus halepensis</i> . 2002 , 19, 199-208	86
1683	Assessing the effectiveness of mycorrhizal inoculation and soil compost addition for enhancing reafforestation with <i>Olea europaea</i> subsp. <i>sylvestris</i> through changes in soil biological and physical parameters. 2002 , 20, 107-118	90

1682	Influence of soil and organic residue management on biomass and biodiversity of understory vegetation in a <i>Eucalyptus globulus</i> Labill. plantation. 2002 , 171, 87-100	24
1681	Relationship Between Plant Phenolic Acids Released during Soil Mineralization and Aggregate Stabilization. 2002 , 66, 1857-1867	50
1680	Application of Soil Quality to Monitoring and Management. 2002 , 94, 3	56
1679	Organic Amendment and Rotation Crop Effects on the Recovery of Soil Organic Matter and Aggregation in Potato Cropping Systems. 2002 , 66, 1311-1319	108
1678	Efeito de sistemas de cultivo na estabilidade de agregados de um Latossolo Vermelho-Amarelo em Querência, MT. 2002 , 37, 203-209	32
1677	The Impact of Intercropping Annual <i>Sida acuta</i> on Corn Production. 2002 , 94, 917-924	25
1676	Macroaggregate Characteristics in Cultivated Soils after 25 Annual Manure Applications. 2002 , 66, 1637-1647	167
1675	Effects of composted feedlot manure on the chemical characteristics of duplex soils in north-eastern Victoria. 2002 , 42, 369	8
1674	INFILTRATION AND SOIL WATER STORAGE UNDER WINTER COVER CROPPING IN CALIFORNIA'S SACRAMENTO VALLEY. 2002 , 45,	43
1673	Accumulation of Microbial Biomass within Particulate Organic Matter of Aging Golf Greens. 2002 , 94, 455-461	15
1672	Soil quality aspects of humid sandy loams as influenced by organic and conventional long-term management. 2002 , 88, 195-214	134
1671	Potential environmental effects of corn (<i>Zea mays</i> L.) stover removal with emphasis on soil organic matter and erosion. 2002 , 89, 149-166	170
1670	Carbon and phosphorus stocks of clayey Ferralsols in Cerrado native and agroecosystems, Brazil. 2002 , 92, 147-158	33
1669	Degradation processes and nutrient constraints in sodic soils. 2002 , 13, 275-294	253
1668	Composition and properties of soil humus in a mixed forest of <i>Cunninghamia lanceolata</i> and <i>Tsoongiodendron odoratum</i> . 2002 , 13, 33-36	1
1667	Artificial climate warming positively affects arbuscular mycorrhizae but decreases soil aggregate water stability in an annual grassland. 2002 , 97, 52-58	147
1666	Linking sequestration of ¹³ C and ¹⁵ N in aggregates in a pasture soil following 8 years of elevated atmospheric CO ₂ . 2002 , 8, 1094-1108	42
1665	Aggregate strength and mechanical behaviour of a sandy loam soil under long-term fertilization treatments. 2002 , 53, 129-137	54

1664	Fate of microbial residues in sandy soils of the South African Highveld as influenced by prolonged arable cropping. 2002 , 53, 29-35	69
1663	Spatial and temporal variations in resistance of loess-derived soils to ephemeral gully erosion. 2002 , 53, 449-463	60
1662	The relationship between copper accumulated in vineyard calcareous soils and soil organic matter and iron. 2002 , 53, 663-670	64
1661	Direct nitrogen and phosphorus limitation of arbuscular mycorrhizal fungi: a model and field test. 2002 , 155, 507-515	340
1660	Soil carbon fractions and relationship to soil quality under different tillage and stubble management. 2002 , 63, 133-139	194
1659	Physical changes and compaction sensitivity of a fine-textured, poorly drained soil (Typic Endoaquept) under varying durations of cropping, Manawatu Region, New Zealand. 2002 , 63, 93-107	37
1658	Disruptive methods for assessing soil structure. 2002 , 64, 3-22	170
1657	Runoff and soil loss from midwestern and southeastern US silt loam soils as affected by tillage practice and soil organic matter content. 2002 , 66, 1-11	116
1656	Long-term effects of tillage systems and rotations on soil structural stability and organic carbon stratification in semiarid central Spain. 2002 , 66, 129-141	168
1655	Stocks and humification degree of organic matter fractions as affected by no-tillage on a subtropical soil. 2002 , 238, 133-140	97
1654	The role of arbuscular mycorrhizal fungi and glomalin in soil aggregation: comparing effects of five plant species. 2002 , 238, 325-333	360
1653	Stabilization mechanisms of soil organic matter: Implications for C-saturation of soils. 2002 , 241, 155-176	2467
1652	The influence of plant species, fertilization and elevated CO ₂ on soil aggregate stability. 2002 , 246, 211-219	35
1651	Short-term effects of biological and physical forces on aggregate formation in soils with different clay mineralogy. 2002 , 246, 185-200	162
1650	The effect of addition of different amounts and types of organic materials on soil physical properties and yield of wheat. 2002 , 247, 295-301	177
1649	Controls and models for estimating direct nitrous oxide emissions from temperate and sub-boreal agricultural mineral soils in Europe. 2003 , 63, 93-115	57
1648	Monitoring of changes in physical and microbiological properties of a Chernozem amended with different organic substrates. 2003 , 253, 391-402	4
1647	Soil organic C sequestration and stabilization in karstic soils of Yucatan. 2003 , 62, 177-196	47

1646	Treatment of a potential soil capping for open-cut mines (Part 1): Influence of prior management on responses to a phyto-organic amendment. 2003 , -1, 1-1	1
1645	Earthworm casts form stable aggregates in physically degraded soils. 2003 , 37, 375-380	35
1644	Effects of the application of a compost originating from crushed cotton gin residues on wheat yield under dryland conditions. 2003 , 19, 357-368	87
1643	Are the links between soil aggregate size class, soil organic matter and respiration rate artefacts of the fractionation procedure?. 2003 , 35, 435-444	68
1642	Soil restorative effects of mulching on aggregation and carbon sequestration in a Miamian soil in central Ohio. 2003 , 14, 481-493	78
1641	Recycling of sewage sludge and household compost to arable land: fate and effects of organic contaminants, and impact on soil fertility. 2003 , 72, 139-152	139
1640	Crop rotation and tillage impact on carbon sequestration in Canadian prairie soils. 2003 , 74, 81-90	82
1639	Six years of in situ CO ₂ enrichment evoke changes in soil structure and soil biota of nutrient-poor grassland. 2003 , 9, 585-600	128
1638	Microaggregates in agricultural soils and their size distribution determined by X-ray attenuation. 2003 , 54, 167-174	17
1637	Myths of slash and burn on physical degradation of savannah soils: impacts on Vertisols in north Cameroon. 2003 , 19, 83-86	17
1636	Soil ¹³ C- ¹⁵ N dynamics in an N ₂ -fixing clover system under long-term exposure to elevated atmospheric CO ₂ . 2003 , 9, 1751-1762	21
1635	Is there a critical level of organic matter in the agricultural soils of temperate regions: a review. 2003 , 70, 1-18	451
1634	Soil physical characteristics and chickpea yield responses to tillage treatments. 2003 , 71, 49-57	27
1633	The role of arbuscular mycorrhizal fungi in sustainable cropping systems. 2003 , 79, 185-225	71
1632	Soil Plant Microbe Interactions in Phytoremediation. 2003 , 52-74	10
1631	Crop Management for Soil Carbon Sequestration. 2003 , 22, 471-502	218
1630	Importance of mechanisms and processes of the stabilisation of soil organic matter for modelling carbon turnover. 2003 , 30, 207-222	383
1629	Exploring some relationships between biological soil crusts, soil aggregation and wind erosion. 2003 , 53, 457-466	160

1628	The effect of time on the weathering of silicate minerals: why do weathering rates differ in the laboratory and field?. 2003 , 202, 479-506	789
1627	Modelling metolachlor exports in subsurface drainage water from two structured soils under maize (eastern France). 2003 , 270, 295-308	13
1626	Indigenous views of soil erosion at Fandou B [^] li, southwestern Niger. 2003 , 111, 439-456	28
1625	Type of fertilizer applied to a paddy [^] land rotation affects selected soil quality attributes. 2003 , 114, 93-108	24
1624	Biodegradability of soluble organic matter in maize-cropped soils. 2003 , 113, 237-252	202
1623	Cropping intensification in dryland systems improves soil physical properties: regression relations. 2003 , 116, 149-164	55
1622	Organic matter in size fractions of soils of the semiarid Argentina. Effects of climate, soil texture and management. 2003 , 116, 265-277	56
1621	Reciprocal transfer of carbon and nitrogen by decomposer fungi at the soil [^] ttter interface. 2003 , 35, 1001-1004	207
1620	Short-term effects of tillage on mineralization of nitrogen and carbon in soil. 2003 , 35, 979-986	55
1619	Soil erosion and the global carbon budget. 2003 , 29, 437-50	992
1618	Soil microbial biomass and activity in response to Eucalyptus plantation and natural regeneration on tropical soil. 2003 , 174, 1-11	96
1617	Medium-term evaluation of a forest soil restoration trial combining tree species change, fertilisation and earthworm introduction. 2003 , 47, 772-783	2
1616	Comparison of organic compounds in the particle-size fractions of earthworm casts and surrounding soil in humid Laos. 2003 , 23, 147-153	31
1615	Soil Ecology. 2003 ,	4
1614	Biogeochemistry of Decomposition and Detrital Processing. 2003 , 249-316	9
1613	Natural Weathering Rates of Silicate Minerals. 2003 , 133-168	25
1612	Modeling Nitrogen Mineralization Kinetics in Arable Soils of Semiarid India. 2003 , 17, 153-168	14
1611	The effect of organic and inorganic fertilizers on soil physical condition and the productivity of a rice [^] lentil cropping sequence in India. 2003 , 140, 419-425	45

1610	Seasonal effects on soil organic carbon dynamics in a tropical deciduous forest ecosystem in western Mexico. 2003 , 19, 179-188	35
1609	Recalcitrant soil organic materials mineralize more efficiently at higher temperatures. 2003 , 166, 300-307	71
1608	Medium-term evaluation of a forest soil restoration trial combining tree species change, fertilisation and earthworm introduction: The 7th international symposium on earthworm ecology □ Cardiff □Wales □2002. 2003 , 47, 772-783	11
1607	Effect of tillage and rotation on organic carbon forms of chernozemic soils in Saskatchewan. 2003 , 166, 328-335	33
1606	Nitrogen biomarkers and their fate in soil. 2003 , 166, 677-686	90
1605	ACHIEVING SOIL CARBON SEQUESTRATION IN THE UNITED STATES: A CHALLENGE TO THE POLICY MAKERS. 2003 , 168, 827-845	140
1604	Characterizing organic matter retention for surface soils in eastern Canada using density and particle size fractions. 2003 , 83, 11-23	142
1603	Destabilization of montmorillonite suspensions by Ca ²⁺ and succinoglycan. 2003 , 38, 173-185	22
1602	A Proposed Mechanism for the Pulse in Carbon Dioxide Production Commonly Observed Following the Rapid Rewetting of a Dry Soil. 2003 , 67, 798-805	138
1601	Iron (Hydr)Oxide Crystallinity Effects on Soil Aggregation. 2003 , 67, 606-611	160
1600	AN ANALYTICAL APPROACH TO ECOSYSTEM BIOGEOCHEMISTRY MODELING. 2003 , 13, 649-663	43
1599	Influence of Long-term Cropping Systems on Soil Physical Properties Related to Soil Erodibility. 2003 , 67, 637-644	61
1598	Organic Matter in Water-stable Aggregates. 2003 , 163-174	7
1597	Reconsolidation of the soil surface after tillage discontinuity, with and without cultivation, related to erosion and its prediction with RUSLE. 2003 , 27, 141-151	12
1596	More than one thousand references related to soil water repellency. 2003 , 315-346	
1595	Mineralogia, qu^ ênica e estabilidade de agregados do tamanho de silte de solos da Regi^ ã Sudeste do Brasil. 2003 , 38, 133-141	17
1594	Caracteriza^ ã qu^ ênica e f^ ênico-h^ êrica de um Latossolo Vermelho ap^ ã vinte anos de manejo e cultivo do solo. 2004 , 28, 327-336	58
1593	Effects of Application of a By-Product of the Two-Step Olive Oil Mill Process on Maize Yield. 2004 , 96, 1	47

1592	Crop and Soil Productivity Response to Corn Residue Removal. 2004 , 96, 1-17	409
1591	Estudo de parâmetros físicos, químicos e hídricos de um Latossolo Amarelo, na região Amazônica. 2004 , 34, 145-154	10
1590	Carbono da biomassa microbiana em solo cultivado com soja sob diferentes sistemas de manejo nos Cerrados. 2004 , 39, 567-573	21
1589	Organic Matter and Aggregate-Size Interactions in Saturated Hydraulic Conductivity. 2004 , 68, 234-242	105
1588	Scale Model of a Soil Aggregate and Associated Organisms: A Teaching Tool for Soil Ecology. 2004 , 33, 85-91	1
1587	Characterization of Soil Amended with the By-Product of Corn Stover Fermentation. 2004 , 68, 139-147	30
1586	Morphologie. 2004 , 1-21	
1585	Conversion from a Sycamore Biomass Crop to a No-till Corn System. 2004 , 68, 225-233	6
1584	Water-Dispersible Colloids: Effects of Measurement Method, Clay Content, Initial Soil Matrix Potential, and Wetting Rate. 2004 , 3, 403-412	58
1583	Hydraulic Properties of Soil-Straw Mixtures. 2004 , 3, 714-721	17
1582	Runoff, Soil Erosion, and Erodibility of Conservation Reserve Program Land under Crop and Hay Production. 2004 , 68, 1332-1341	34
1581	Soil Aggregation and Carbon and Nitrogen Storage under Soybean Cropping Sequences. 2004 , 68, 507-513	55
1580	Soil texture and tree coverage influence on organic matter. 2004 , 57, 511-516	
1579	Development of Substrate Induced Respiration (SIR) Method Combined with Selective Inhibition for Estimating Fungal and Bacterial Biomass in Humic Andosols. 2004 , 7, 70-76	35
1578	Root and Rhizosphere Processes in Metal Hyperaccumulation and Phytoremediation Technology. 2004 , 313-344	11
1577	Role of Fauna in Soil Physical Processes. 2007 , 61-80	1
1576	Arbuscular mycorrhizae and terrestrial ecosystem processes. 2004 , 7, 740-754	409
1575	Rapid incorporation of carbon from fresh residues into newly formed stable microaggregates within earthworm casts. 2004 , 55, 393-399	85

1574	Soil physical properties affected by long-term fertilization. 2004 , 55, 505-512	77
1573	Quantifying the effects of aggregation, particle size and components on the colour of Mediterranean soils. 2004 , 55, 551-565	43
1572	The effects of arbuscular mycorrhizas on soil aggregation depend on the interaction between plant and fungal species. 2004 , 164, 365-373	113
1571	Carbon sequestration in temperate grassland ecosystems and the influence of management, climate and elevated CO ₂ . 2004 , 164, 423-439	331
1570	Gross N transformation rates and net N mineralisation rates related to the C and N contents of soil organic matter fractions in grassland soils of different age. 2004 , 36, 2075-2087	84
1569	The physical protection of soil organic carbon in aggregates: a mechanism of carbon storage in a Vertisol under pasture and market gardening (Martinique, West Indies). 2004 , 103, 375-387	64
1568	Effects of tropical endogeic earthworms on soil erosion. 2004 , 104, 303-315	83
1567	Soil organic carbon stocks in soil aggregates under different land use systems in Nepal. 2004 , 70, 201-213	44
1566	Agricultural activities and the global carbon cycle. 2004 , 70, 103-116	198
1565	Carbon sequestration in soil aggregates under different crop rotations and nitrogen fertilization in an inceptisol in southeastern Norway. 2004 , 70, 167-177	57
1564	Linking Microbial-Scale Findings to Farm-Scale Outcomes in a Dryland Cropping System. 2004 , 5, 311-328	12
1563	Mechanisms of Carbon Sequestration in Soil Aggregates. 2004 , 23, 481-504	354
1562	Growth and survival of seedlings of native plants in an impoverished and highly disturbed soil following inoculation with arbuscular mycorrhizal fungi. 2004 , 14, 339-46	15
1561	Spatial scales of soil bacterial diversity--the size of a clone. 2004 , 48, 119-27	101
1560	A history of research on the link between (micro)aggregates, soil biota, and soil organic matter dynamics. 2004 , 79, 7-31	2126
1559	Sequestration of a Biologically Labile Organic Carbon in Soils by Humified Organic Matter. 2004 , 67, 329-343	87
1558	Transformation of thicket to savanna reduces soil quality in the Eastern Cape, South Africa. 2004 , 265, 153-163	32
1557	Analysis of soil whole- and inner-microaggregate bacterial communities. 2004 , 48, 41-50	89

1556	Carbohydrates and aggregation in lowland soils of Nigeria as influenced by organic inputs. 2004 , 75, 161-172	52
1555	Effects of soil management practices and tillage systems on surface soil water conservation and crust formation on a sandy loam in semi-arid Kenya. 2004 , 75, 173-184	54
1554	Role of aggregate surface and core fraction in the sequestration of carbon from dung in a temperate grassland soil. 2004 , 55, 71-77	22
1553	Mulching effects on phosphorus and sulfur concentrations in a Miamian soil in central Ohio, USA. 2004 , 15, 351-365	4
1552	Aggregate distribution and soil organic matter under different tillage systems for vegetable crops in a Red Latosol from Brazil. 2004 , 77, 79-84	125
1551	Researching structural complexity in agricultural soils. 2004 , 79, 1-6	30
1550	Estimating vital statistics and age distributions of measurable soil organic carbon fractions based on their pathway of formation and radiocarbon content. 2004 , 230, 241-50	23
1549	Stabilization of N-compounds in soil and organic-matter-rich sediments—what is the difference?. 2004 , 92, 167-195	136
1548	Arbuscular mycorrhizae, glomalin, and soil aggregation. 2004 , 84, 355-363	614
1547	Enhancement of Carbon Sequestration in US Soils. 2004 , 54, 895	121
1546	Declining soil quality in South Africa: effects of land use on soil organic matter and surface crusting. 2004 , 21, 388-398	25
1545	Prospects for enhancing carbon sequestration and reclamation of degraded lands with fossil-fuel combustion by-products. 2004 , 8, 425-438	60
1544	Zinc levels in vineyard soils from the Alt Penedor-Anoia region (NE Spain) after compost application. 2004 , 8, 687-696	28
1543	Examining the sediments and soils of Gusev Crater with the Athena science payload. 2004 , 109,	1
1542	Carbon sequestration and stabilization in soils: Implications for soil productivity and climate change. 2004 , 50, 467-476	57
1541	Arbuscular mycorrhizae and soil/plant water relations. 2004 , 84, 373-381	265
1540	The Nature, Properties and Management of Volcanic Soils. 2004 , 82, 113-182	220
1539	References. 2004 , 327-373	

1538	Recovery of soil physical properties from compaction and soil profile disturbance caused by logging of native forest in Victorian Central Highlands, Australia. 2004 , 191, 329-340	93
1537	Physical protection of mineralizable C in aggregates from long-term pasture and arable soil. 2004 , 120, 273-282	102
1536	Mechanisms of aggregation in a silty loam under different simulated management regimes. 2004 , 123, 233-244	30
1535	Nonlinearity of ecogeomorphic processes along Mediterranean-arid transect. 2004 , 60, 303-317	21
1534	Soil disturbance by soil animals on a topoclimatic gradient. 2004 , 40, 73-76	
1533	An empirical model for quantification of symbiotic nitrogen fixation in grass-clover mixtures. 2004 , 82, 181-194	110
1532	Soil structure variations under manipulations of water and vegetation. 2004 , 58, 43-57	20
1531	Carbon and monosaccharides of a tropical Vertisol under pasture and market-gardening: distribution in secondary organomineral separates. 2004 , 119, 163-178	11
1530	STABILITY ANALYSIS OF SOIL AGGREGATES TREATED WITH ANIONIC POLYACRYLAMIDES OF DIFFERENT MOLECULAR FORMULATIONS. 2004 , 169, 573-581	39
1529	Effect of post-methanation effluent on soil physical properties under a soybean-wheat system in a Vertisol. 2004 , 167, 584-590	11
1528	MASS-SIZE SCALING IN SOIL AGGREGATES AS AFFECTED BY AGGREGATE WATER CONTENT AND SOIL COMPACTION. 2004 , 169, 1-12	9
1527	LONG-TERM AND RESIDUAL EFFECTS OF CATTLE MANURE APPLICATION ON DISTRIBUTION OF P IN SOIL AGGREGATES. 2004 , 169, 715-728	26
1526	Soil Texture and Tree Coverage Influence on Organic Matter. 2004 , 57, 511	15
1525	Effect of water and nitrogen management on aggregate size and carbon enrichment of soil in rice-wheat cropping system. 2004 , 167, 216-228	23
1524	Does the presence of glomalin relate to reduced water infiltration through hydrophobicity?. 2004 , 84, 365-372	24
1523	Aggregate-Size Stability Distribution and Soil Stability. 2004 , 68, 725-735	89
1522	Comparison of four methods for liberating various aggregate fractions in Vertosols to study their morphology. 2004 , 42, 29	8
1521	Adi ^o de carbono e nitrog ^{en} io e sua rela ^o com os estoques no solo e com o rendimento do milho em sistemas de manejo. 2004 , 28, 175-187	91

1520	Organic Matter and Aggregate Size Interactions in Infiltration, Seal Formation, and Soil Loss. 2004 , 68, 935-942	77
1519	Carbon Sequestration in Microaggregates of No-Tillage Soils with Different Clay Mineralogy. 2004 , 68, 1935-1944	207
1518	Rheologie. 2004 , 1-26	1
1517	Effects of heating on some soil physical properties related to its hydrological behaviour in two north-western Spanish soils. 2004 , 13, 195	83
1516	Preferential Accumulation of Microbial Carbon in Aggregate Structures of No-Tillage Soils. 2004 , 68, 1249-1255	97
1515	Hydraulic Properties of Soil-Straw Mixtures. 2004 , 3, 714-721	
1514	D ^e ßung von B ^e ßen. 2004 , 1-66	
1513	Tillage and Manure Effects on Soil and Aggregate-Associated Carbon and Nitrogen. 2004 , 68, 809-816	317
1512	BIOLOGICAL AND PHYSICAL PROCESSES THAT MEDIATE MICRO-AGGREGATION OF CLAYS. 2005 , 170, 573-583	37
1511	Soil responses to topsoil replacement depth and organic amendments in wellsite reclamation. 2005 , 85, 307-317	23
1510	SOIL PHYSICAL PROPERTIES AND AGGREGATE-ASSOCIATED C, N, AND P DISTRIBUTIONS IN ORGANIC AND CONVENTIONAL CROPPING SYSTEMS. 2005 , 170, 822-831	69
1509	Effects of Effluent Irrigation on Seal Formation, Infiltration, and Soil Loss during Rainfall. 2005 , 69, 1432-1439	32
1508	The Relationship between Carbon Input, Aggregation, and Soil Organic Carbon Stabilization in Sustainable Cropping Systems. 2005 , 69, 1078-1085	461
1507	Impact of Tillage and Crop Rotation on Aggregate-Associated Carbon in Two Oxisols. 2005 , 69, 482-491	68
1506	Erosion processes and erodibility of cultivated soils in North Rhine-Westphalia under artificial rain. I. Site characteristics and results of laboratory experiments. 2005 , 168, 34-44	13
1505	Long-term effects of cropped vs. fallow and fertilizer amendments on soil organic matter I. Organic carbon. 2005 , 168, 108-116	34
1504	Changes in Macroaggregation and Associated Characteristics in Mine Tailings Amended with Humic Substances. 2005 , 35, 1905-1922	11
1503	STOCK AND DISTRIBUTION OF TOTAL AND CORN-DERIVED SOIL ORGANIC CARBON IN AGGREGATE AND PRIMARY PARTICLE FRACTIONS FOR DIFFERENT LAND USE AND SOIL MANAGEMENT PRACTICES. 2005 , 170, 256-279	36

1502	LEACHING OF COLLOIDS AND DISSOLVED ORGANIC MATTER FROM COLUMNS PACKED WITH NATURAL SOIL AGGREGATES. 2005 , 170, 13-27	48
1501	RESPONSE OF MAJOR SOIL DECOMPOSERS TO LANDSLIDE DISTURBANCE IN A PUERTO RICAN RAINFOREST. 2005 , 170, 202-211	5
1500	Organic Matter Turnover. 2005 ,	3
1499	Flocculation of colloidal clay by bacterial polysaccharides: effect of macromolecule charge and structure. 2005 , 284, 149-56	62
1498	Distribution of carbon, nitrogen and phosphorus in water-stable aggregates of an organic waste amended Ultisol in southern Nigeria. 2005 , 96, 509-16	48
1497	Water erosion and phosphorus problems in an agricultural catchment—Need for natural research for implementation of the EU Water Framework Directive. 2005 , 8, 477-484	24
1496	Labile carbon and methane uptake as affected by tillage intensity in a Mollisol. 2005 , 80, 35-45	56
1495	Land-use effects on organic matter and physical properties of soil in a southern Mediterranean highland of Turkey. 2005 , 83, 270-277	282
1494	Tillage impacts on soil aggregation and carbon and nitrogen sequestration under wheat cropping sequences. 2005 , 84, 67-75	64
1493	Pore characteristics and hydraulic properties of a sandy loam supplied for a century with either animal manure or mineral fertilizers. 2005 , 21, 265-275	24
1492	Cheaters, diffusion and nutrients constrain decomposition by microbial enzymes in spatially structured environments. 2005 , 8, 626-635	345
1491	Short-term effects of management on the soil structure in a deep tilled hardened volcanic-ash soil (cangahua) in Ecuador. 2005 , 56, 39-51	10
1490	Aggregate breakdown dynamics under rainfall compared with aggregate stability measurements. 2005 , 56, 225-238	121
1489	Clay mineralogy determines the importance of biological versus abiotic processes for macroaggregate formation and stabilization. 2005 , 56, 469-479	158
1488	Soil organic matter distribution and microaggregate characteristics as affected by agricultural management and earthworm activity. 2005 , 56, 453-467	92
1487	Interactive effects of elevated CO ₂ , N deposition and climate change on extracellular enzyme activity and soil density fractionation in a California annual grassland. 2005 , 11, 1808-1815	111
1486	Losses of soil organic carbon under wind erosion in China. 2005 , 11, 828-840	72
1485	Accelerated belowground C cycling in a managed agriforest ecosystem exposed to elevated carbon dioxide concentrations. 2005 , 11, 1258-1271	74

1484	Beet vinasse applied to wheat under dryland conditions affects soil properties and yield. 2005 , 23, 336-347	70
1483	Use of fractal scaling to discriminate between and macro- and meso-pore sizes in forest soils. 2005 , 182, 323-335	13
1482	A quantification of short-term macroaggregate dynamics: influences of wheat residue input and texture. 2005 , 37, 55-66	150
1481	Protection of soil carbon by microaggregates within earthworm casts. 2005 , 37, 251-258	259
1480	Responses of the bacterial and fungal biomass in a grassland soil to multi-year applications of dairy manure slurry and fertilizer. 2005 , 37, 613-623	128
1479	Plant invasion of native grassland on serpentine soils has no major effects upon selected physical and biological properties. 2005 , 37, 2277-2282	15
1478	Reducing water erosion in a gypsic soil by combined use of organic amendment and shrub revegetation. 2005 , 16, 339-350	20
1477	The effect of land management on carbon and nitrogen status in plants and soils of alpine meadows on the Tibetan plateau. 2005 , 16, 405-415	37
1476	No tillage and crop rotation effects on soil aggregation and organic carbon in a Rhodic Ferralsol from southern Brazil. 2005 , 80, 185-200	128
1475	Soil compaction in cropping systems. 2005 , 82, 121-145	970
1474	Arbuscular mycorrhizas in coastal sand dunes of the Paraguaná Peninsula, Venezuela. 2005 , 16, 1-9	20
1473	The Biogeochemistry of Carbon at Hubbard Brook. 2005 , 75, 109-176	214
1472	Improving phosphorus availability in two upland soils of Vietnam using <i>Tithonia diversifolia</i> H.. 2005 , 269, 11-23	46
1471	Soil aggregate sequestration of cover crop root and shoot-derived nitrogen. 2005 , 272, 263-276	32
1470	Effects of Cover Crops on Soil Aggregate Stability, Total Organic Carbon, and Polysaccharides. 2005 , 69, 2041-2048	116
1469	Saturated Hydraulic Conductivity and Porosity within Macroaggregates Modified by Tillage. 2005 , 69, 38-45	51
1468	Comportamento de atributos relacionados com a forma da estrutura de Latossolo Vermelho sob sistemas de preparo e plantas de cobertura. 2005 , 29, 425-435	33
1467	Physical properties of soils under intensive agricultural management. 2005 , 62, 165-172	8

1466	. 2005,	13
1465	Forma ^o e estabiliza ^o de agregados do solo influenciados por ciclos de umedecimento e secagem ap ^o adi ^o de compostos org ^o nicos com diferentes caracter ^o sticas hidrof ^o licas. 2005, 29, 21-31	8
1464	Anionic Polysaccharide Sorption by Clay Minerals. 2005, 69, 1026-1035	55
1463	Alteraa ^o f ^o rica e morfol ^o gica em solos cultivados sob sistema tradicional de manejo. 2005, 29, 1005-1014	5
1462	Rye Cover Crop Management for Corn Production in the Northern Mid-Atlantic Region. 2005, 97, 1413-1418	55
1461	Influence of Biosolids Application on Some Soil Physical Properties. 2005, 36, 709-716	32
1460	Importance of Microorganisms for Soil Aggregation. 2005, 107-119	9
1459	Effets de boues mixtes de papeti ^o es fra ^o ches et compost ^o es sur lâgr ^o gation du sol, lâinclusion et la min ^o talisation du C dans les macro-agr ^o gats stables ^o lâbau. 2005, 85, 47-55	10
1458	Effects of Two Organic Wastes in Combination with Phosphorus on Growth and Chemical Composition of Spinach and Soil Properties. 2005, 27, 1635-1651	28
1457	Soil respiration and soil carbon balance in a northern hardwood forest ecosystem. 2005, 35, 244-253	60
1456	Carbon Stocks in Brazilian Latosols (Oxisols) from Different Morphoclimatic Regions and Management Systems. 2005, 35, 2125-2136	10
1455	Exponential increase of publications related to soil water repellency. 2005, 43, 403	101
1454	Thermodynamics of Energy Production from Biomass. 2005, 24, 327-364	114
1453	Decomposition of 13C and 15N labelled plant residue materials in two different soil types and its impact on soil carbon, nitrogen, aggregate stability, and aggregate formation. 2005, 43, 873	25
1452	Soil structure and management: a review. 2005, 124, 3-22	2217
1451	Storage of organic carbon in aggregate and density fractions of silty soils under different types of land use. 2005, 128, 63-79	456
1450	Soil wettability, aggregate stability, and the decomposition of soil organic matter. 2005, 128, 80-93	142
1449	Land use and landscape effects on aggregate stability and total carbon of Andisols from the Colombian Andes. 2005, 129, 268-278	56

1448	Soil aggregate stability and ¹³ C CP/MAS-NMR assessment of organic matter in soils influenced by forest wildfires in [^] bnakkale, Turkey. 2005 , 129, 219-229	70
1447	Soil aggregation response to long- and short-term differences in rainfall amount under arid and Mediterranean climate conditions. 2005 , 70, 1-11	33
1446	A susceptibility model for post wildfire soil erosion in a temperate oceanic mountain area of Spain. 2005 , 61, 256-272	19
1445	World crop residues production and implications of its use as a biofuel. 2005 , 31, 575-84	660
1444	Microbiota accompanying different arbuscular mycorrhizal fungal isolates influence soil aggregation. 2005 , 49, 251-259	49
1443	Earthworms and management affect organic matter incorporation and microaggregate formation in agricultural soils. 2005 , 29, 1-15	160
1442	A comparison of two methods for the isolation of free and occluded particulate organic matter. 2005 , 168, 660-667	21
1441	Impact of plant roots on the resistance of soils to erosion by water: a review. 2005 , 29, 189-217	666
1440	Role of Microorganisms in Carbon Cycling in Soils. 2005 , 139-157	12
1439	POLYMERS AND MICROORGANISMS. 2005 , 287-294	4
1438	Advances in Hydropedology. 2005 , 85, 1-89	111
1437	AGGREGATION Microbial Aspects. 2005 , 22-28	3
1436	Soil Stabilization in Semiarid and Arid Land Agriculture. 2006 , 18, 190-205	45
1435	Effect of Organic Materials on Yields and Nutrient Accumulation of Wheat. 2006 , 29, 959-974	8
1434	Heterogeneity of Physico-Chemical Properties in Structured Soils and Its Consequences. 2006 , 16, 284-296	53
1433	Organic Matter Enrichment and Aggregate Stabilization in a Severely Degraded Ultisol After Reforestation . 2006 , 16, 699-706	18
1432	Cropping system effects on soil biological characteristics in the Great Plains. 2006 , 21, 36-48	72
1431	The effect of water content on solid-state ¹³ C NMR quantitation and relaxation rates of soil organic matter. 2006 , 57, 665-676	9

1430	Hydropedology: Synergistic integration of pedology and hydrology. 2006 , 42,	123
1429	Plant nutrient status of soils of the Lusikisiki area, Eastern Cape Province. 2006 , 23, 93-98	10
1428	Soil organic matter and land degradation in semi-arid area, Israel. 2006 , 67, 50-55	27
1427	Erosion rates and nutrient losses affected by composted cattle manure application in vineyard soils of NE Spain. 2006 , 68, 177-185	45
1426	Interactive effects of functionally different earthworm species on aggregation and incorporation and decomposition of newly added residue carbon. 2006 , 130, 14-25	85
1425	Effect of forage cropping treatments on soil structure and relationships with fractal dimensions. 2006 , 131, 33-44	55
1424	Investigating microbial micro-habitat structure using X-ray computed tomography. 2006 , 133, 398-407	99
1423	Changes in some physical properties of Mollisols induced by supplemental irrigation. 2006 , 133, 431-443	12
1422	No-tillage and manure applications increase aggregation and improve nutrient retention in a sandy-loam soil. 2006 , 134, 24-33	84
1421	Comment on "Soil structure and management: A review" by C.J. Bronick and R. Lal. 2006 , 134, 231-232	16
1420	Regulation of carbon mineralization rates by soil structure and water in an agricultural field and a prairie-like soil. 2006 , 135, 16-25	33
1419	Fractal analysis of soil water hysteresis as influenced by sewage sludge application. 2006 , 134, 386-401	23
1418	Effect of land use on the composition of soil organic matter in density and aggregate fractions as revealed by solid-state ¹³ C NMR spectroscopy. 2006 , 136, 331-341	174
1417	Effects of soil texture on soil carbon and nitrogen dynamics after cessation of agriculture. 2006 , 136, 289-299	109
1416	Particulate organic matter, carbohydrate, humic acid contents in soil macro- and microaggregates as affected by cultivation. 2006 , 136, 660-665	84
1415	Similarity of differently sized macro-aggregates in arable soils of different texture. 2006 , 137, 147-154	57
1414	Soil invertebrates and ecosystem services. 2006 , 42, S3-S15	826
1413	Vegetation and soil change following creosotebush (<i>Larrea tridentata</i>) control in the Chihuahuan Desert. 2006 , 64, 152-173	13

1412	Effects of microbiotic crusts on dew deposition in the restored vegetation area at Shapotou, northwest China. 2006 , 328, 331-337	76
1411	Short-term changes in C and N distribution in soil particle size fractions induced by agricultural practices in a cultivated volcanic soil from Mexico. 2006 , 37, 1943-1948	17
1410	Soil Organic Matter in a West Bengal Inceptisol after 30 Years of Multiple Cropping and Fertilization. 2006 , 70, 121-129	77
1409	Estrat� gias de manejo de coberturas de solo no inverno para cultivo do milho em sucess� o no sistema semeadura direta. 2006 , 36, 1011-1020	18
1408	Propriedades F� sicas e teor de carbono org� nico de um Argissolo Vermelho sob distintos sistemas de uso e manejo. 2006 , 30, 329-337	24
1407	Overview of the Symposium Proceedings, "Meaningful Pools in Determining Soil Carbon and Nitrogen Dynamics" 2006 , 70, 967-974	105
1406	Agrega� o de um planossolo sistematizado h� um ano e sob cultivo de arroz irrigado. 2006 , 36, 837-844	6
1405	Effects of free atmospheric CO ₂ enrichment (FACE), N fertilization and poplar genotype on the physical protection of carbon in the mineral soil of a polar plantation after five years. 2006 , 3, 479-487	8
1404	Mixed Paper Mill Sludge Effects on Corn Yield, Nitrogen Efficiency, and Soil Properties. 2006 , 98, 1471-1478	25
1403	Soil Carbon, Soil Formation, and Ecosystem Development. 2006 , 155-200	3
1402	Nanoscale Biogeocomplexity of the Organomineral Assemblage in Soil. 2006 , 70, 1708-1718	92
1401	Simulation of Tillage Systems Impact on Soil Biophysical Properties Using the SALUS Model. 2006 , 1, 677	38
1400	Fragmentation Effects on Soil Aggregate Stability in a Patchy Arid Grassland. 2006 , 59,	
1399	Zero Tillage and Surface Layer Liming Promising Technique to Reduce Clay Soil Erosion and Phosphorus Loading. 2006 ,	
1398	2,4-D Residues in Aggregates of Tropical Soils as a Function of Water Content. 2006 , 70, 2008-2016	8
1397	Plants, Roots and the Soil. 1-17	
1396	The Soil Habitat and Soil Ecology. 2006 , 59-78	15
1395	POST-RECLAMATION LAND USE EFFECTS ON PROPERTIES AND CARBON SEQUESTRATION IN MINESOILS OF SOUTHEASTERN OHIO. 2006 , 171, 261-271	31

1394	Fragmentation Effects on Soil Aggregate Stability in a Patchy Arid Grassland. 2006 , 59, 406-415	16
1393	Cropping system influences on soil chemical properties and soil quality in the Great Plains. 2006 , 21, 26-35	62
1392	RAPID CHANGES IN SOIL CARBON AND STRUCTURAL PROPERTIES DUE TO STOVER REMOVAL FROM NO-TILL CORN PLOTS. 2006 , 171, 468-482	64
1391	CHARACTERISTICS OF SOIL ORGANIC MATTER IN A LIMNIC HISTOSOL OF THE ALPINE MORAINIC SYSTEM. 2006 , 171, 527-540	8
1390	PHOSPHORUS FRACTIONS AND DYNAMICS AMONG SOIL AGGREGATE SIZE CLASSES OF ORGANIC AND CONVENTIONAL CROPPING SYSTEMS. 2006 , 171, 874-885	22
1389	USING A SOIL QUALITY INDEX TO ASSESS THE EFFECTS OF APPLYING SWINE MANURE COMPOST ON SOIL QUALITY UNDER A CROP ROTATION SYSTEM IN TAIWAN. 2006 , 171, 210-222	36
1388	SPRINKLER DROPLET ENERGY EFFECTS ON SOIL PENETRATION RESISTANCE AND AGGREGATE STABILITY AND SIZE DISTRIBUTION. 2006 , 171, 435-447	9
1387	Soil organic matter fractions and microaggregation in a Ultisol under cultivation and secondary forest in south-eastern Nigeria. 2006 , 44, 627	8
1386	Estimating Source Carbon from Crop Residues, Roots and Rhizodeposits Using the National Grain-Yield Database. 2006 , 98, 622-636	354
1385	Long-term continuous cropping, fertilisation, and manuring effects on physical properties and organic carbon content of a sandy loam soil. 2006 , 44, 487	62
1384	Net global warming potential and greenhouse gas intensity in irrigated cropping systems in northeastern Colorado. 2006 , 35, 1584-98	488
1383	Impactos de sistemas agroflorestais e convencional sobre a qualidade do solo no semi-árido cearense. 2006 , 30, 837-848	34
1382	Influence of Sodicity, Clay Mineralogy, Prewetting Rate, and Their Interaction on Aggregate Stability. 2006 , 70, 1825-1833	33
1381	Tillage and Nitrogen Effects on Soil Organic Matter Fractions in Wheat-based Systems. 2006 , 70, 1896-1905	36
1380	Short-term tillage practices on soil organic matter pools in a tropical Ultisol. 2006 , 44, 687	10
1379	Soil aggregate and its response to land management practices. 2006 , 4, 211-219	25
1378	Does disturbance and restoration of alpine grassland soils affect the genetic structure and diversity of bacterial and N ₂ -fixing populations?. 2006 , 8, 1889-901	20
1377	A laboratory investigation of the release of a conservative tracer and herbicide from topsoil aggregates under varying rainfall intensities. 2006 , 16, 175-182	7

1376	Aggregation of a soil with different cropping histories following the addition of organic materials. 2006 , 17, 263-268	4
1375	Influence of the addition of organic residues on carbohydrate content and structural stability of some highland soils in Ethiopia. 2006 , 18, 404-411	5
1374	Managing soil fertility in organic farming systems. 2006 , 18, 239-247	42
1373	Managing soil organic matter – implications for soil structure on organic farms. 2006 , 18, 284-292	13
1372	Effects of organic versus conventional arable farming on soil structure and organic matter dynamics in a marine loam in the Netherlands. 2006 , 19, 157-165	13
1371	Effects of vegetation cover on the tendency of soil to crust in South Africa. 2006 , 20, 308-317	
1370	Water-stable aggregates and organic matter pools in a calcareous vineyard soil under four soil-surface management systems. 2006 , 20, 318-324	27
1369	Long-term effects of fallow, tillage and manure application on soil organic matter and nitrogen fractions and on sorghum yield under Sudano-Sahelian conditions. 2006 , 21, 25-31	
1368	Phylogeny of arbuscular mycorrhizal fungi predicts community composition of symbiosis-associated bacteria. 2006 , 57, 389-95	64
1367	Water repellence and soil aggregate dynamics in a loamy grassland soil as affected by texture. 2006 , 57, 235-246	46
1366	Quantifying water-stable soil aggregate turnover and its implication for soil organic matter dynamics in a model study. 2006 , 57, 693-707	85
1365	Roots, rhizosphere and soil: the route to a better understanding of soil science?. 2006 , 57, 2-12	301
1364	Aggregate-occluded black carbon in soil. 2006 , 57, 539-546	292
1363	Impact of crop residue location on carbon and nitrogen distribution in soil and in water-stable aggregates. 2006 , 57, 570-582	37
1362	Mycorrhizas and soil structure. 2006 , 171, 41-53	1001
1361	Physicochemical properties of earthworm casts and uningested parent soil from selected sites in southwestern Nigeria. 2006 , 28, 106-113	29
1360	Soil organic matter and related physical properties in a Mediterranean wheat-based rotation trial. 2006 , 87, 146-154	69
1359	Effect of different tillage systems on the quality and crop productivity of a clay-bam soil in semi-arid north-western Turkey. 2006 , 88, 95-106	31

1358	Long-term manuring and fertilization effects on soil organic carbon pools in a Typic Haplustept of semi-arid sub-tropical India. 2006 , 88, 180-192	224
1357	Root-soil adhesion as affected by crop species in a volcanic sandy soil of Mexico. 2006 , 90, 77-83	11
1356	Long-term management impacts on soil C, N and physical fertility. 2006 , 91, 30-38	202
1355	Long-term management impacts on soil C, N and physical fertility. 2006 , 91, 48-56	25
1354	Impact of agricultural inputs on soil organisms—a review. 2006 , 44, 379	293
1353	Mineralogy of the clay fraction of water-stable aggregates from dark gray forest soil. 2006 , 39, 71-83	1
1352	Microaggregation and stability of organic matter in the forest-steppe chernozems of the Volga region. 2006 , 39, 640-647	4
1351	Short-term Responses of Soil C and N Fractions to Tall Fescue Endophyte Infection. 2006 , 282, 153-164	22
1350	Effects of forest conversion into grassland on soil aggregate structure and carbon storage in Panama: evidence from soil carbon fractionation and stable isotopes. 2006 , 288, 217-232	78
1349	Long-term effect of fertilizer and manure application on soil-carbon sequestration and soil fertility under the wheat-wheat-maize cropping system in northwest China. 2006 , 75, 285-295	142
1348	Does Soil Carbon Loss in Biomass Production Systems Negate the Greenhouse Benefits of Bioenergy?. 2006 , 11, 979-1002	55
1347	The Nature and Longevity of Agricultural Impacts on Soil Carbon and Nutrients: A Review. 2006 , 9, 1364-1382	304
1346	Climate change impacts on groundwater recharge- uncertainty, shortcomings, and the way forward?. 2006 , 14, 637-647	168
1345	Spatial stratification of soil bacterial populations in aggregates of diverse soils. 2006 , 51, 404-11	114
1344	Distribution of extensive nifH gene diversity across physical soil microenvironments. 2006 , 51, 441-52	59
1343	Long-term management impacts on soil C, N and physical fertility. 2006 , 91, 39-47	122
1342	Effect of manure and fertilizer application on the distribution of organic carbon in different soil fractions in long-term field experiments. 2006 , 25, 280-288	92
1341	Human impact on the hydrology of the Andean páramos. 2006 , 79, 53-72	322

1340	Organic matter status and the size, activity and metabolic diversity of the soil microbial community in the row and inter-row of sugarcane under burning and trash retention. 2006 , 38, 21-31	52
1339	Fungal biomass development in a chronosequence of land abandonment. 2006 , 38, 51-60	190
1338	Eubacterial communities in different soil macroaggregate environments and cropping systems. 2006 , 38, 720-728	38
1337	Do growth yield efficiencies differ between soil microbial communities differing in fungal:bacterial ratios? Reality check and methodological issues. 2006 , 38, 837-844	186
1336	Endogeic earthworms differentially influence bacterial communities associated with different soil aggregate size fractions. 2006 , 38, 1608-1614	41
1335	Aggregate stability and microbial community dynamics under drying-wetting cycles in a silt loam soil. 2006 , 38, 2053-2062	208
1334	Storage and dynamics of carbon and nitrogen in soil physical fractions following woody plant invasion of grassland. 2006 , 38, 3184-3196	163
1333	Organic matter turnover in soil physical fractions following woody plant invasion of grassland: Evidence from natural ¹³ C and ¹⁵ N. 2006 , 38, 3197-3210	161
1332	Activities of extracellular enzymes in physically isolated fractions of restored grassland soils. 2006 , 38, 3245-3256	268
1331	Effects of past, present and future atmospheric CO ₂ concentrations on soil organic matter dynamics in a chaparral ecosystem. 2006 , 38, 3235-3244	16
1330	Organic matter in density fractions of water-stable aggregates in silty soils: Effect of land use. 2006 , 38, 3222-3234	154
1329	Enhancing crop yields in the developing countries through restoration of the soil organic carbon pool in agricultural lands. 2006 , 17, 197-209	530
1328	Carbon sequestration in California agriculture, 1980-2000. 2006 , 16, 1975-85	56
1327	Dynamics of Aggregate Stability Influenced by Soil Management and Crop Residues. 2006 , 37, 2565-2575	2
1326	Management Practice Effects on Surface Total Carbon: Differences in Spatial Variability Patterns. 2006 , 98, 1559-1568	27
1325	Wet Aggregate Stability of Some Botswana Soil Profiles. 2006 , 20, 15-28	5
1324	Bacterial and Fungal Contributions to Carbon Sequestration in Agroecosystems. 2006 , 70, 555-569	1146
1323	Mechanisms of C Sequestration in Soils of Latin America. 2006 , 25, 337-365	59

1322	Potential Soil Carbon Sequestration and CO ₂ Offset by Dedicated Energy Crops in the USA. 2006 , 25, 441-472	99
1321	Impact of Soil Management on Organic Carbon Content and Aggregate Stability. 2007 , 38, 1673-1690	24
1320	Dry Combustion Carbon, Walkley-Black Carbon, and Loss on Ignition for Aggregate Size Fractions on a Toposequence. 2007 , 38, 2005-2012	8
1319	Interactive effects of plant species diversity and elevated CO ₂ on soil biota and nutrient cycling. 2007 , 88, 3153-63	32
1318	The effect of crop-pasture rotations on the C, N and S contents of soil aggregates and structural stability in a volcanic soil of south-central Chile. 2007 , 57, 255-262	5
1317	Cultivation-Induced Effects on the Soil Organomineral Matrix and Their Bearing on Crust Development on Two Soil Formations from Tanzania. 2007 , 39, 65-81	3
1316	Interactions between Vegetation, Roots, and Soil Stability in Restored High-altitude Ski Runs in the Alps. 2007 , 39, 25-33	44
1315	Understanding and Managing the Rhizosphere in Agroecosystems. 2007 , 127-153	17
1314	Contributions of Arbuscular Mycorrhizas to Soil Biological Fertility. 2007 , 129-162	8
1313	The spatial differences in arylsulfatase enzyme activity on hillslopes along a climatic transect. 2007 , 45, 288	
1312	Aggregate Associated Sulfur Fractions in Long-Term (>80 Years) Fertilized Soils. 2007 , 71, 163-170	26
1311	Long-term effects of different land use and soil management on various organic carbon fractions in an Inceptisol of subtropical India. 2007 , 45, 33	16
1310	Effects of 15 years of conservation tillage on soil structure and productivity of wheat cultivation in northern China. 2007 , 45, 344	117
1309	CHANGES IN ORGANIC CARBON AND PHYSICAL PROPERTIES OF SOIL AGGREGATES UNDER FIBER FARMING. 2007 , 172, 553-564	9
1308	Farmer perceptions of soil quality and their relationship to management-sensitive soil parameters. 2007 , 22, 271-281	21
1307	Soil fauna and soil function in the fabric of the food web. 2007 , 50, 447-462	105
1306	This ped is my ped: Visual separation and near infrared spectra allow determination of the origins of soil macroaggregates. 2007 , 51, 75-87	78
1305	Influence of some physicochemical and biological parameters on soil structure formation in alluvial soils. 2007 , 43, 57-70	42

1304	Agricultural opportunities to mitigate greenhouse gas emissions. 2007 , 150, 107-24	380
1303	Water-drop stability of PVA-treated natural soil aggregates from different land uses. 2007 , 70, 475-479	21
1302	The organic carbon derived from sewage sludge as a key parameter determining the fate of trace metals. 2007 , 69, 636-43	11
1301	Soil organic carbon pool under native tree plantations in the Caribbean lowlands of Costa Rica. 2007 , 241, 134-144	27
1300	Changes in soil properties, tree growth, and nutrition over a period of 10 years after stump removal and scarification on moderately coarse soils in interior British Columbia. 2007 , 242, 625-635	49
1299	Changes in organic matter-mineral interactions for marine sediments with varying oxygen exposure times. 2007 , 71, 3545-3556	84
1298	Mineral control of carbon pools in a volcanic soil horizon. 2007 , 137, 477-489	105
1297	Fungal mitigation of soil erosion following burning in a semi-arid Arizona savanna. 2007 , 138, 79-85	20
1296	Interdisciplinarity of hydrogeology. 2007 , 138, 252-260	31
1295	Self-similar organization of Vertisol microstructure: A pore-solid fractal interpretation. 2007 , 138, 185-190	9
1294	Soil physical properties and their relations to organic carbon pools as affected by land use in an alpine pastureland. 2007 , 139, 98-105	106
1293	Integrating scientific and farmers' evaluation of soil quality indicators in Central Kenya. 2007 , 139, 134-143	86
1292	Temporal dynamics in arylsulfatase enzyme activity in various microenvironments along a climatic transect in Israel. 2007 , 140, 30-41	19
1291	Multi-scale variability in soil aggregate stability: Implications for understanding and predicting semi-arid grassland degradation. 2007 , 140, 106-118	39
1290	Regional assessment of soil organic carbon changes under agriculture in Southern Belgium (1955-2005). 2007 , 141, 341-354	129
1289	Effects of land terracing on soil properties in the Priorat region in Northeastern Spain: A multivariate analysis. 2007 , 142, 251-261	39
1288	Influence of mediterranean cereal-based rotations on soil micromorphological characteristics. 2007 , 142, 318-324	14
1287	Wind erosion quantity and quality of an Entic Haplustoll of the semi-arid pampas of Argentina. 2007 , 69, 29-39	36

1286	Quantification of bacterial RubisCO genes in soils by cbbL targeted real-time PCR. 2007 , 69, 497-503	63
1285	Relationship Between Water-Stable Aggregates and Nutrients in Black Soils After Reclamation . 2007 , 17, 538-544	12
1284	Paddy Soil Stability and Mechanical Properties as Affected by Long-Term Application of Chemical Fertilizer and Animal Manure in Subtropical China. 2007 , 17, 568-579	53
1283	Soil Properties and Characteristics of Soil Aggregate in Marginal Farmlands of Oasis in the Middle of Hexi Corridor Region, Northwest China. 2007 , 6, 706-714	18
1282	Influence of Conservation Tillage on Soil Aggregates Features in North China Plain. 2007 , 6, 1099-1106	13
1281	Soil-aggregate formation as influenced by clay content and organic-matter amendment. 2007 , 170, 173-180	94
1280	Mineralization of Nitrogen in Soils Amended with Dairy Manure as Affected by Wetting/Drying Cycles. 2007 , 38, 2103-2116	25
1279	Chapter 17 The Cohesion of Fractal Agglomerates: An Elementary Numerical Model. 2007 , 12, 741-791	1
1278	The Impacts of Grazing Animals on the Quality of Soils, Vegetation, and Surface Waters in Intensively Managed Grasslands. 2007 , 94, 237-280	210
1277	Quantitative and qualitative characterization of soil organic matter in the long-term fallow experiment with different fertilization and tillage. 2007 , 53, 241-251	10
1276	Nutrient content of maize and soil organic matter status under various tillage methods and farmyard manure levels. 2007 , 57, 349-356	1
1275	Progress in soil organic matter research: litter decomposition, modelling, monitoring and sequestration. 2007 , 31, 131-154	43
1274	Boiling Potassium Chlorideâ€Extractable Nitrogen as an Index of Potentially Mineralizable and Plant-Available Nitrogen in Soil. 2007 , 38, 871-884	
1273	Soils: A Contemporary Perspective. 2007 , 32, 99-129	149
1272	Impact of tillage and crop rotation on light fraction and intra-aggregate soil organic matter in two Oxisols. 2007 , 95, 196-206	115
1271	Root Functional Architecture: A Framework for Modeling the Interplay between Roots and Soil. 2007 , 6, 269-281	129
1270	Soil Aggregation, Aggregate Carbon and Nitrogen, and Moisture Retention Induced by Conservation Tillage. 2007 , 71, 793-802	67
1269	Spatial Variability of Aggregate-Associated Carbon and Nitrogen Contents in the Reclaimed Minesoils of Eastern Ohio. 2007 , 71, 1748-1757	23

1268	Impact of High-Lignin Fermentation Byproduct on Soils with Contrasting Organic Carbon Content. 2007 , 71, 1151-1159	11
1267	Pore Occlusion by Sugars and Lipids as a Possible Mechanism of Aggregate Stability in Amended Soils. 2007 , 71, 1831-1839	11
1266	Management Practice Effects on Surface Soil Total Carbon: Differences along a Textural Gradient. 2007 , 99, 18-26	30
1265	Colloid mobilization and arsenite transport in soil columns: effect of ionic strength. 2007 , 36, 1273-80	24
1264	Effect of Winter Wheat Crop Residue on No-Till Corn Growth and Development. 2007 , 99, 549-555	25
1263	Aggregation and Aggregate Carbon in a Forested Southeastern Coastal Plain Spodosol. 2007 , 71, 1779-1787	52
1262	Edaphic Controls on Soil Organic Carbon Retention in the Brazilian Cerrado: Soil Structure. 2007 , 71, 1215-1224	20
1261	Tillage and Cover Cropping Effects on Aggregate-Protected Carbon in Cotton and Tomato. 2007 , 71, 362-371	30
1260	Caracteriza�� de agregados em um Latossolo Vermelho distrofo trico t�ico submetido a diferentes doses de vinha�. 2007 , 31, 1255-1260	3
1259	Atributos microbianos e qu�micos do solo em sistemas de produ�� convencional e org�nico de ma�� no estado de Santa Catarina. 2007 , 31, 655-665	11
1258	Scanning Electron Microscopy�Energy Dispersive Scan Analyses and Rheological Investigations of South-Brazilian Soils. 2007 , 71, 851-859	39
1257	Influ�ncia de rota��es de culturas nas propriedades f�sico-h�micas de um Latossolo Vermelho em plantio direto. 2007 , 27, 665-674	13
1256	Alter��es do solo influenciadas pelo tr�fego e carga de um "forwarder" nas entrelinhas de uma floresta de eucalipto. 2007 , 31, 371-377	16
1255	Particulate Organic Matter and Water-Stable Aggregation of Soil under Contrasting Management. 2007 , 71, 766-776	54
1254	Aggregate Disintegration and Wettability for Long-Term Management Systems in the Northern Appalachians. 2007 , 71, 759-765	26
1253	Regional Assessment of Soil Compaction and Structural Properties under No-tillage Farming. 2007 , 71, 1770-1778	31
1252	Processes affecting transfer of sediment and colloids, with associated phosphorus, from intensively farmed grasslands: erosion. 2007 , 21, 135-139	24
1251	Tillage impacts on soil biological activity and aggregation in a Brazilian Cerrado Oxisol. 2007 , 92, 114-121	108

1250	Relationship between soil structure and runoff/soil loss after 24 years of conservation tillage. 2007 , 92, 122-128	154
1249	Soil properties and crop yields on a vertisol in India with application of distillery effluent. 2007 , 92, 60-68	50
1248	Long-term farmyard manure application effects on properties of a silty clay loam soil under irrigated wheatâsoybean rotation. 2007 , 94, 386-396	100
1247	Impact of sugarcane cultivation on soil carbon fractions, consistence limits and aggregate stability of a Yellow Latosol in Northeast Brazil. 2007 , 94, 420-424	34
1246	Aggregate associated carbon, nitrogen and sulfur and their ratios in long-term fertilized soils. 2007 , 95, 161-171	46
1245	Soil structure and organic carbon relationships following 10 years of wheat straw management in no-till. 2007 , 95, 240-254	170
1244	Carbon management index based on physical fractionation of soil organic matter in an Acrisol under long-term no-till cropping systems. 2007 , 96, 195-204	124
1243	Carbon and nitrogen distribution in water-stable aggregates under two tillage techniques in Fluvisols of Owerri area, southeastern Nigeria. 2007 , 97, 195-206	44
1242	Lignin from rice straw Kraft pulping: effects on soil aggregation and chemical properties. 2007 , 98, 1482-8	36
1241	Sludge-derived organic carbon in an agricultural soil estimated by ¹³ C abundance measurements. 2007 , 58, 166-173	7
1240	Erodibility of Mediterranean vineyard soils: relevant aggregate stability methods and significant soil variables. 2007 , 58, 188-195	99
1239	Dynamics of aggregate stability and biological binding agents during decomposition of organic materials. 2007 , 58, 239-247	114
1238	MIOR: an individual-based model for simulating the spatial patterns of soil organic matter microbial decomposition. 2007 , 58, 1127-1135	27
1237	Soil biota, ecosystem services and land productivity. 2007 , 64, 269-285	526
1236	Evolution of some physical properties related to soil quality in the degraded ecosystems of "ra^ a" formations from SW Spain. 2007 , 378, 130-2	12
1235	Losses of glomalin-related soil protein under prolonged arable cropping: A chronosequence study in sandy soils of the South African Highveld. 2007 , 39, 445-453	54
1234	Microaggregate-associated carbon as a diagnostic fraction for management-induced changes in soil organic carbon in two Oxisols. 2007 , 39, 1165-1172	169
1233	SOM fractionation methods: Relevance to functional pools and to stabilization mechanisms. 2007 , 39, 2183-2207	898

1232	Nano-scale secondary ion mass spectrometry âA new analytical tool in biogeochemistry and soil ecology: A review article. 2007 , 39, 1835-1850	152
1231	Soil microstructure and factors of its formation. 2007 , 40, 649-659	6
1230	The effect of phytoamelioration on the fertility of chernozems in the Trans-Ural part of Bashkiria. 2007 , 40, 1087-1094	1
1229	Assessing the microbiological, biochemical, soil-physical and hydrological effects of amelioration of degraded soils in semiarid Spain. 2007 , 62, 542-546	8
1228	Organic matter and soil tilth in arable farming: Management makes a difference within 5â years. 2007 , 122, 157-172	60
1227	Changes in soil carbon and nutrient pools along a chronosequence of poplar plantations in the Columbia Plateau, Oregon, USA. 2007 , 122, 325-339	124
1226	The Role of Crop Residues in Improving Soil Fertility. 2007 , 183-214	25
1225	Soil aggregation, and total and particulate organic matter following conversion of native forests to continuous cultivation in Ethiopia. 2007 , 94, 101-108	116
1224	Soil microbial activity, aggregation and nutrient responses to straw pulping liquor in corn cropping. 2007 , 43, 709-719	6
1223	Responses of microbial biomass and respiration of soil to topography, burning, and nitrogen fertilization in a temperate steppe. 2007 , 44, 259-268	52
1222	Carbon Management in Agricultural Soils. 2007 , 12, 303-322	146
1221	Tree species and wood ash affect soil in Michiganâ Upper Peninsula. 2007 , 298, 125-144	17
1220	The effects of land use changes on some soil properties in Inâ Mountain Pass--Cankiri, Turkey. 2008 , 136, 101-19	30
1219	Soil aggregates control N cycling efficiency in long-term conventional and alternative cropping systems. 2007 , 79, 45-58	29
1218	Soil carbon storage and nitrogen and phosphorous availability in loblolly pine plantations over 4 to16 years of herbicide and fertilizer treatments. 2007 , 84, 13-30	27
1217	Role of proteins in soil carbon and nitrogen storage: controls on persistence. 2007 , 85, 25-44	195
1216	Organic matter stabilization in soil microaggregates: implications from spatial heterogeneity of organic carbon contents and carbon forms. 2007 , 85, 45-57	253
1215	Mechanisms controlling soil carbon turnover and their potential application for enhancing carbon sequestration. 2007 , 80, 5-23	449

1214	Species richness and biomass of understory vegetation in a <i>Eucalyptus globulus</i> Labill. coppice as affected by slash management. 2007 , 126, 475-480	17
1213	Land-Use Intensity Effects on Soil Organic Carbon Accumulation Rates and Mechanisms. 2007 , 10, 59-74	274
1212	Influence of soil organic matter contents on soil water characteristics of forests on east slope of Gongga Mountain. 2007 , 18, 78-80	3
1211	Forensic analysis of soil and sediment traces by scanning electron microscopy and energy-dispersive X-ray analysis: an experimental investigation. 2007 , 165, 52-63	40
1210	Storage and forms of organic carbon in a no-tillage under cover crops system on clayey Oxisol in dryland rice production (Cerrados, Brazil). 2007 , 94, 122-132	37
1209	Impacts of periodic tillage on soil C stocks: A synthesis. 2007 , 95, 1-10	130
1208	Improved legume tree fallows and tillage effects on structural stability and infiltration rates of a kaolinitic sandy soil from central Zimbabwe. 2007 , 96, 182-194	24
1207	Effect of straw and plastic film management under contrasting tillage practices on the physical properties of an erodible loess soil. 2008 , 98, 113-119	33
1206	Mulching effects on selected soil physical properties. 2008 , 98, 106-111	299
1205	Tillage and drainage impact on soil quality: I. Aggregate stability, carbon and nitrogen pools. 2008 , 100, 89-98	66
1204	Soil tillage and fertilization of Orthic Luvisol and their influence on chemical properties, soil structure stability and carbon distribution in water-stable macro-aggregates. 2008 , 100, 125-132	35
1203	Stabilization of recent soil carbon in the humid tropics following land use changes: evidence from aggregate fractionation and stable isotope analyses. 2008 , 87, 247-263	48
1202	Soil aggregates in a tropical deciduous forest: effects on C and N dynamics, and microbial communities as determined by t-RFLPs. 2008 , 89, 209-220	16
1201	Aggregation and C and N contents of soil organic matter fractions in a permanent raised-bed planting system in the Highlands of Central Mexico. 2008 , 305, 237-252	84
1200	Surface soil carbon size and density fractions altered by loblolly pine families and forest management intensity for a Spodosol in the southeastern US. 2008 , 307, 99-111	20
1199	Chemical composition of forest floor and consequences for nutrient availability after wildfire and harvesting in the boreal forest. 2008 , 308, 37-53	51
1198	Fungi and macroaggregation in deep-sea sediments. 2008 , 56, 168-77	65
1197	Soil organic carbon pools and productivity in relation to nutrient management in a 20-year-old rice-barseem agroecosystem. 2008 , 44, 451-461	73

1196	Salinity and sodicity effects on respiration and microbial biomass of soil. 2008 , 44, 943-953	181
1195	Do nitrogen isotope patterns reflect microbial colonization of soil organic matter fractions?. 2008 , 44, 955-964	29
1194	Effect of soil crust on evaporation and dew deposition in Mu Us sandy land, China. 2008 , 2, 480-486	15
1193	A transport-distance approach to scaling erosion rates: 1. Background and model development. 2008 , 33, 813-826	78
1192	Soil properties and landscape factors affecting maize yield under wet spring conditions in eastern Canada. 2008 , 99, 134-144	8
1191	Aggregate associated-C and physical protection in a tropical clayey soil under Malagasy conventional and no-tillage systems. 2008 , 98, 140-149	94
1190	Soil physical properties and wheat root growth as affected by no-tillage and conventional tillage systems in a Mediterranean environment of Chile. 2008 , 99, 232-244	126
1189	Carbon contents and aggregation related to soil physical and biological properties under a land-use sequence in the semiarid region of central Argentina. 2008 , 99, 179-190	47
1188	Cropping system effects on carbohydrate content and water-stable aggregates in a calcareous soil of Central Iran. 2008 , 101, 57-61	19
1187	Aggregate breakdown during tillage in a Mediterranean loamy soil. 2008 , 101, 62-68	39
1186	Soil-erosion and runoff prevention by plant covers. A review. 2008 , 28, 65-86	415
1185	Changes in soil properties at different levels of soil structural arrangement under the impact of irrigation. 2008 , 41, 1469-1479	1
1184	Organic Matter Stimulates Bacteria and Arbuscular Mycorrhizal Fungi in Bauhinia purpurea and Leucaena diversifolia Plantations on Eroded Slopes in Nepal. 2008 , 16, 79-87	30
1183	Effects of ploughing frequency and compost on soil aggregate stability in a cottonâthaize (Gossypium hirsutum-Zea mays) rotation in Burkina Faso. 2008 , 24, 19-28	13
1182	Sustainable agricultural development in sub-Saharan Africa: the case for a paradigm shift in land husbandry. 2008 , 24, 92-99	97
1181	The quality of exogenous organic matter: short-term effects on soil physical properties and soil organic matter fractions. 2008 , 24, 139-147	57
1180	An experimental study of crust development on chalk downland soils and their impact on runoff and erosion. 2008 , 59, 784-798	18
1179	Effects of mineral surface iron on the CPMAS ¹³ C-NMR spectroscopic detection of organic matter from soil fractions in an agricultural topsoil with different amendments. 2008 , 59, 592-599	4

1178	Using soil knowledge for the evaluation of mid-infrared diffuse reflectance spectroscopy for predicting soil physical and mechanical properties. 2008 , 59, 960-971	60
1177	Modified technique to assess the wettability of soil aggregates: comparison with contact angles measured on crushed aggregates and bulk soil. 2008 , 59, 1241-1252	18
1176	Tropical forest and savanna ecosystems show differential impact of N and P additions on soil organic matter and aggregate structure. 2008 , 14, 2572-2581	32
1175	Test systems to determine the ecological risks posed by toxin release from <i>Bacillus thuringiensis</i> genes in crop plants. 2008 , 3, 81-89	65
1174	Organic carbon stratification and size distribution of three typical paddy soils from Taihu Lake Region, China. 2008 , 20, 456-63	31
1173	Distribution of organic pollutants and natural organic matter in urban storm water sediments as a function of grain size. 2008 , 403, 178-87	53
1172	Drying and rewetting effects on soil microbial community composition and nutrient leaching. 2008 , 40, 302-311	253
1171	Organic matter stabilization in soil aggregates and rock fragments as revealed by low-temperature ashing (LTA) oxidation. 2008 , 40, 1379-1389	8
1170	Soil microbial biomass response to woody plant invasion of grassland. 2008 , 40, 1207-1216	98
1169	Effect of litter quality and soil fungi on macroaggregate dynamics and associated partitioning of litter carbon and nitrogen. 2008 , 40, 1823-1835	85
1168	Revisiting classic water erosion models in drylands: The strong impact of biological soil crusts. 2008 , 40, 2309-2316	100
1167	Small-scale heterogeneity in carbon dioxide, nitrous oxide and methane production from aggregates of a cultivated sandy-loam soil. 2008 , 40, 2468-2473	96
1166	References. 2008 , 637-768	
1165	Fulvic acid sorption on muscovite mica as a function of pH and time using in situ X-ray reflectivity. 2008 , 24, 7817-29	18
1164	Chemical changes to nonaggregated particulate soil organic matter following grassland-to-woodland transition in a subtropical savanna. 2008 , 113,	79
1163	Suspended sediments in river ecosystems: Photochemical sources of dissolved organic carbon, dissolved organic nitrogen, and adsorptive removal of dissolved iron. 2008 , 113,	39
1162	Climatic Changes and Water Resources in the Middle East and North Africa. 2008 ,	9
1161	Chapter 6 Combining Biomarker with Stable Isotope Analyses for Assessing the Transformation and Turnover of Soil Organic Matter. 2008 , 155-250	246

1160	Boreal Forest and Climate Change. 2008 ,	26
1159	Soil faunal activity of an oil-polluted tropical alfisol amended with organic wastes as determined by micromorphological observations. 2008 , 39, 46-57	4
1158	Tillage and irrigation effects on crop yields and soil properties under the rice-wheat system in the Indian Himalayas. 2008 , 95, 993-1002	61
1157	Evaluation of system of rice intensification (SRI) component practices and their synergies on salt-affected soils. 2008 , 109, 34-44	39
1156	Effects of harrowing and fertilisation on understory vegetation and timber production of a <i>Eucalyptus globulus</i> Labill. plantation in Central Portugal. 2008 , 255, 591-597	23
1155	Protection of organic carbon in soil microaggregates via restructuring of aggregate porosity and filling of pores with accumulating organic matter. 2008 , 72, 4725-4744	124
1154	Texture and sesquioxide effects on water-stable aggregates and organic matter in some tropical soils. 2008 , 143, 14-25	132
1153	Influence of <i>Acacia caven</i> (Mol) coverage on carbon distribution and its chemical composition in soil organic carbon fractions in a Mediterranean-type climate region. 2008 , 144, 352-360	18
1152	Soil management effects on aggregate stability and biological binding. 2008 , 144, 455-467	46
1151	Complexed organic matter controls soil physical properties. 2008 , 144, 620-627	220
1150	Corn stover removal impacts on micro-scale soil physical properties. 2008 , 145, 335-346	41
1149	Tillage and cropping intensification effects on soil aggregation: Temporal dynamics and controlling factors under semiarid conditions. 2008 , 145, 390-396	69
1148	Morphology, lacunarity and entropy of intra-aggregate pores: Aggregate size and soil management effects. 2008 , 146, 83-93	54
1147	Chemical and physical properties of earthworm casts as compared to bulk soil under a range of different land-use systems in Vietnam. 2008 , 146, 231-238	77
1146	Using light fraction and macroaggregate associated organic matters as early indicators for management-induced changes in soil chemical and biological properties in adjacent native and plantation forests of subtropical Australia. 2008 , 147, 116-125	43
1145	Surface microtopography and soil penetration resistance associated with shrub patches in a semiarid rangeland. 2008 , 94, 69-78	39
1144	Effects of agricultural practices on the hydrodynamics of a deep tilled hardened volcanic ash-soil (Cangahua) in Ecuador. 2008 , 72, 179-190	8
1143	A simultaneous model for ultrasonic aggregate stability assessment. 2008 , 74, 153-164	22

1142	Aggregation of under canopy and bare soils in a Mediterranean environment affected by different fire intensities. 2008 , 74, 212-218	18
1141	Soil Aggregation and Its Relationship with Organic Carbon of Purple Soils in the Sichuan Basin, China. 2008 , 7, 987-998	11
1140	Aggregate Characteristics During Natural Revegetation on the Loess Plateau . 2008 , 18, 809-816	30
1139	Soil health in agricultural systems. 2008 , 363, 685-701	494
1138	Quantitative Approaches to Characterizing Natural Chemical Weathering Rates. 2008 , 469-543	15
1137	Effect of Vegetable, Fruit And Garden (VFG) Waste Compost on Soil Physical Properties. 2008 , 16, 43-51	22
1136	Fate of prions in soil: interactions of RecPrP with organic matter of soil aggregates as revealed by LTA-PAS. 2008 , 42, 728-33	26
1135	Hydropedology and Surface/Subsurface Runoff Processes. 2008 ,	14
1134	Land use effects on soil quality indicators in north-eastern Iran. 2008 , 46, 27	53
1133	Agronomic Management of Indigenous Mycorrhizas. 2008 , 375-402	3
1132	The role of topography and soil characteristics in the relationship between species richness and primary productivity in a Kansas grassland. 2008 , 111, 105-117	5
1131	Upland Erosion Modeling in a Semihumid Environment via the Water Erosion Prediction Project Model. 2008 , 134, 796-806	11
1130	Chapter 15 Saprotrophic basidiomycetes in grasslands: Distribution and function. 2008 , 28, 277-299	10
1129	Assessment of Sewage Application in Southeastern Nigeria: Part 1: Impact on Selected Soil Morphological and Physical Properties. 2008 , 37, 57-62	5
1128	Soil Aggregate Characteristics and Organic Carbon Concentration after 45 Annual Applications of Manure and Inorganic Fertilizer. 2008 , 25, 223-233	9
1127	Humification Process or Formation of Refractory Soil Organic Matter. 2008 , 89-125	5
1126	Physical carbon-sequestration mechanisms under special consideration of soil wettability. 2008 , 171, 14-26	125
1125	Evaluation of long-term soil management practices using key indicators and soil quality indices in a semi-arid tropical Alfisol. 2008 , 46, 368	68

1124	Repeated freeze-thaw cycles changed organic matter quality in a temperate forest soil. 2008 , 171, 707-718	48
1123	Setting the tempo in land remediation: short-term and long-term patterns in biodiversity recovery. 2008 , 23, 13-9	8
1122	Soil Organic Carbon Fractions and Aggregation in the Southern Piedmont and Coastal Plain. 2008 , 72, 221-230	64
1121	Residue Carbon Stabilization in Soil Aggregates of No-Till and Tillage Management of Dryland Cropping Systems. 2008 , 72, 507-513	46
1120	Organic Carbon Effects on Soil Physical and Hydraulic Properties in a Semiarid Climate. 2008 , 72, 1357-1362	36
1119	Soil Carbon Saturation Controls Labile and Stable Carbon Pool Dynamics. 2008 , 72, 605-612	225
1118	Indications for Soil Carbon Saturation in a Temperate Agroecosystem. 2008 , 72, 1132-1139	99
1117	No-Tillage and Soil-Profile Carbon Sequestration: An On-Farm Assessment. 2008 , 72, 693-701	350
1116	A generally applicable pedotransfer function that estimates field capacity and permanent wilting point from soil texture and bulk density. 2008 , 88, 761-774	28
1115	Soil organic carbon stocks in saline and sodic landscapes. 2008 , 46, 378	19
1114	Estabilidade de agregados de um latossolo vermelho tratado com cama de peru. 2008 , 32, 73-79	7
1113	Recuperaçã o da qualidade estrutural, pelo sistema plantio direto, de um Argissolo Vermelho. 2008 , 38, 2164-2172	7
1112	Intervalo hídrico ótimo em um latossolo vermelho distrofé rico sob diferentes sistemas de produçã o. 2008 , 28, 654-665	22
1111	Inter-relaçã o biomassa vegetal subterrânea-estabilidade de agregados-erosã o hídrica em solo submetido a diferentes formas de manejo. 2008 , 32, 1713-1722	7
1110	Estabilidade de agregados e distribuiçã o de carbono e nutrientes em Argissolo sob adubaçã o orgânica e mineral. 2008 , 43, 1221-1230	7
1109	Soil Aggregation and Microbial Responses to Straw Pulping Byproducts. 2008 , 72, 1471-1477	1
1108	Sample Pretreatment Affects the Distribution of Organic Carbon in Aggregates of Tropical Grassland Soils. 2008 , 72, 500-506	10
1107	The ability of <i>Distichlis spicata</i> to grow sustainably within a saline discharge zone while improving the soil chemical and physical properties. 2008 , 46, 37	13

1106	Incorporation of Nitrogen-15-Labeled Amendments into Physically Separated Soil Organic Matter Fractions. 2008 , 72, 949-959	23
1105	Physical and Hydraulic Properties of Engineered Soil Media for Bioretention Basins. 2008 , 51, 499-514	27
1104	Sucess ^o de culturas e sua influ ^{encia} nas propriedades f ^{is} icas do solo e na produtividade do feijoeiro de inverno irrigado, em diferentes sistemas de manejo do solo. 2008 , 67, 335-347	4
1103	Soil Aggregation and Biochemical Properties following the Application of Fresh and Composted Organic Amendments. 2008 , 72, 160-166	37
1102	Effects of native plant species, mycorrhizal inoculum, and mulch on restoration of reservoir sediment following dam removal, Elwha River, Olympic Peninsula, Washington. 2008 ,	
1101	Organic Matter and Water Stability of Field Aggregates Affected by Tillage in South Dakota. 2009 , 73, 197-206	41
1100	Separation of Coarse Organic Particles from Bulk Surface Soil Samples by Electrostatic Attraction. 2009 , 73, 2118-2130	29
1099	Statut poral des sols cultives dans la zone cotonniere ouest du Burkina Faso. 2009 , 20,	1
1098	Amelioration of the Physical Properties of Slate Processing Fines using Grape Marc Compost and Vermicompost. 2009 , 73, 1251-1260	17
1097	Carbon and Nitrogen Fractions in Dryland Soil Aggregates Affected by Long-term Tillage and Cropping Sequence. 2009 , 73, 1488-1495	49
1096	Short-Term Reducing Conditions Decrease Soil Aggregation. 2009 , 73, 550-559	40
1095	Soil Infrastructure, Interfaces & Translocation Processes in Inner Space ("Soil-it-is"): towards a road map for the constraints and crossroads of soil architecture and biophysical processes. 2009 , 13, 1485-1502	80
1094	Corn Stover Removal for Expanded Uses Reduces Soil Fertility and Structural Stability. 2009 , 73, 418-426	143
1093	Activities of Nitrogen-Mineralization Enzymes Associated with Soil Aggregate Size Fractions of Three Tillage Systems. 2009 , 73, 751-759	56
1092	Carbon content in Amazonian Oxisols after forest conversion to pasture. 2009 , 33, 1603-1611	13
1091	Uma vis ^o sobre qualidade do solo. 2009 , 33, 743-755	64
1090	Dairy Cattle Manure Improves Soil Productivity in Low Residue Rotation Systems. 2009 , 101, 207-214	29
1089	The effect of plantation silviculture on soil organic matter and particle-size fractions in Amazonia. 2009 , 33, 1593-1602	4

1088	Regional Study of No-Till Impacts on Near-Surface Aggregate Properties that Influence Soil Erodibility. 2009 , 73, 1361-1368	49
1087	Long-term effect of pastures on soil quality in acid soil of North-East India. 2009 , 47, 372	33
1086	Crop Residue Removal Impacts on Soil Productivity and Environmental Quality. 2009 , 28, 139-163	354
1085	Soil physical properties and infiltration after long-term no-tillage and ploughing on the Chinese Loess Plateau. 2009 , 37, 157-166	27
1084	Untangling the biological contributions to soil stability in semiarid shrublands. 2009 , 19, 110-22	125
1083	Fungal response from oat (<i>Avena sativa</i>) plants and surface residue in relation to soil aggregation and organic carbon. 2009 , 4, 167-178	4
1082	Organic amendments initiate the formation and stabilisation of macroaggregates in a high clay sodic soil. 2009 , 47, 770	28
1081	Revegetation on a Removed Topsoil: Effect on Aggregate Stability. 2009 , 40, 771-786	5
1080	Water-Stable Aggregation in Relation to the Normalized Stability Index. 2009 , 40, 800-814	5
1079	Aggregation stability and microbial activity of China's black soils under different long-term fertilisation regimes. 2009 , 52, 57-67	5
1078	Using Carbon Management Index to Assess the Impact of Compost Application on Changes in Soil Carbon after Ten Years of Rice-Wheat Cropping. 2009 , 40, 3491-3502	14
1077	Social interactions and distribution of <i>Bacillus subtilis</i> pterotypes at microscale. 2009 , 191, 1756-64	69
1076	Use of an integrative soil health test for evaluation of soil management impacts. 2009 , 24, 214-224	73
1075	Assessing management impacts on soil organic matter quality in subtropical Australian forests using physical and chemical fractionation as well as ¹³ C NMR spectroscopy. 2009 , 41, 640-650	23
1074	Changes in soil aggregation and glomalin-related soil protein content as affected by the arbuscular mycorrhizal fungal species <i>Glomus mosseae</i> and <i>Glomus intraradices</i> . 2009 , 41, 1491-1496	216
1073	Soil organic matter in soil physical fractions in adjacent semi-natural and cultivated stands in temperate Atlantic forests. 2009 , 41, 1674-1683	47
1072	Impact of roots, mycorrhizas and earthworms on soil physical properties as assessed by shrinkage analysis. 2009 , 373, 499-507	60
1071	Tolerable versus actual soil erosion rates in Europe. 2009 , 94, 23-38	417

1070	Storage and Turnover of Organic Matter in Soil. 219-272	81
1069	Seasonal soil aggregate stability variation in relation to rainfall and temperature under Mediterranean conditions. 2009 , 34, 860-866	33
1068	Soil organic carbon and nitrogen fractions and water-stable aggregation as affected by cropping and grassland reclamation in an arid sub-alpine soil. 2009 , 20, 176-186	22
1067	Physico-chemical changes in bauxite residue following application of spent mushroom compost and gypsum. 2009 , 20, 572-581	70
1066	Soil Carbon Turnover Measurement by Physical Fractionation at a Forest-to-Pasture Chronosequence in the Brazilian Amazon. 2009 , 12, 1212-1221	30
1065	Ecosystem engineering at the sediment-water interface: bioturbation and consumer-substrate interaction. 2009 , 161, 125-38	53
1064	Evaluating soil stabilisation by biological processes using step-wise aggregate fractionation. 2009 , 102, 209-215	12
1063	Crop type influences soil aggregation and organic matter under no-tillage. 2009 , 104, 22-29	44
1062	Changes of soil organic carbon and its fractions in relation to soil physical properties in a long-term fertilized paddy. 2009 , 104, 227-232	93
1061	Effects of 11 years of conservation tillage on soil organic matter fractions in wheat monoculture in Loess Plateau of China. 2009 , 106, 85-94	207
1060	Protection of soil organic C and N in temperate and tropical soils: effect of native and agroecosystems. 2009 , 92, 129-143	47
1059	Disentangling the impact of AM fungi versus roots on soil structure and water transport. 2009 , 314, 183-196	133
1058	Root, mycorrhiza and earthworm interactions: their effects on soil structuring processes, plant and soil nutrient concentration and plant biomass. 2009 , 316, 1-12	79
1057	Rhizosphere: biophysics, biogeochemistry and ecological relevance. 2009 , 321, 117-152	745
1056	Higher plant diversity enhances soil stability in disturbed alpine ecosystems. 2009 , 324, 91-102	151
1055	Effects of forest conversion on soil labile organic carbon fractions and aggregate stability in subtropical China. 2009 , 323, 153-162	128
1054	Effects of input level and crop diversity on soil nitrate-N, extractable P, aggregation, organic C and N, and nutrient balance in the Canadian Prairie. 2009 , 84, 1-22	48
1053	Effects of long-term fertilization and mulch on soil fertility in contour hedgerow systems: A case study on steeplands from the Three Gorges Area, China. 2009 , 84, 39-48	24

1052	Effect of Long-term Wastewater Application on Physical Soil Properties. 2009 , 196, 385-392	27
1051	Land use effects on microbial biomass C, β -glucosidase and β -glucosaminidase activities, and availability, storage, and age of organic C in soil. 2009 , 45, 487-497	38
1050	Dynamics of soil properties and organic carbon pool in topsoil of zokor-made mounds at an alpine site of the Qinghai-Tibetan Plateau. 2009 , 45, 865-872	25
1049	Alleviation of drought stress effects in sunflower seedlings by the exopolysaccharides producing <i>Pseudomonas putida</i> strain GAP-P45. 2009 , 46, 17-26	393
1048	Changes in soil aggregate, carbon, and nitrogen storages following the conversion of cropland to alfalfa forage land in the marginal oasis of northwest China. 2009 , 43, 1061-70	51
1047	Alteration of soil organic matter pools and aggregation in semi-arid steppe topsoils as driven by organic matter input. 2009 , 60, 198-212	71
1046	Investigating the effects of organic and conventional management on soil aggregate stability using X-ray computed tomography. 2009 , 60, 360-368	76
1045	Relevance and limitations of biogenic and physicogenic classification: a comparison of approaches for differentiating the origin of soil aggregates. 2009 , 60, 1117-1125	41
1044	Stimulation of microbial extracellular enzyme activities by elevated CO ₂ depends on soil aggregate size. 2009 , 15, 1603-1614	155
1043	Driving forces of soil organic carbon evolution at the landscape and regional scale using data from a stratified soil monitoring. 2009 , 15, 2981-3000	64
1042	Soil aggregation and carbon sequestration are tightly correlated with the abundance of arbuscular mycorrhizal fungi: results from long-term field experiments. 2009 , 12, 452-61	472
1041	Regenerating Topsoil Functionality in Four Drastically Disturbed Soil Types by Compost Incorporation. 2009 , 17, 24-32	52
1040	Biological weathering and the long-term carbon cycle: integrating mycorrhizal evolution and function into the current paradigm. 2009 , 7, 171-91	211
1039	Aggregate stability in organically and conventionally farmed soils. 2009 , 25, 284-292	27
1038	Modeling organic carbon dynamics under no-tillage and plowed systems in tropical soils of Brazil using CQESTR. 2009 , 102, 118-125	22
1037	Soil microbial biomass and mineralization of aggregate protected carbon in fallow-maize systems under conventional and no-tillage in Central Zimbabwe. 2009 , 102, 151-157	46
1036	Impact of reduced tillage on carbon and nitrogen storage of two Haplic Luvisols after 40 years. 2009 , 102, 158-164	98
1035	Stratification ratio of soil organic matter pools as an indicator of carbon sequestration in a tillage chronosequence on a Brazilian Oxisol. 2009 , 103, 46-56	141

1034	Tillage and drainage impact on soil quality: II. Tensile strength of aggregates, moisture retention and water infiltration. 2009 , 103, 364-372	68
1033	Effects of different sources of organic matter on soil aggregate formation and stability: A laboratory study on a Lithic Rhodoxeralf from Turkey. 2009 , 103, 419-424	44
1032	Effect of moisture and disaggregation on the microbial activity of soil. 2009 , 104, 317-319	12
1031	Distillery effluents effect on soil organic carbon and aggregate stability of a Vertisol in India. 2009 , 104, 241-246	29
1030	Changes in soil organic carbon, nutrients and aggregation after conversion of native desert soil into irrigated arable land. 2009 , 104, 263-269	50
1029	Impact of perennial pasture and tillage systems on carbon input and soil quality indicators. 2009 , 105, 260-268	36
1028	Influence of soil tillage systems on aggregate stability and the distribution of C and N in different aggregate fractions. 2009 , 105, 192-199	92
1027	Soil and carbon losses from five different land management areas under simulated rainfall. 2009 , 106, 62-70	37
1026	Effect of aggregate structure on VOC gas adsorption onto volcanic ash soil. 2009 , 166, 207-12	7
1025	The effects of vegetation on restoration of physical stability of a severely degraded soil in China. 2009 , 35, 723-734	26
1024	The impact of soil management on aggregation, carbon stabilization and carbon loss as CO ₂ in the surface layer of a Rhodic Ferralsol in Southern Brazil. 2009 , 132, 243-251	71
1023	Water stability of aggregates in subtropical and tropical soils (Georgia and China) and its relationships with the mineralogy and chemical properties. 2009 , 42, 415-425	15
1022	Do soil aggregates really protect encapsulated organic matter against microbial decomposition?. 2009 , 64, 443-448	24
1021	Soil structure changes: aggregate size and soil texture effects on hydraulic conductivity under different saline and sodic conditions. 2009 , 47, 688	57
1020	Carbon storage in a Ferrosol under subtropical rainforest, tree plantations, and pasture is linked to soil aggregation. 2009 , 47, 341	13
1019	Long-term effects of poultry litter and conservation tillage on crop yields and soil phosphorus in cotton-cotton-orn rotation. 2009 , 114, 311-319	19
1018	Aggregate stability in range sandy loam soils Relationships with runoff and erosion. 2009 , 77, 192-199	118
1017	Colloidal stability in some tropical soils of southeastern Nigeria as affected by iron and aluminium oxides. 2009 , 77, 232-237	56

1016	Snowmelt runoff parameters and geochemical migration of elements in the dissected forest-steppe of West Siberia. 2009 , 78, 122-128	9
1015	Soil microaggregates stability under different land use types in southeastern Nigeria. 2009 , 79, 103-112	22
1014	Soil acidity determines the effectiveness of an organic amendment and a native bacterium for increasing soil stabilisation in semiarid mine tailings. 2009 , 74, 239-44	9
1013	Does harvest residue management influence biomass and nutrient accumulation in understory vegetation of Eucalyptus globulus Labill. plantations in a Mediterranean environment?. 2009 , 257, 527-535	20
1012	Do fungi have a role as soil stabilizers and remediators after forest fire?. 2009 , 257, 1063-1069	49
1011	Long-term manure and fertilizer effects on soil organic matter fractions and microbes under a wheatâ€”maize cropping system in northern China. 2009 , 149, 318-324	199
1010	Soil structure stability under conventional and reduced tillage in a sandy loam. 2009 , 150, 64-71	49
1009	Does an increase in soil organic carbon improve the filtering capacity of aggregated soils for organic pesticides? â€”A case study. 2009 , 152, 187-193	16
1008	Study of the aggregation of the surface layer of Technosols from stormwater infiltration basins using grain size analyses with laser diffractometry. 2009 , 153, 163-171	26
1007	The effect of long-term soil management on the physical and biological resilience of a range of arable and grassland soils in England. 2009 , 153, 172-185	91
1006	Influence of soil texture and cultivation on carbon and nitrogen levels in soils of the eastern Indo-Gangetic Plains. 2009 , 153, 304-311	33
1005	Aggregate stability and related properties in NW Patagonian Andisols. 2009 , 154, 42-47	23
1004	The future of soils and land use in the UK: Soil systems for the provision of land-based ecosystem services. 2009 , 26, S187-S197	139
1003	Carbon dynamics of sodic and saline soils following gypsum and organic material additions: A laboratory incubation. 2009 , 41, 29-40	153
1002	Earthworm populations in relation to soil organic matter dynamics and management in California tomato cropping systems. 2009 , 41, 206-214	59
1001	The Chemistry and Mineralogy of Plant and Soil Interactions: Plant as Manipulators of Their Environment. 2009 , 171-254	
1000	Terrestrial Biological Carbon Sequestration: Science for Enhancement and Implementation. 2009 , 73-88	10
999	Chemical and isotopic characterization of size-fractionated organic matter from cryoturbated tundra soils, northern Alaska. 2009 , 114,	50

998	Ecogeomorphic Feedbacks in Semiarid Rangelands: A Review. 2009 , 19, 217-229	57
997	Combining Ridge with No-Tillage in Lowland Rice-Based Cropping System: Long-Term Effect on Soil and Rice Yield. 2009 , 19, 515-522	35
996	Carbon sequestration under Miscanthus: a study of ¹³ C distribution in soil aggregates. 2009 , 1, 321-330	49
995	Carbon Sequestration Processes in Temperate Soils With Different Chemical Properties and Management Histories. 2009 , 174, 45-55	11
994	Soil and Plant Property Differences Across a Chronosequence of Humid-Temperate Tallgrass Prairie Restorations. 2009 , 174, 346-357	21
993	Aggregate stability of salt-affected kaolinitic soils on the North-east Plateau, Thailand. 2009 , 47, 697	6
992	Soil organic carbon and physical quality as influenced by long-term application of residue and mineral fertiliser in the North China Plain. 2009 , 47, 585	31
991	Soil Aggregation and Soil Organic Carbon Stabilization: Effects of Management in Semiarid Mediterranean Agroecosystems. 2009 , 73, 1519-1529	80
990	Carbon (1s) NEXAFS Spectroscopy of Biogeochemically Relevant Reference Organic Compounds. 2009 , 73, 1817-1830	127
989	Influence of conservation tillage practices on soil properties and crop yields for maize and wheat cultivation in Beijing, China. 2009 , 47, 362	27
988	Using trees as a restoration tool in Tunisian arid areas: effects on understorey vegetation and soil nutrients. 2009 , 31, 377	6
987	Structural Stability of Humid Tropical Soils as Influenced by Manure Incorporation and Incubation Duration. 2009 , 73, 1353-1360	19
986	Settling Velocity, Aggregate Stability, and Interrill Erodibility of Soils Varying in Clay Mineralogy. 2009 , 73, 1369-1377	45
985	Fertilizer and Residue Quality Effects on Organic Matter Stabilization in Soil Aggregates. 2009 , 73, 961-966	76
984	Biosolids increase soil aggregation and protection of soil carbon five years after application on a crested wheatgrass pasture. 2009 , 38, 291-8	27
983	Composition and stability of soil aggregates in Fluvisols under forest, meadows, and 100 years of conventional tillage. 2010 , 173, 502-509	10
982	Improvement of Soil Physical Properties and Aggregate-Associated C, N, and P After Cropland was Converted to Grassland in Semiarid Loess Plateau. 2010 , 175, 99-104	16
981	Earthworms and litter management contributions to ecosystem services in a tropical agroforestry system. 2010 , 20, 1061-73	44

- 980 Toward Landscape-Scale Modeling of Soil Organic Matter Dynamics in Agroecosystems. **2010**, 74, 1847-1860 51
- 979 Labile Organic Matter, Aggregates, and Stratification Ratios in a Semiarid Vineyard with Cover Crops. **2010**, 74, 2120-2130 57
- 978 Uncertainty assessment of soil organic carbon content spatial distribution using geostatistical stochastic simulation. **2010**, 48, 27 10
- 977 Contrasting ecosystem recovery on two soil textures: implications for carbon mitigation and grassland conservation. **2010**, 1, art5 55
- 976 Energy Crops and Their Implications on Soil and Environment. **2010**, 102, 403-419 207
- 975 Physical Aspects. **2010**, 306-327 3
- 974 Effect of the historical land use on the structure of forest soils in European Russia. **2010**, 43, 1458-1466 6
- 973 Role of Mycorrhizal Fungi in Growth Promotion of Crop Plants. **2010**, 259-292 1
- 972 A review on deep-sea fungi: occurrence, diversity and adaptations. **2010**, 53, 39
- 971 Organic matter and phosphorus fractions in irrigated agroecosystems in a semi-arid region of Northeastern Brazil. **2010**, 138, 74-82 21
- 970 Carbon storage in soil size fractions under two cacao agroforestry systems in Bahia, Brazil. **2010**, 45, 274-83 81
- 969 Dynamics of soil organic carbon and nitrogen associated with physically separated fractions in a grassland-cultivation sequence in the Qinghai-Tibetan plateau. **2010**, 46, 103-111 31
- 968 Distribution of organic carbon in physical fractions of soils as affected by agricultural management. **2010**, 46, 543-554 107
- 967 Impact of land use on physico-chemical and hydrological properties of ustifluent soils in riparian zone of river Yamuna, India. **2010**, 80, 437-445 19
- 966 Carbon and nitrogen pools in different aggregates of a Chinese Mollisol as influenced by long-term fertilization. **2010**, 10, 1018-1026 49
- 965 Arbuscular mycorrhiza fungi as an ecology indicator for evaluating desert soil conditions. **2010**, 4, 24-30 5
- 964 Soil macroaggregate dynamics in a mountain spatial climate gradient. **2010**, 97, 31-43 24
- 963 Plant performance in stressful environments: interpreting new and established knowledge of the roles of arbuscular mycorrhizas. **2010**, 326, 3-20 320

962	Residue quality and N fertilizer do not influence aggregate stabilization of C and N in two tropical soils with contrasting texture. 2010 , 88, 121-131	45
961	Long term effects of fertilization on carbon and nitrogen sequestration and aggregate associated carbon and nitrogen in the Indian sub-Himalayas. 2010 , 86, 1-16	98
960	Organic carbon fractions affected by long-term fertilization in a subtropical paddy soil. 2010 , 86, 153-160	34
959	Soil organic carbon fractions after 16-years of applications of fertilizers and organic manure in a Typic Rhodalfs in semi-arid tropics. 2010 , 86, 391-399	89
958	Soil aggregation and carbon and nitrogen stabilization in relation to residue and manure application in rice-wheat systems in northwest India. 2010 , 87, 233-247	70
957	Managing grazing animals to achieve nutrient cycling and soil improvement in no-till integrated systems. 2010 , 88, 259-273	154
956	Dew formation characteristics in a revegetation-stabilized desert ecosystem in Shapotou area, Northern China. 2010 , 387, 265-272	76
955	Molecular characterization and glomalin production of arbuscular mycorrhizal fungi colonizing a heavy metal polluted ash disposal island, downtown Venice. 2010 , 42, 758-765	54
954	Particulate organic matter in water stable aggregates formed after the addition of ¹⁴ C-labeled maize residues and wetting and drying cycles in vertisols. 2010 , 42, 953-959	40
953	Mycelium of arbuscular mycorrhizal fungi increases soil water repellency and is sufficient to maintain water-stable soil aggregates. 2010 , 42, 1189-1191	143
952	Water-stable aggregates, glomalin-related soil protein, and carbohydrates in a chronosequence of sandy hydromorphic soils. 2010 , 42, 1505-1511	81
951	Soil texture affects soil microbial and structural recovery during grassland restoration. 2010 , 42, 2182-2191	177
950	Earthworm cast production as a new behavioural biomarker for toxicity testing. 2010 , 158, 388-93	45
949	Effects of different quality plant residues on soil carbon accumulation and aggregate formation in a tropical sandy soil in Northeast Thailand as revealed by a 10-year field experiment. 2010 , 21, 463-473	32
948	Distribution of organic matter in aggregates of eroded Ultisols, Central China. 2010 , 108, 59-67	33
947	Effect of land-use history on the potential for carbon sequestration in an Alfisol. 2010 , 109, 23-35	25
946	Effect of integrated use of farmyard manure and chemical fertilizers on soil physical properties and productivity of soybean. 2010 , 110, 115-125	126
945	Nutrient Addition Differentially Affects Soil Carbon Sequestration in Secondary Tropical Dry Forests: Early- versus Late-Succession Stages. 2010 , 18, 252-260	24

944	The effect of Amazonian Eucalyptus plantations on soil aggregates and organic matter density fractions. 2010 , 26, 53-60	3
943	Soil carbon dynamics in saline and sodic soils: a review. 2010 , 26, 2-11	184
942	Resilience of microorganisms and aggregation of a sandy calcareous soil to amendment with organic and synthetic fertilizer. 2010 , 26, 149-157	11
941	Implications of the proposed Soil Framework Directive on agricultural systems in Atlantic Europe – a review. 2010 , 26, 198-211	41
940	Tillage effects on soil aggregation and soil organic carbon profile distribution under Mediterranean semi-arid conditions. 2010 , 26, 465-474	43
939	Direct and indirect effects of Mediterranean vegetation on runoff and soil loss. 2010 , 61, 174-185	27
938	Organic matter in size-density fractions after 1650 years of grass ley, cereal cropping and organic amendments. 2010 , 61, 539-550	15
937	Temporal and spatial monitoring of mobile nanoparticles in a vineyard soil: evidence of nanoaggregate formation. 2010 , 61, 456-468	14
936	Experimental evidence for the attenuating effect of SOM protection on temperature sensitivity of SOM decomposition. 2010 , 16, 2789-2798	72
935	Trajectories of change: riparian vegetation and soil conditions following livestock removal and replanting. 2010 , 35, 980-987	27
934	The impact of agricultural soil erosion on biogeochemical cycling. 2010 , 3, 311-314	541
933	Atributos físicos e químicos de agregados pedológicos e de coprólitos de minhocas em diferentes classes de solos da Paraíba. 2010 , 34, 1365-1371	6
932	Mitigation of GHGs Emission From Soils by a Catalyzed In-Situ Photo-Oxidative Polymerization of Soil Organic Matter. 2010 ,	
931	. 2010 ,	6
930	Study of Biodiversity of Arbuscular Mycorrhizal Fungi in Addition with Different Organic Matter in Different Seasons of Kavre District (Central Nepal). 2010 , 5, 75-80	2
929	Impacts of Deficit Irrigation on Carbon Sequestration and Soil Physical Properties under No-Till. 2010 , 74, 1301-1309	19
928	Cropping Intensity Impacts on Soil Aggregation and Carbon Sequestration in the Central Great Plains. 2010 , 74, 1712-1719	23
927	Greenhouse Gas (CO ₂ AND N ₂ O) Emissions From Soils: A Review. 2010 , 70,	40

926	Casting Activity of <i>Scherotheca gigasin</i> No-Till Mediterranean Soils: Role in Organic Matter Incorporation and Influence of Aridity. 2010 , 2010, 1-6	6
925	Effect of intercropping period management on runoff and erosion in a maize cropping system. 2010 , 39, 1001-8	29
924	Tillage and Crop Rotation Phase Effects on Soil Physical Properties in the West-Central Great Plains. 2010 , 102, 483-491	46
923	Soil Response to Long-Term Cropping Systems on an Argiustoll in the Central Great Plains. 2010 , 74, 602-611	29
922	Spatial variability of physical attributes of an alfisol under different hillslope curvatures. 2010 , 34, 617-630	21
921	Estabilidade de agregados em argissolo sob diferentes usos, comparado com mata. 2010 , 57, 545-553	8
920	Measuring and modeling continuous quality distributions of soil organic matter. 2010 , 7, 27-41	22
919	Soil aggregation in a crop-livestock integration system under no-tillage. 2010 , 34, 1365-1374	22
918	ARBUSCULAR MYCORRHIZAE IN AGRICULTURAL AND FOREST ECOSYSTEMS IN CHILE. 2010 , 10,	21
917	Distribui ^õ de agregados e carbono org ^â nico em um Argissolo Amarelo distrocoeso em diferentes manejos. 2010 , 14, 907-913	6
916	Tracing Root vs. Residue Carbon into Soils from Conventional and Alternative Cropping Systems. 2010 , 74, 1201-1210	147
915	Evidence for Carbon Saturation in a Highly Structured and Organic-Matter-Rich Soil. 2010 , 74, 130-138	69
914	Soil structure degradation in patches of alfalfa fields. 2010 , 67, 604-610	3
913	Teor de carbono org ^â nico e a susceptibilidade ^â compacta ^õ de um Nitossolo e um Argissolo. 2010 , 14, 131-139	30
912	Agrega ^õ de ume nitossolo vermelho distrof ^â trico sob sistemas de plantio direto, preparo convencional e mata nativa. 2010 , 30, 58-66	3
911	Characterization of soil organic matter. 91-126	6
910	The effect of soil redistribution on soil organic carbon: an experimental study. 2010 , 7, 3971-3986	52
909	Organic Carbon Chemistry in Soils Observed by Synchrotron-Based Spectroscopy. 2010 , 289-312	25

908	Fresh and Composted Paper Sludges Sustain Soil Productivity. 2010 , 2010, 1-10	
907	Use of biological approach for ground improvement. 2010 , 163, 135-140	2
906	The Potential for California Agricultural Crop Soils to Reduce Greenhouse Gas Emissions. 2010 , 123-162	18
905	Soil Aggregate and Organic Carbon Stability under Different Land Uses in the North China Plain. 2010 , 41, 1144-1157	11
904	Conservation Tillage and Sustainable Agriculture in Semi-arid Dryland Farming. 2010 , 195-238	9
903	Soil development and establishment of carbon-based properties in created freshwater marshes. 2010 , 20, 539-53	55
902	Compost Use in Organic Farming. 2010 , 311-345	13
901	Trade-offs Associated with Using Soil Carbon Sequestration as Climate Change Mitigation. 2010 , 365-392	1
900	Carbon Sequestration in Agroforestry Systems. 2010 , 108, 237-307	225
899	Controls on the Temperature Sensitivity of Soil Enzymes: A Key Driver of In Situ Enzyme Activity Rates. 2010 , 245-258	38
898	New method for the characterization of three-dimensional preferential flow paths in the field. 2010 , 46,	52
897	Effects of sieving, drying and rewetting upon soil bacterial community structure and respiration rates. 2010 , 83, 69-73	49
896	Variability of soil aggregation in a hilly semi-arid rangeland. 2010 , 74, 946-953	8
895	Soil aggregation and organic carbon fractions affected by long-term fertilization in a red soil of subtropical China. 2010 , 154, 364-369	150
894	Effect of organic inputs on aggregate associated organic carbon concentration under long-term rice-wheat cropping system. 2010 , 154, 379-386	85
893	Earthworms, soil fertility and aggregate-associated soil organic matter dynamics in the Quesungual agroforestry system. 2010 , 155, 320-328	54
892	Turnover of intra- and extra-aggregate organic matter at the silt-size scale. 2010 , 156, 1-10	39
891	Distribution of organic and humic carbon in wet-sieved aggregates of different soils under long-term fertilization experiment. 2010 , 157, 80-85	62

890	The philosophical status of soil science. 2010 , 157, 214-221	36
889	Soil carbon balance of rice-based cropping systems of the Indo-Gangetic Plains. 2010 , 160, 143-154	10
888	Adding an empirical factor to better represent the rewetting pulse mechanism in a soil biogeochemical model. 2010 , 159, 440-451	20
887	Effects of long-term organic and mineral fertilizers on bulk density and penetration resistance in semi-arid Mediterranean soil conditions. 2010 , 160, 236-243	149
886	Effects of aggregation processes on distribution of aggregate size fractions and organic C content of a long-term fertilized soil. 2010 , 46, 365-370	34
885	Patterns in the aggregate stability of Mancos Shale derived soils. 2010 , 80, 65-73	7
884	Effects of mulching on soil physical properties and runoff under semi-arid conditions in southern Spain. 2010 , 81, 77-85	280
883	Soil aggregation, aggregate stability, organic carbon and nitrogen in different soil aggregate fractions under forest and shrub vegetation on the Loess Plateau, China. 2010 , 81, 226-233	166
882	Measuring and modelling the actual energy involved in aggregate breakdown. 2010 , 82, 53-60	9
881	Earthworm impacts on soil organic matter and fertilizer dynamics in tropical hillside agroecosystems of Honduras. 2010 , 53, 327-335	19
880	Fraxinusâ€lomusâ€Bisolithus symbiosis: Plant growth and soil aggregation effects. 2010 , 53, 369-373	20
879	Response of vanilla (<i>Vanilla planifolia</i> A.) intercropped in arecanut to irrigation and nutrition in humid tropics of India. 2010 , 97, 988-994	14
878	Effects of field length and management practices on dissolved organic carbon export in furrow irrigation. 2010 , 98, 29-37	10
877	Cover crops under different managements vs. frequent tillage in almond orchards in semiarid conditions: Effects on soil quality. 2010 , 44, 6-14	105
876	Organic carbon in soil physical fractions under different-aged plantations of Mongolian pine in semi-arid region of Northeast China. 2010 , 44, 42-48	31
875	The interactive effect of an AM fungus and an organic amendment with regard to improving inoculum potential and the growth and nutrition of <i>Trifolium repens</i> in Cd-contaminated soils. 2010 , 44, 181-189	13
874	No-till soil management increases microbial biomass and alters community profiles in soil aggregates. 2010 , 46, 390-397	167
873	Corn stover feedstock trials to support predictive modeling. 2010 , 2, 235-247	19

872	Predicting mobilization of suspended sediments and phosphorus from soil properties: a case study from the north west Po valley, Piemonte, Italy. 2010 , 26, 310-319	11
871	Long-Term Effect of No-Tillage on Soil Organic Carbon Fractions in a Continuous Maize Cropping System of Northeast China. 2010 , 20, 285-292	32
870	Impact of Land Use and Soil Fertility on Distributions of Soil Aggregate Fractions and Some Nutrients. 2010 , 20, 666-673	30
869	Progress in Mycology. 2010 ,	2
868	Effect of Synthetic Soil Aggregates as a Soil Ameliorant to Enhance Properties of Problematic Gray (ããã)Soils in Okinawa, Japan. 2010 , 41, 649-664	8
867	REVIEW: Balancing limiting factors & economic drivers for sustainable Midwestern US agricultural residue feedstock supplies. 2010 , 6, 271-287	82
866	Soil carbon storage as influenced by tree cover in the Dehesa cork oak silvopasture of central-western Spain. 2011 , 13, 1897-904	66
865	Carbon sequestration in soil by in situ catalyzed photo-oxidative polymerization of soil organic matter. 2011 , 45, 6697-702	25
864	Litter quality impacts short- but not long-term soil carbon dynamics in soil aggregate fractions. 2011 , 21, 695-703	82
863	Beneficial Endophytic Rhizobia as Biofertilizer Inoculants for Rice and the Spatial Ecology of This BacteriaâPlant Association. 2011 , 265-294	3
862	Encyclopedia of Agrophysics. 2011 , 777-780	1
861	Encyclopedia of Agrophysics. 2011 , 867-869	
860	Encyclopedia of Agrophysics. 2011 , 657-667	10
859	Laboratory investigation of organic matter mineralization and nutrient leaching from earthworm casts produced by <i>Amyntas khami</i> . 2011 , 47, 24-30	18
858	Influence of biological aggregating agents associated with microbial population on soil aggregate stability. 2011 , 47, 153-159	71
857	Soil fertility management: Impacts on soil macrofauna, soil aggregation and soil organic matter allocation. 2011 , 48, 53-62	84
856	Tillage-induced changes in fungal and bacterial biomass associated with soil aggregates: A long-term field study in a subtropical rice soil in China. 2011 , 48, 168-173	59
855	Influence of land application of dairy factory effluent on soil nutrient status and the size, activity, composition and catabolic capability of the soil microbial community. 2011 , 48, 133-141	10

854	Agroforestry and grass buffer effects on soil quality parameters for grazed pasture and row-crop systems. 2011 , 48, 125-132	51
853	Use of palm-mat geotextiles for soil conservation: I. Effects on soil properties. 2011 , 84, 99-107	9
852	Effects of vegetation type on soil resistance to erosion: Relationship between aggregate stability and shear strength. 2011 , 87, 60-69	169
851	Laser diffraction analysis of the disintegration of aeolian sedimentary aggregates in water. 2011 , 87, 107-118	25
850	Long-term tillage effects on the distribution patterns of microbial biomass and activities within soil aggregates. 2011 , 87, 276-280	60
849	Organic carbon accumulation in a 2000-year chronosequence of paddy soil evolution. 2011 , 87, 376-385	78
848	Organic matter stabilization in soil aggregates: Understanding the biogeochemical mechanisms that determine the fate of carbon inputs in soils. 2011 , 161, 182-193	99
847	Improvement of soil structure formation by degradation of coarse organic matter. 2011 , 162, 27-38	68
846	Aggregate dynamics and associated soil organic matter contents as influenced by prolonged arable cropping in the South African Highveld. 2011 , 162, 251-259	42
845	Self-restoration of post-agrogenic chernozems of Russia: Soil development, carbon stocks, and dynamics of carbon pools. 2011 , 162, 196-206	50
844	Total and fresh organic carbon distribution in aggregate size classes and single aggregate regions using natural ¹³ C/ ¹² C tracer. 2011 , 164, 164-171	22
843	Effect of carbonates on the hierarchical model of aggregation in calcareous semi-arid Mediterranean soils. 2011 , 164, 203-214	50
842	Tillage practices of a clay loam soil affect soil aggregation and associated C and P concentrations. 2011 , 164, 225-231	36
841	Do earthworms and roots cooperate to build soil macroaggregates? A microcosm experiment. 2011 , 167-168, 303-309	44
840	Short-term effects of experimental fire for a soil under eucalyptus forest (SE Australia). 2011 , 167-168, 125-134	77
839	Impact of soybean cropping frequency on soil carbon storage in Mollisols and Vertisols. 2011 , 167-168, 254-260	46
838	Reducing topsoil salinity and raising carbon stocks through afforestation in Khorezm, Uzbekistan. 2011 , 75, 146-155	48
837	Spatial Prediction of Soil Aggregate Stability and Aggregate-Associated Organic Carbon Content at the Catchment Scale Using Geostatistical Techniques. 2011 , 21, 389-399	12

- 836 The effects of stubble retention and tillage practices on surface soil structure and hydraulic conductivity of a loess soil. **2011**, 31, 298-302 12
- 835 Perdas de solo e de água e infiltração de água em latossolo vermelho sob sistemas de manejo. **2011**, 35, 1777-1786 48
- 834 EFEITOS DA APLICAÇÃO DE ZEOLITA E SELÊNIO EM TRÊS CULTIVARES DE CANOLA SOB ESTRESSE HÍDRICO. **2011**, 41, 5
- 833 Monitoring Soil Quality to Assess the Sustainability of Harvesting Corn Stover. **2011**, 103, 288-295 70
- 832 Enhanced biogeochemical cycling and subsequent reduction of hydraulic conductivity associated with soil-layer interfaces in the vadose zone. **2011**, 40, 1941-54 17
- 831 Diversidade metabólica e atividade microbiana no solo em sistema de integração lavoura-pecuária sob intensidades de pastejo. **2011**, 46, 1254-1261 23
- 830 Perda de solo por erosão em decorrência da aplicação de adubação fosfatada corretiva sobre a estabilidade de agregados estimada em um Latossolo Vermelho Acriférico típico. **2011**, 32, 1297-1306
- 829 Alpine grassland soils contain large proportion of labile carbon but indicate long turnover times. **2011**, 8, 1911-1923 59
- 828 Agregação e estoque de carbono em argissolo submetido a diferentes práticas de manejo agrícola. **2011**, 35, 213-223 53
- 827 Carbono total e $\delta^{13}C$ em agregados do solo sob vegetação nativa e pastagem no bioma cerrado. **2011**, 35, 1241-1252 14
- 826 Effect of poultry litter and livestock manure on soil physical and biological indicators in a rice-wheat rotation system. **2011**, 57, 351-356 28
- 825 The effects of soil organic matter on seedling emergence in sunflower (*Helianthus annuus* L.). **2011**, 50, 494-499 10
- 824 Vulnerability of soil aggregates in relation to soil properties. **2011**, 48, 329-334 2
- 823 Effects of waterlogging on the soil structure of some Italian soils in relation to the GAEC cross-compliance standard Maintenance of farm channel networks and field convexity. **2011**, 6, 9 4
- 822 Mediterranean Dryland Farming: Effect of Tillage Practices on Selected Soil Properties. **2011**, 103, 382-389 20
- 821 Colloid and Phosphorus Leaching From Undisturbed Soil Cores Sampled Along a Natural Clay Gradient. **2011**, 176, 399-406 31
- 820 Water Retention Curves of Soil Aggregates as Affected by Long-Term Fertilizer Management. **2011**, 176, 537-542 6
- 819 Distribution of phosphorus in size fractions of sandy soils with different fertilization histories. **2011**, 174, 891-898 13

818	Soil-structure development including seasonal dynamics in a long-term fertilization experiment. 2011 , 174, 395-403	73
817	Effects of residue location on soil organic matter turnover: results from an incubation experiment with ¹⁵ N-maize. 2011 , 174, 634-643	8
816	Impact of tension infiltrometer disc size on measured soil water repellency index. 2011 , 91, 77-81	18
815	Factors affecting phosphorus exports from sites irrigated with abattoir wastewater. 2011 , 3, 18	4
814	Comparative study of soil properties under various cultivation regimes of different crops. 2011 , 49, 595	2
813	Assessing carbon lability of particulate organic matter from $\delta^{13}C$ changes following land-use change from C3 native vegetation to C4 pasture. 2011 , 49, 98	8
812	Effects of recent and accumulated livestock manure carbon additions on soil fertility and quality. 2011 , 62, 174-181	37
811	Physical response of rigid and non-rigid soils to analogues of biological exudates. 2011 , 62, 676-684	32
810	Soil water repellency and its implications for organic matter decomposition – is there a link to extreme climatic events?. 2011 , 17, 2640-2656	145
809	Temperature and soil organic matter decomposition rates – synthesis of current knowledge and a way forward. 2011 , 17, 3392-3404	883
808	Temporal changes of soil physical and hydraulic properties in strawberry fields. 2011 , 27, no-no	1
807	Effects of Native Plant Species, Mycorrhizal Inoculum, and Mulch on Restoration of Reservoir Sediment Following Dam Removal, Elwha River, Olympic Peninsula, Washington. 2011 , 19, 251-260	10
806	Microbial community composition and carbon cycling within soil microenvironments of conventional, low-input, and organic cropping systems. 2011 , 43, 20-30	130
805	Physical protection of soil organic matter following mechanized forest operations in Pinus radiata D. Don plantations. 2011 , 43, 141-149	12
804	How do earthworms influence organic matter quantity and quality in tropical soils?. 2011 , 43, 223-230	34
803	Are power laws that estimate fractal dimension a good descriptor of soil structure and its link to soil biological properties?. 2011 , 43, 359-366	17
802	Organic resource quality influences short-term aggregate dynamics and soil organic carbon and nitrogen accumulation. 2011 , 43, 657-666	123
801	Impacts of land use change on soil aggregation and aggregate stabilizing compounds as dependent on time. 2011 , 43, 1081-1088	72

800	Changes in forest soil organic matter pools after a decade of elevated CO ₂ and O ₃ . 2011 , 43, 1518-1527	52
799	Biochar effects on soil biota – A review. 2011 , 43, 1812-1836	2707
798	Differential and successive effects of residue quality and soil mineral N on water-stable aggregation during crop residue decomposition. 2011 , 43, 1955-1960	34
797	A review of the changes in the soil pore system due to soil deformation: A hydrodynamic perspective. 2011 , 115-116, 1-15	188
796	A five-year assessment of corn stover harvest in central Iowa, USA. 2011 , 115-116, 47-55	61
795	Effect of land use change on Andosol's pore functions and their functional resilience after mechanical and hydraulic stresses. 2011 , 115-116, 71-79	33
794	Maize (<i>Zea mays</i> L.) yield and soil physical properties as affected by the previous plantain cropping systems, tillage and nitrogen application. 2011 , 115-116, 88-93	9
793	Spatio-temporal patterns in land use and management affecting surface runoff response of agricultural catchments – A review. 2011 , 106, 92-104	91
792	Fire effects on soil aggregation: A review. 2011 , 109, 44-60	353
791	Changes in soil chemical parameters and organic matter balance after 13 years of ramie [<i>Boehmeria nivea</i> (L.) Gaud.] cultivation in the Mediterranean region. 2011 , 35, 154-163	16
790	Soil Carbon Sequestration in Cacao Agroforestry Systems: A Case Study from Bahia, Brazil. 2011 , 85-99	19
789	Comparison of organic versus mineral resource effects on short-term aggregate carbon and nitrogen dynamics in a sandy soil versus a fine textured soil. 2011 , 140, 361-371	48
788	Improvement of soil aggregate stability by repeated applications of organic amendments to a cultivated silty loam soil. 2011 , 144, 382-389	117
787	Long-term changes in phosphorus fractions in growers' paddocks in the northern Victorian grain belt. 2011 , 89, 351-362	7
786	Soil organic carbon fractions differ in two contrasting tall fescue systems. 2011 , 338, 43-50	17
785	Trade-offs between the short- and long-term effects of residue quality on soil C and N dynamics. 2011 , 338, 159-169	48
784	Influence of grazing on hydraulic and mechanical properties of semiarid steppe soils under different vegetation type in Inner Mongolia, China. 2011 , 340, 59-72	47
783	Distribution of soil organic matter between fractions and aggregate size classes in grazed semiarid steppe soil profiles. 2011 , 338, 63-81	40

782	Kinetics of net nitrification associated with soil aggregates under conventional and no-tillage in a subtropical rice soil. 2011 , 347, 305-312	9
781	Role of microorganisms in adaptation of agriculture crops to abiotic stresses. 2011 , 27, 1231-1240	406
780	C and N content in density fractions of whole soil and soil size fraction under cacao agroforestry systems and natural forest in Bahia, Brazil. 2011 , 48, 134-41	22
779	Soil properties and crop yields after 11 years of no tillage farming in wheatâ€”maize cropping system in North China Plain. 2011 , 113, 48-54	119
778	Effects of different tillage system on arbuscular mycorrhizal fungal propagules and physical properties in a Mediterranean agroecosystem in central Chile. 2011 , 113, 11-18	90
777	Runoff Generation, Overland Flow and Erosion on Hillslopes. 2011 , 235-267	9
776	Application of pyrolysis-gas chromatography/mass spectrometry to study changes in the organic matter of macro- and microaggregates of a Mediterranean soil upon heating. 2011 , 1218, 4817-27	15
775	Soil Aggregate Stability in Eco-engineering: Comparison of Field and Laboratory Data with an Outlook on a New Modelling Approach. 2015 , 29-47	3
774	Conservation Agriculture and Soil Carbon Sequestration. 2015 , 479-524	5
773	Management of a Potential Mine Capping for Reclamation of Open-Cut Mines: Responses to Decomposable Organic Treatments. 2016 , 279-310	1
772	Erodibility of Unconsolidated Mine Wastes Under Simulated Rainfall and Hydraulic Forces After Organic Amendments. 2016 , 311-333	1
771	Response of Arbuscular Mycorrhizal Fungi to Global Climate Change and Their Role in Terrestrial Ecosystem C and N Cycling. 2017 , 305-327	4
770	Seal Formation Effects on Soil Infiltration and Runoff in Arid and Semiarid Regions under Rainfall and Sprinkler Irrigation Conditions. 2008 , 429-452	4
769	Earthworms and Soil Structure. 2011 , 39-50	6
768	Biochar in Soil for Climate Change Mitigation and Adaptation. 2011 , 345-368	15
767	Diversity and biogeochemical function of planktonic fungi in the ocean. 2012 , 53, 71-88	24
766	Carbon Sequestration in Soils by Hydrophobic Protection and In Situ Catalyzed Photo-Polymerization of Soil Organic Matter (SOM): Chemical and Physicalâ€”Chemical Aspects of SOM in Field Plots. 2012 , 61-105	10
765	Bacterial Mediated Alleviation of Abiotic Stress in Crops. 2012 , 205-224	15

764	Biological Soil Crusts and Water Relations in Australian Deserts. 2001 , 315-325	15
763	Biological Soil Crusts and Hydrology in North American Deserts. 2001 , 327-337	17
762	Modeling the Measurable or Measuring the Modelable: A Hierarchical Approach to Isolating Meaningful Soil Organic Matter Fractionations. 1996 , 161-179	52
761	Reaktionen der Tonminerale. 1993 , 89-167	15
760	Erosion and Transport of Pollutants from the Terrestrial to the Aquatic Environment. 1995 , 103-121	3
759	The Role of Decomposition in C Sequestration in Ecosystems. 1995 , 85-112	1
758	The Soil Environment. 1994 , 82-116	3
757	Carbon Pools and Fluxes in Grassland Systems on Sodic Soils of Northern India. 2015 , 119-140	1
756	Using Grassed Strips to Limit Pesticide Transfer to Surface Water: A Review. 2009 , 471-491	2
755	Soil-Erosion and Runoff Prevention by Plant Covers: A Review. 2009 , 785-811	48
754	Encyclopedia of Agrophysics. 2011 , 736-740	2
753	Encyclopedia of Agrophysics. 2011 , 770-777	6
752	Ecosystem Carbon and Soil Biodiversity. 2013 , 131-153	2
751	Management of earthworm populations in agro-ecosystems: A possible way to maintain soil quality?. 1989 , 109-122	17
750	Soil organic matter extraction, fractionation, structure and effects on soil structure. 1986 , 183-208	8
749	An Eco-Geomorphological Approach to the Soil Degradation and Erosion Problem. 1986 , 110-125	3
748	Soil Phosphorus. 1985 , 329-377	12
747	The Soil Biomass. 1985 , 223-262	40

746	Carbohydrates in Relation to Soil Fertility. 1985 , 263-288	12
745	The Role of Modeling in Research on Microfloral and Faunal Interactions in Natural and Agroecosystems. 1986 , 443-494	4
744	The Role of Microfloral and Faunal Interactions in Affecting Soil Processes. 1986 , 317-348	20
743	Dynamics of organic matter in soils. 1984 , 275-285	6
742	Concepts of soil organic matter transformations in relation to organo-mineral particle size fractions. 1984 , 287-295	2
741	Soils: Biotic Constructions in a Gaian Sense?. 1992 , 189-207	2
740	Agro-ecological aspects of the mycorrhizal, nitrogen-fixing legume symbiosis. 1991 , 349-354	12
739	Science in agroforestry. 1995 , 5-55	6
738	Mycorrhizal research – a priority in agriculture. 1996 , 41-75	9
737	Root carbon contributions to soil aggregate formation and function. 2003 , 421-426	3
736	Soils Supporting Biodiversity. 2014 , 27-58	11
735	Biochar and Organic Amendments for Sustainable Soil Carbon and Soil Health. 2020 , 45-85	5
734	Alleviating Drought Stress of Crops Through PGPR: Mechanism and Application. 2019 , 341-358	4
733	Soil Organic Carbon Dynamics and Carbon Sequestration Under Conservation Tillage in Tropical Vertisols. 2020 , 201-212	2
732	Agroforestry Interventions for Rehabilitating Salt-Affected and Waterlogged Marginal Landscapes. 2020 , 111-162	3
731	Acid Tolerant Microbial Inoculants: A Requisite for Successful Crop Production in Acidic Soils. 2019 , 235-247	3
730	Molecular characterization of soil organic carbon in water-stable aggregate fractions during the early pedogenesis from parent material of Mollisols. 2020 , 20, 1869-1880	6
729	Green Technologies for Improving Cane Sugar Productivity and Sustaining Soil Fertility in Sugarcane-Based Cropping System. 2019 , 21, 186-196	10

728	The Effects of Climate Change on the Mobilization of Diffuse Substances from Agricultural Systems. 2012 , 41-77	11
727	Soil as a Habitat for Organisms and Their Reactions. 1989 , 11-31	19
726	Methods for the study of interrelationships between micro-organisms and soil structure. 1993 , 3-23	3
725	A comparison of methods for measuring water-stable aggregates: implications for determining environmental effects on soil structure. 1993 , 87-104	3
724	The role of roots, fungi and bacteria on clay particle organization. An experimental approach. 1993 , 179-194	3
723	Influence of content and nature of organic matter on the structure of some sandy soils from West Africa. 1993 , 459-478	5
722	Effect of inoculation with <i>Bacillus polymyxa</i> on soil aggregation in the wheat rhizosphere: preliminary examination. 1993 , 479-491	2
721	Aggregate stability and soil microbial processes in a soil with different cultivation. 1993 , 503-513	6
720	An improved sieving machine for estimation of soil aggregate stability (SAS). 1993 , 539-547	7
719	Wind and Water Processes. 2002 , 65-95	3
718	The Influence of Soil Compaction on Decomposition of Plant Residues and on Microbial Biomass. 2003 , 207-216	2
717	Grassland-cropland rotation cycles in crop-livestock farming systems regulate priming effect potential in soils through modulation of microbial communities, composition of soil organic matter and abiotic soil properties. 2020 , 299, 106973	11
716	European beech deadwood can increase soil organic carbon sequestration in forest topsoils. 2017 , 405, 200-209	13
715	Assessment of soil health parameters and application of the sustainability index to fields under conservation agriculture for 3, 6, and 9 years in India. 2020 , 6, e05640	2
714	Effects of <i>Robinia pseudoacacia</i> afforestation on aggregate size distribution and organic C dynamics in the central Loess Plateau of China: A chronosequence approach. 2020 , 268, 110558	5
713	Management practices differently affect particulate and mineral-associated organic matter and their precursors in arable soils. 2020 , 148, 107867	17
712	Vehicular traffic effects on hydraulic properties of a Crosby silt loam under a long-term no-till farming in Central Ohio, USA. 2020 , 202, 104654	26
711	Nematode grazing promotes bacterial community dynamics in soil at the aggregate level. 2017 , 11, 2705-2717	96

710	Effect of root mucilage and modelled root exudates on soil structure. 2000 , 51, 575-581	28
709	Mycorrhizae: Soil Quality. 2017 , 1505-1510	1
708	SOIL ORGANIC MATTER PARTICLE SIZE FRACTIONS IN SOILS OF THE SEMIARID ARGENTINIAN PAMPAS. 1996 , 161, 104-108	69
707	EXTRACTION OF AN ABUNDANT AND UNUSUAL PROTEIN FROM SOIL AND COMPARISON WITH HYPHAL PROTEIN OF ARBUSCULAR MYCORRHIZAL FUNGI. 1996 , 161, 575-586	606
706	AMINO SUGAR SIGNATURE OF PARTICLE-SIZE FRACTIONS IN SOILS OF THE NATIVE PRAIRIE AS AFFECTED BY CLIMATE. 1998 , 163, 220-229	73
705	MANAGEMENT DISCRIMINANT PROPERTIES IN SEMIARID SOILS. 1998 , 163, 591-597	37
704	EFFECT OF TILLAGE, CROPPING, AND RESIDUE MANAGEMENT ON SOIL PROPERTIES IN THE TEXAS ROLLING PLAINS. 1999 , 164, 331-340	37
703	ECOLOGICAL CHALLENGES FOR SOIL SCIENCE. 2000 , 165, 73-86	69
702	PHYSICAL MANAGEMENT OF SOILS OF THE TROPICS: PRIORITIES FOR THE 21ST CENTURY. 2000 , 165, 191-207	59
701	CHEMICAL AND SPECTROSCOPIC CHARACTERIZATION OF THE HUMIC SUBSTANCES FROM SANDSTONE-DERIVED ROCK FRAGMENTS. 2000 , 165, 314-327	33
700	PROPERTIES AND DISTRIBUTION OF HUMIC SUBSTANCES AND INORGANIC STRUCTURE-STABILIZING COMPONENTS IN PARTICLE-SIZE FRACTIONS OF CULTIVATED MEDITERRANEAN SOILS. 2000 , 165, 328-342	17
699	MECHANICAL PROPERTIES OF GELLAN AND POLYACRYLAMIDE GELS WITH IMPLICATIONS FOR SOIL STABILIZATION. 2000 , 165, 778-792	31
698	Fungal traits important for soil aggregation.	2
697	Effect of silicic acid on the aggregation properties of goethite. 2017 , 68, 650-657	12
696	Root-soil friction: quantification provides evidence for measurable benefits for manipulation of root-tip traits. 2013 , 36, 1085-92	23
695	Soil structure stability and distribution of carbon in water-stable aggregates in different tilled and fertilized Haplic Luvisol. 2013 , 60, 173-178	4
694	Soil Organic Matter Fractions and Their Relevance to Soil Function. 2004 ,	77
693	Tillage and Residue Management Effects on Soil Organic Matter. 2004 ,	18

692	Strategies for Managing Soil Organic Matter to Supply Plant Nutrients. 2004 ,	3
691	Organic Carbon Pools in Grazing Land Soils. 2000 ,	1
690	Exploiting Heterogeneity of Soil Organic Matter in Rangelands. 2000 ,	1
689	Quantifying the Effects of Earthworms on Soil Aggregation and Porosity. 2004 , 183-200	42
688	Soil Structure. 2001 , 249-295	5
687	Mycorrhizal Interactions with Plants and Soil Organisms in Sustainable Agroecosystems. 1997 ,	2
686	Economic and Environmental Benefits of Agroforestry in Food and Fuelwood Production. 1998 ,	1
685	Soil food webs in agricultural ecosystems. 2012 , 63-88	5
684	Management Strategies for Maximizing Root Systems. 2012 , 369-442	1
683	Sports Surface Design: The Purposeful Manipulation of Soils. 2014 , 386-405	2
682	Effect of Peatmoss-Based Organic Material Mixtures on Soil pH, Growth and Fruit Quality of Highbush Blueberry(Vaccinium corymbosum L.) Plants. 2017 , 26, 43-48	1
681	Soil Carbon:An Overview on Soil Carbon Function and its Fractionation. 2016 , 11, 178-185	1
680	Soil modification by addition of cactus mucilage. 2015 , 8, 649-661	11
679	The interaction of soil aggregate stability with other soil properties as influenced by manure and nitrogen fertilization. 2018 , 105, 195-202	9
678	Soil aggregate size distribution and stability of farmland as affected by dry and wet sieving methods. 2020 , 107, 179-184	4
677	Effects of straw incorporation on soil organic matter and soil water-stable aggregates content in semiarid regions of Northwest China. 2014 , 9, e92839	39
676	Distribution and diversity of planktonic fungi in the West Pacific Warm Pool. 2014 , 9, e101523	27
675	Long-Term Grazing Exclusion Improves the Composition and Stability of Soil Organic Matter in Inner Mongolian Grasslands. 2015 , 10, e0128837	10

674	Variation of Soil Aggregation along the Weathering Gradient: Comparison of Grain Size Distribution under Different Disruptive Forces. 2016 , 11, e0160960	12
673	Impact of Amendments on the Physical Properties of Soil under Tropical Long-Term No Till Conditions. 2016 , 11, e0167564	8
672	Soil aggregation and soil organic matter in conventionally and organically farmed Austrian Chernozems / Bodenaggregation und organische Substanz in konventionell und biologisch bewirtschafteten ^sterreichischen Tschernosemb^ den. 2017 , 68, 41-55	2
671	Field-scale spatial correlation between contents of iron oxides and CO2 emission in an Oxisol cultivated with sugarcane. 2015 , 72, 157-166	6
670	Land-use influence on the soil hydrology: An approach in upper Grande River basin, Southeast Brazil. 2019 , 43,	2
669	Effects of cover crops on soil hydraulic properties and yield in a persimmon orchard. 2019 , 78, 596-605	9
668	Soil conservation management with cover crops: effects on critical energy levels, release and dispersion of aggregates. 2019 , 78, 444-453	6
667	Relief Position and Soil Properties under Continuous Banana Cropping in Subhumid Climate in Northeast Brazil. 43,	1
666	Fitomassa de plantas de cobertura em diferentes sucess^ es de culturas e sistemas de cultivo. 2006 , 65, 121-127	26
665	Agrega^ o do solo em ^ rea que recebeu lodo de esgoto. 2007 , 66, 291-298	18
664	Variabilidade espacial de atributos f^ sicos e qu^ sicos relacionados com o estado de agrega^ o de dois latossolos cultivados no sistema de semeadura direta. 2011 , 70, 185-195	9
663	Desenvolvimento de sistemas de produ^ o de milho no sul do Brasil com caracter^ sticas de sustentabilidade. 1997 , 21, 473-480	27
662	Din^ mica da agrega^ o induzida pelo uso de plantas de inverno para cobertura do solo. 1999 , 23, 383-391	21
661	Altera^ es ed^ ficas sob plantios puros e misto de esp^ cies florestais nativas do sudeste da Bahia, Brasil. 1999 , 23, 581-592	15
660	Efeito da cobertura viva com leguminosas herb^ ceas perenes na agrega^ o de um argissolo. 2002 , 26, 713-720	21
659	Rela^ o entre atributos f^ sicos, mineralogia da fra^ o argila e formas de alum^ nio no solo. 2003 , 27, 01-09	19
658	Estabilidade de agregados de um planossolo sob diferentes sistemas de manejo. 2003 , 27, 199-205	10
657	Formas de carbono em Latossolo Vermelho Eutrof^ rico sob plantio direto no sistema biogeogr^ fico do cerrado. 2003 , 27, 911-923	11

- 656 Atributos físicos e carbono orgânico de um Argissolo Vermelho sob sistemas de manejo. **2003**, 27, 1105-1112 28
- 655 Resistência ao cisalhamento de um latossolo sob diferentes uso e manejo. **2004**, 28, 165-173 13
- 654 Atributos físicos, químicos e biológicos relacionados com a estabilidade de agregados de dois latossolos em plantio direto no Estado de São Paulo. **2004**, 28, 505-517 14
- 653 Erosão hídrica influenciada por condições físicas de superfície e subsuperfície do solo resultantes do seu manejo, na ausência de cobertura vegetal. **2004**, 28, 763-774 16
- 652 Forma e estabilidade de agregados do solo decorrentes da adição de compostos orgânicos com diferentes características hidrofóbicas. **2005**, 29, 11-20 14
- 651 Relação de atributos do solo com a agregação de um Latossolo Vermelho sob sistemas de preparo e plantas de verão para cobertura do solo. **2005**, 29, 415-424 21
- 650 Efeito de leguminosas nos atributos físicos e carbono orgânico de um Luvisolo. **2005**, 29, 825-831 13
- 649 Agregação e estabilidade de agregados do solo em sistemas agropecuários em Mato Grosso do Sul. **2008**, 32, 11-21 95
- 648 Ácidos orgânicos de baixo peso molecular e ácidos húmicos e alterações em algumas propriedades físicas e químicas de Latossolos, Plintossolo e Neossolo Quartzarênico. **2008**, 32, 121-131 4
- 647 Atributos físicos de um planossolo hídrico sob sistemas de manejo comparados aos do campo nativo. **2008**, 32, 1849-1855 10
- 646 Aggregate stability as affected by short and long-term tillage systems and nutrient sources of a hapludox in southern Brazil. **2009**, 33, 767-777 16
- 645 Relações entre tamanho de sedimentos erodidos, velocidade da enxurrada, rugosidade superficial criada pelo preparo e tamanho de agregados em solo submetido a diferentes manejos. **2009**, 33, 1459-1471 4
- 644 Biomassa microbiana do solo em sistema de integração lavoura-pecuária em plantio direto, submetido a intensidades de pastejo. **2010**, 34, 79-88 29
- 643 Variação na resistência térmica de agregados em função do conteúdo de carbono em dois solos na região dos Campos Gerais. **2011**, 35, 437-446 8
- 642 Compartimentos de carbono em latossolo vermelho sob cultivo de eucalipto e fitofisionomias de cerrado. **2011**, 35, 849-856 2
- 641 Conteúdo de carbono orgânico em planossolo hídrico sob sistemas de manejo do arroz irrigado. **2011**, 35, 1769-1776 12
- 640 Morfologia e estabilidade de agregados superficiais de um argissolo vermelho-amarelo sob diferentes manejos de longa duração e mata atlântica secundária. **2011**, 35, 2191-2198 4
- 639 Fungos micorrízicos arbusculares na recuperação de florestas ciliares e fixação de carbono no solo. **2012**, 36, 733-744 6

638	Physical properties and organic carbon content of a Rhodic Kandiodox fertilized with pig slurry and poultry litter. 2012 , 36, 1323-1332	11
637	Lodo de esgoto na recuperaçãõ de terras degradadas: efeito nas característicás físicas do solo. 2012 , 36, 1637-1645	12
636	Propriedades físicas do solo em terra sob milho em monocultivo ou consorciado com leguminosas de verão. 2013 , 37, 1393-1401	5
635	Estrutura e armazenamento de água em um Argissolo sob pastagem cultivada, floresta nativa e povoamento de eucalipto no Rio Grande do Sul. 2014 , 38, 94-106	6
634	Structural changes and degradation of Red Latosols under different management systems for 20 years. 2014 , 38, 1293-1303	13
633	Changes in a Rhodic Hapludox under no-tillage and urban waste compost in the northwest of Rio Grande do Sul, Brazil. 2014 , 38, 1327-1336	3
632	Nível de energia ultrasônica para estudo da estabilidade de agregados de um Latossolo sob diferentes usos. 2002 , 37, 1649-1655	6
631	Sistemas de colheita e manejo da palhada de cana-de-açúcar. 2005 , 40, 271-278	57
630	Carbono orgânico e estabilidade de agregados de um Latossolo Vermelho sob diferentes manejos. 2005 , 40, 487-494	60
629	Carbono e nitrogênio em agregados de Latossolo submetido a diferentes sistemas de uso e manejo. 2006 , 41, 1541-1550	15
628	Prediction of soil shear strength in agricultural and natural environments of the Brazilian Cerrado. 2015 , 50, 82-91	5
627	Efeito do manejo do solo e da matéria orgânica solúvel em água quente na estabilidade de agregados de um latossolo argiloso. 2006 , 36, 1410-1415	12
626	Formação e estabilização de agregados pelo sistema radicular de braquiária em um Nitossolo Vermelho. 2012 , 42, 1193-1199	5
625	Texture and organic carbon contents do not impact amount of carbon protected in Malagasy soils. 2013 , 70, 204-208	12
624	Alterações físicas e químicas de um Argissolo amarelo sob diferentes sistemas de uso e manejo. 2006 , 10, 76-83	9
623	Modificações na matriz de um Argissolo Amarelo Coeso sob diferentes sistemas de manejo com cana-de-açúcar. 2006 , 10, 554-562	1
622	Qualidade de solo sob diferentes usos e manejos no Perímetro Irrigado Jaguaribe/Apodi, CE. 2012 , 16, 18-26	12
621	Effect of organic amendment for the construction of favourable urban soils for tree growth. 2018 , 83, 173-186	6

620	Soil texture and tree coverage influence on organic matter. 2004 , 57, 511	2
619	On-Farm Assessment of Soil Quality in California's Central Valley. 2002 , 94, 12-23	20
618	Application of Soil Quality to Monitoring and Management. 2002 , 94, 3-11	3
617	Water Conservation and Efficient Use. 39-85	3
616	Root Effects on Soil Organic Matter Decomposition. 119-143	37
615	Synthesis and Degradation of Natural and Synthetic Humic Material in Soils. 37-63	3
614	Organic Matter Dynamics in Soils of the Tropics—From Myth to Complex Reality. 17-33	24
613	Assessment of Soil Structure Under Monoculture of Vines. 2012 , 63, 42-45	3
612	Aggregate stability affects carbon sequestration potential of different tropical soils. 2018 , 71-88	2
611	Role of Arthropods in Maintaining Soil Fertility. 2013 , 3, 629-659	74
610	Do Coffee Agroforestry Systems Always Improve Soil Carbon Stocks Deeper in the Soil?—A Case Study from Turrialba, Costa Rica. 2020 , 11, 49	5
609	Fertilization and Tree Species Influence on Stable Aggregates in Forest Soil. 2021 , 12, 39	6
608	Mechanized and Optimized Configuration Pattern of Crop-Mulberry Systems for Controlling Agricultural, Non-Point Source Pollution on Sloping Farmland in the Three Gorges Reservoir Area, China. 2020 , 17,	3
607	Potential of Bioremediation and PGP Traits in as Strategies for Bio-Reclamation of Salt-Affected Soils for Agriculture. 2020 , 9,	11
606	Review of researches on soil aggregate and soil organic carbon. 2011 , 19, 447-455	6
605	The effect of total carbon on microscopic soil properties and implications for crop production. 2012 , 4, 251-259	4
604	Changes in soil carbon stocks and related soil properties along a 50-year grassland-to-cropland conversion chronosequence in an agro-pastoral ecotone of Inner Mongolia, China. 2012 , 4, 420-430	18
603	Carbon storage and soil property changes following afforestation in mountain ecosystems of the Western Rhodopes, Bulgaria. 2016 , 9, 626-634	9

602	Tree-induced changes in a terra rossa soil under olive.Observations from an integrated field study. 2017 , 41, 23-34	1
601	Chapter 8. Dynamics of gross nitrogen transformations related to particle-size soil organic fractions in the southeastern Pampa of Argentina. 2014 , 133-160	1
600	Impact of Crop Production Inputs on Soil Health: A Review. 2017 , 16, 109-131	38
599	Soil Organic Matter and Carbohydrate Contents of a Dystric Leptosol Under Organic Waste Management and Their Role in Structural Stability of Soil Aggregates. 2007 , 2, 268-277	8
598	Soil Organic Matter Fractions and Aggregate Distribution In Response to Tall Fescue Stands. 2009 , 5, 1-10	19
597	Soil Organic Carbon Fractions and Aggregate Stability in Carbonated and No Carbonated Soils in Tunisia. 2008 , 7, 127-137	26
596	A Comparison of Some Physical and Chemical Soil Quality Indicators Influenced by Different Crop Species. 2004 , 7, 905-911	12
595	Biological topsoil crusts at early successional stages on Quaternary substrates dumped by mining in Brandenburg, NE Germany. 2010 , 16, 359-370	19
594	Assessment of Long-Term Compost Application on Physical, Chemical, and Biological Properties, as Well as Fertility, of Soil in a Field Subjected to Double Cropping. 2016 , 07, 30-43	3
593	Size fractionation and microbial community structure of soil aggregates. 2013 , 02, 75-80	2
592	Soil Quality of a Semi-Arid Pasture Irrigated with Reverse Osmosis WastewaterâA Case Study from Northern New Mexico. 2015 , 07, 1121-1130	1
591	The Effects of Different Levels of Nitrogen on Yield and Yield Components of Rainfed Wheat in Two Regions of North Khorasan. 2016 , 06, 443-451	1
590	Land Management Effects on Carbon Sequestration and Soil Properties in Reclaimed Farmland of Eastern Ohio, USA. 2013 , 03, 46-57	15
589	Effects of Conservation Tillage on Total and Aggregated Soil Organic Carbon in the Andes. 2013 , 03, 361-373	15
588	Moisture, Water Holding, Drying and Wetting in Forest Soils. 2014 , 04, 174-184	9
587	The Effect of Some Soil Physical and Chemical Properties on Soil Aggregate Stability in Different Locations in Sulaimani and Halabja Governorate. 2016 , 06, 81-88	5
586	From fibrous plant residues to mineral-associated organic carbon âthe fate of organic matter in Arctic permafrost soils. 2020 , 17, 3367-3383	12
585	Modelling dynamic interactions between soil structure and the storage and turnover of soil organic matter. 2020 , 17, 5025-5042	10

584	Understanding soil erosion impacts in temperate agroecosystems: bridging the gap between geomorphology and soil ecology.	2
583	A spatial investigation of the environmental controls over cryoconite aggregation on Longyearbreen glacier, Svalbard.	3
582	Aggregates reduce transport distance of soil organic carbon: are our balances correct?.	5
581	Microbial carbon recycling: an underestimated process controlling soil carbon dynamics.	2
580	Speciation and distribution of P associated with Fe and Al oxides in aggregate-sized fraction of an arable soil.	4
579	Measuring and modelling continuous quality distributions of soil organic matter.	1
578	Litter quality and pH are strong drivers of carbon turnover and distribution in alpine grassland soils.	13
577	Soil carbon dynamics during secondary succession in a semi-arid Mediterranean environment.	11
576	Free and protected soil organic carbon dynamics respond differently to abandonment of mountain grassland.	3
575	Density fractions versus size separates: does physical fractionation isolate functional soil compartments?.	2
574	Does drought alter hydrological functions in forest soils? An infiltration experiment.	4
573	Soil physical quality changes under different management systems after 10 years in Argentinian Humid Pampa.	1
572	Improvements in aggregate stability of recently deposited sediments supplemented with tea waste and farmyard manure.	2
571	Effects of vegetation restoration on the aggregate stability and distribution of aggregate-associated organic carbon in a typical karst gorge region.	2
570	Land-use perturbations in ley grassland decouple the degradation of ancient soil organic matter from the storage of newly derived carbon inputs. 2020 , 6, 435-451	3
569	Iron and aluminum association with microbially processed organic matter via meso-density aggregate formation across soils: organo-metallic glue hypothesis. 2020 , 6, 597-627	21
568	Effect of land management on soil properties in flood irrigated citrus orchards in Eastern Spain.	3
567	Effects of root exudates of woody species on the soil anti-erodibility in the rhizosphere in a karst region, China. 2017 , 5, e3029	15

566	Effects of long-term fertilisation on aggregates and dynamics of soil organic carbon in a semi-arid agro-ecosystem in China. 2018 , 6, e4758	13
565	Vinasse application and cessation of burning in sugarcane management can have positive impact on soil carbon stocks. 2018 , 6, e5398	2
564	Effects of Biochar on Soil Quality and Heavy Metal Availability in a Military Shooting Range Soil in Korea. 2011 , 44, 67-77	12
563	Effect of Long Term Fertilization on Soil Carbon and Nitrogen Pools in Paddy Soil. 2013 , 46, 216-222	14
562	Effect of Food Waste Compost on Crop Productivity and Soil Chemical Properties under Rice and Pepper Cultivation. 2016 , 49, 682-688	6
561	Impact of Climate Change on the Importance of Plant Growth-Promoting Microbes in the Rhizosphere. 2021 , 335-357	0
560	Structural and hydraulic responses of humid tropical soils to lime and organic residue amendments. 2021 ,	
559	Atmospheric transport and mixing of biological soil crust microorganisms. 2021 , 8, 498-516	0
558	Certain Soil Surfactants Could Become a Source of Soil Water Repellency after Repeated Application. 2021 , 11,	3
557	Initiating conservation agriculture shows reduced soil CO ₂ emissions and improved soil aggregate stability in the first season in rainfed cropping in India. 1-17	
556	Estimating Soil Organic Matter: A Case Study of Soil Physical Properties for Environment-Related Issues in Southeast Nigeria. 2021 , 5, 899	
555	Formulation and use of manufactured soils: A major use for organic and inorganic wastes. 1-21	
554	Factors controlling the spatial variability of soil aggregates and associated organic carbon across a semi-humid watershed. 2021 , 809, 151155	1
553	The Effects of Crops Together with Winter Cover Crops on the Content of Soil Water-Stable Aggregates in Organic Farming. 2021 , 11, 1035	1
552	Response of soil aggregate stability and erodibility to different treatments on typical steppe in the Loess Plateau, China.	
551	Cover crop residues effect on soil structural stability and phosphatase activity. 1-14	0
550	Effect of land-use and land-cover change on mangrove soil carbon fraction and metal pollution risk in Zhangjiang Estuary, China. 2021 , 807, 150973	0
549	The Contribution of Microorganisms to Soil Organic Carbon Accumulation under Fertilization Varies among Aggregate Size Classes. 2021 , 11, 2126	4

- 548 Long-term increased grain yield and soil fertility from intercropping. 18
- 547 Evaluating Soil Carbon as a Proxy for Erosion Risk in the Spatio-Temporal Complex Hydropower Catchment in Upper Pangani, Northern Tanzania. **2021**, 2, 764-780 1
- 546 On the Adsorption Mechanism of Humic Substances on Kaolinite and Their Microscopic Structure. **2021**, 11, 1138 2
- 545 Methods for Studying Bacterial-Fungal Interactions in the Microenvironments of Soil. **2021**, 11, 9182 0
- 544 Effect of long-term nutrient management practices on soil health and paddy yield of rice-rice-fallow cropping system in tropic humid climate. **2021**, 107, 103362 0
- 543 Eukaryotes in soil aggregates across conservation managements: Major roles of protists, fungi and taxa linkages in soil structuring and C stock. **2021**, 163, 108463 3
- 542 Soil Physical Constraints and Plant Growth Interactions. **2000**,
- 541 Changing Soil Biological Health in Agroecosystems. **2001**, 335-350
- 540 Agroecology of Arbuscular Mycorrhizal Activity. **2001**, 145-166
- 539 Crostas biológicas em saprolitos de gnaiss: ciclagem biogeoquímica, micromorfologia e ensaio de colonização. **2001**, 25, 849-861 0
- 538 Soil C Sequestration Management Effects on N Cycling and Availability. **2002**, 1
- 537 Changes of Organic Matter and Aggregate Stability of the Arable Surface Waterlogged Soils. **2002**,
- 536 Interactions Between Tillage and Earthworms in Agroecosystems. **2002**,
- 535 Organic Matter and Chemical Characteristics of Aggregates from a Red-Yellow Latosol under Natural Forest, Rubber Plant, and Grass in Brazil. **2003**, 185-195
- 534 Microalgal and Cyanobacterial Soil Inoculants and Their Effect on Soil Aggregate Stability. **2003**, 175-184
- 533 Effects of Humic Substances and Polysaccharides on Soil Aggregation. **2003**, 153-162 0
- 532 Biological Processes in Soils. **2003**, 83-120
- 531 Soil Organic Matter and Water Erosion Processes. **2003**, 141-152

- 530 Efecto de acondicionadores naturales y sintéticos sobre los cationes solubles y la infiltración del agua en un Aridisol. **2003**, 38, 311-316
- 529 Fungi and Primary Productivity. **2003**,
- 528 Investigation of Sewage Sludge as Raw Compost Material in Korea. **2003**, 22, 137-147
- 527 Benefits of Soil Organic Carbon to Physical, Chemical, and Biological Properties of Soil. **2007**, 155-162
- 526 Enhancing the Water Stability of Aggregates of Selected Tropical Soils with Rabbit Waste for Sustainable Crop Production. **2007**, 2, 258-267 1
- 525 Encyclopedia of Soil Science. **2008**, 634-637 1
- 524 Functional Diversity of Arbuscular Mycorrhizal Fungi on Root Surfaces. **2008**, 331-349 1
- 523 Encyclopedia of Soil Science. **2008**, 30-32
- 522 Long-Term Consequences of Biological and Biogeochemical Changes in the Horseshoe Bend Long-Term Agroecosystem Project. **2009**, 195-209
- 521 Australia Farmers Responding to the Need for Conversion. **2009**,
- 520 Water Erosion. **2010**, 21-53 1
- 519 Nutrient Management of Degraded Soils. **2010**, 125-174
- 518 Interaction Between Resource Quality, Aggregate Turnover, Carbon and Nitrogen Cycling in the Central Highlands of Kenya. **2011**, 807-816
- 517 Encyclopedia of Agrophysics. **2011**, 304-308
- 516 Encyclopedia of Agrophysics. **2011**, 592-595 1
- 515 Fertilizers (Mineral, Organic), Effect On Soil Physical Properties. **2011**, 296-299 0
- 514 Release Pattern of Urea from Metal-urea-clay Hybrid with Montmorillonite and Its Impact on Soil Property. **2011**, 44, 545-550 1
- 513 Soil-Subsurface Interrelated Matrix. **2012**, 11-38

- 512 Mechanisms of Soil Aggregates Stability in Purple Paddy Soil under Conservation Tillage of Sichuan Basin, China. **2012**, 355-370 0
- 511 Soil ecology and agroecosystem studies. **2012**, 1-21 1
- 510 Organic Matter: Turnover. **2012**, 1872-1877 1
- 509 Environmental Impact of Soil Microorganisms on Global Change. **2013**, 233-250
- 508 Statistical analysis and modelling of surface runoff from arable fields. 1
- 507 References. 305-342
- 506 Altera^ções F^{ís}ico-Qu^{ím}icas em Um Neossolo Quartzar^êfico ^êtico pela Aplica^çõ de Subprodutos de Ind^ústria Sucroalcooleira. **2013**, 6, 82-94
- 505 The Contribution of Soil Aggregates to Carbon Sequestration in Restored Urban Grasslands. **2014**, 147-154
- 504 Influence of conventional tillage and direct sowing-no till on soil structure. **2014**, 40, 9-18 2
- 503 Soils and Plant Roots. **2014**, 221-249 2
- 502 Interactions between biological processes, cultivation and soil structure. **1984**, 307-318
- 501 Influence of soil type, crop and air drying on residual carbohydrate content and aggregate stability after treatment with periodate and tetraborate. **1984**, 339-347
- 500 Strength of Low and Variable Charge Soils. **1989**, 59-72
- 499 Influences of elemental interactions and pedogenic processes in organic matter dynamics. **1989**, 77-87
- 498 References. **1991**, 353-423
- 497 References. **1991**, 353-423
- 496 Immediate effect of wetting event on microbial biomass and carbohydrate production-mediated aggregation in desert soil. **1993**, 599-607
- 495 Influence of fir root zone on soil structure in a 23 m forest transect: the fractal approach. **1993**, 67-85 2

- 494 Measurement of proliferation and biomass of fungal hyphae and roots. **1993**, 317-330
- 493 Physikalische und chemische Methoden. **1993**, 343-373
- 492 The Soil as a Porous Medium. **1996**, 3-24
- 491 On the agronomic use of municipal solid waste compost: principles and applications. **1997**, 383-393
- 490 Residue Management Issues for Conservation Tillage Systems. **1998**,
- 489 An ecosystem approach to assess soil quality in organically and conventionally managed farms in Iceland and Austria. 1
- 488 Atributos Físicos de Cambissolo H^álico em vinhedos submetidos a intensidades de tr^âego. **2014**, 38, 1256-1267 1
- 487 Seasonal Dynamics of Arbuscular Mycorrhizal Fungi (AMF) in Forest Trees of Chittagong University Campus in Bangladesh. **2014**, 30, 277-284
- 486 Drought in forest understory ecosystems â novel rainfall reduction experiment.
- 485 Modeling Conservation Agriculture. **2015**, 181-193
- 484 Investigating microbial transformations of soil organic matter: synthesizing knowledge from disparate fields to guide new experimentation.
- 483 Soil aggregation, erodibility and erosion rates in mountain soils (NW-Alps, Italy).
- 482 Biochemical Fractionation of Soil Organic Matter after Incorporation of Organic Residues. **2015**, 05, 135-143 1
- 481 Arbuscular Mycorrhizal Fungus Mediate Changes in Mycorrhizosphere Soil Aggregates. **2015**, 06, 1455-1463 1
- 480 Winter Runoff of Nitrogen and Phosphorus from a Rotational Pen Design with Suckler Cows. **2015**, 06, 1248-1261
- 479 Remediation of degraded arable steppe soils in Moldova using vetch as green manure.
- 478 Is there variability in soil water content of leveled fields?. **2015**, 685-692
- 477 Soil Aggregation. 163-180 1

- 476 Microbially derived phytohormones in plant adaptation against abiotic stress. **2016**, 234-249
- 475 The Effect of Soil Texture on Fruits and Growth Properties in Rabbiteye Blueberries. **2015**, 48, 582-587
- 474 Detoxification of Acid Drainage Using Inorganic pH Buffers in a Constant Flow Bioreactor. **2016**, 195-224
- 473 Variation of Soil Properties in a Mollisol Profile Wall. **2016**, 165-189
- 472 Modification of Hydraulic Conductivity and Aggregation in Pyritic Mine Tailings Materials with Sludge and Decomposable Phyto-Organics. **2016**, 335-368
- 471 Aggregation of Sodic Subsoils Using Gypsum and Decomposable Phyto-organics: Interactions and Implications for Bauxite Red Muds. **2016**, 227-255
- 470 Successive Cultivation of Soybean/Corn Intercropped with *Urochloa brizantha* topdressed with Nitrogen. **2016**, 40,
- 469 Chromatography by Surface Area Exclusion. 1027-1038
- 468 Effect of Winter Crop Cultivation on Soil Organic Carbon and Physico-chemical Properties Under Different Rice-forage Cropping Systems in Paddy Soil. **2016**, 49, 335-340
- 467 Terrestrial Microbial Diversity. **2016**, 37-56
- 466 Mitigating Rainfall-Induced Sediment Hazard and Soil Erosion Using Organic Amended Soil Improvement. **2016**, 11, 1228-1237
- 465 Microbial Communities. **2017**, 1433-1438
- 464 Organo-Mineral Relationships. **2017**, 1629-1634
- 463 Aggregation: Soil Organic Matter (SOM) and. **2017**, 58-60
- 462 Crop Rotation and Farming Systems: Temperate Zone. **2017**, 504-506
- 461 Soil Carbon Stocks under Amazonian Forest: Distribution in the Soil Fractions and Vulnerability to Emission. **2017**, 07, 121-142
- 460 Influence of Biotic Pressure and Land-Use Changes. **2017**, 149-189
- 459 Quality: Erosion. **2017**, 1856-1858

- 458 Initial aggregate formation and soil carbon storage from lipid-extracted algae amendment. **2017**, 4, 743-762
- 457 Structure: Roots. **2017**, 2225-2227
- 456 Aggregation. **2017**, 55-57
- 455 Soil Organic Matter (SOM): Turnover. **2017**, 2186-2191
- 454 Structure. **2017**, 2207-2208
- 453 Using Mechanic Stirring Method to Assess the Stability Energy of Soil Aggregate. **2017**, 05, 33-40
- 452 Chapter 6 Phosphorus and the Environment. **2017**, 211-238
- 451 Rehabilitation of Biological Characteristics in Mine Tailings. **2017**, 75-94
- 450 Strain-level diversity drives alternative community types in millimeter scale granular biofilms.
- 449 Effect of Land Use on Soil Physical and Hydrological Properties on Sandstones Parent material in Akwa Ibom State, Nigeria. **2019**, 42-52
- 448 Water-dispersible Clay Content in Summer Rainy Season for Korean Irrigated Rice Paddy Fields as Affected by Cultivated Years Using Heavy Agro-machinery and Soil Properties. **2018**, 37, 317-323
- 447 Impact of Resource Conserving Technologies (RCT) on soil physical properties and rapeseed (*Brassica napus* L.) yield in irrigated agriculture areas of the South-Eastern Kazakhstan. **2019**, 8, 83-93 3
- 446 Reclamation is not the primary determinant of soil recovery from oil and gas development in Wyoming sagebrush systems. 1
- 445 Promoting Artificial Grasslands to Improve Carbon Sequestration and Livelihood of Herders. **2020**, 211-228
- 444 Microbial extracellular polysaccharide production and aggregate stability controlled by Switchgrass (*Panicum virgatum*) root biomass and soil water potential. 0
- 443 Variation in Soil Properties under Long-Term Irrigated and Non-Irrigated Cropping and Other Land-Use Systems in Dura Catchment, Northern Ethiopia.
- 442 Functional Behaviour of Soil Physical Parameters for Regulating Organic C Pools. **2020**, 233-247 0
- 441 Nanotechnology for Improved Carbon Management in Soil. **2020**, 403-415 1

440	Effect of Tillage on Soil Carbon Sequestration. 2020 , 213-229	0
439	Abiotic and Biotic Factors Influencing Soil Health and/or Soil Degradation. 2020 , 145-161	3
438	Soil Management and Tillage Practices for Growing Cotton Crop. 2020 , 9-30	
437	LINKING CROP WATER PRODUCTIVITY TO SOIL PHYSICAL, CHEMICAL AND MICROBIAL PROPERTIES. 2020 ,	1
436	Carbon Sequestration in Soil Aggregates under Different Cropping Patterns of Bangladesh. 2020 , 10, 459-485	0
435	Polivinil Alkol Uygulamasın Toprak Fiziksel ^ Ğzellikleri ve Mř Bitkisi (Zea mays L.) Geliřmi ^ Ğlerine Etkisi. 32-43	0
434	Rhizosphere Legacy: Plant Root Interactions with the Soil and Its Biome. 2021 , 129-153	1
433	Bridging Microbial Functional Traits With Localized Process Rates at Soil Interfaces. 2021 , 12, 625697	4
432	Soil organic carbon enhancement in diverse temperate riparian buffer systems in comparison with adjacent agricultural soils. 1	2
431	Future roots for future soils. 2021 ,	4
430	Effect of land-use on particulate organic carbon and carbohydrates distributions in dry- and wet-sieved stable aggregates in an ultisol. 2020 , 1-8	1
429	Using manure for improving nitrogen fertilization and maize yield. 2020 , 56, 901-914	0
428	Effects of vegetation restoration types on soil nutrients and soil erodibility regulated by slope positions on the Loess Plateau. 2022 , 302, 113985	4
427	Freeze-thaw controlled aggregation mechanism of humic acid-coated goethite: Implications for organic carbon preservation. 2022 , 406, 115514	0
426	Texture and degree of compactness effect on the pore size distribution in weathered tropical soils. 2022 , 215, 105215	2
425	Evolution of the transport properties of soil aggregates and their relationship with soil organic carbon following land use changes. 2022 , 215, 105226	2
424	Arbuscular mycorrhizal symbiosis enhances water stable aggregate formation and organic matter stabilization in Fe ore tailings. 2022 , 406, 115528	1
423	Potential of visible-near infrared spectroscopy for the determination of three soil aggregate stability indices. 2022 , 215, 105218	0

422	Distribution and functional groups of soil aggregate-associated organic carbon along a marsh degradation gradient on the Zoige Plateau, China. 2022 , 209, 105811	0
421	Northeastern California plateaus bioregion science synthesis.	1
420	Litter Decomposition and Soil Carbon Stocks in Mixed Plantations of Eucalyptus spp. and Nitrogen-Fixing Trees. 2020 , 57-90	0
419	Soil Carbon Sequestration as an Elusive Climate Mitigation Tool. 2020 , 337-353	
418	Soil aggregate size influences the impact of inorganic nitrogen deposition on soil nitrification in an alpine meadow of the Qinghai-Tibet Plateau. 2020 , 8, e8230	1
417	Spesifik Y^zey Alan-Belirlenmesinde Organik Madde, Kire^lve Demir Oksitlerin Uzakla^ftmasi^nemli. 205-211	
416	References. 2020 , 531-734	
415	Soil structure indices under different tillage systems of sandy loam soil in Hadejia, Jigawa state, Nigeria. 2020 , 12, 71-76	
414	Performance of vegetative and reproductive characters of some maize inbred line (Zea Mays L.) in ultisol soil applied with the coffee skin compost. 454, 012154	
413	Aggregate stability after 25 years of organic, conventional and grassland management.	
412	Neutral Sugar Content and Composition as a Sensitive Indicator of Fire Severity in the Andisols of an Araucaria^Nothofagus Forest in Southern Chile. 2021 , 13, 12061	
411	Soil Aggregate-Associated Carbon Fraction Dynamics during the Process of Tea (Camellia sinensis L.) Planting in Southern Guangxi, China. 2021 , 12, 1530	
410	Climate warming promotes deterministic assembly of arbuscular mycorrhizal fungal communities. 2021 ,	2
409	Improved global-scale predictions of soil carbon stocks with Millennial Version 2. 2021 , 108466	2
408	Pathways of biogenically excreted organic matter into soil aggregates. 2021 , 108483	6
407	Soil phosphorus fractions, aluminum, and water retention as affected by microbial activity in an Ultisol. 1990 , 122, 125-136	
406	Organo-Mineral Complexes and their Effects on the Physico-Chemical Properties of Soils. 32-49	
405	The Ultrastructure of Clay-Humic Complexes in an Iowa Mollisol. 95-118	

404 Orientation and Spacing of Columnar Peds in a Sodic, Texture Contrast Soil in Australia. **2008**, 163-198

403 Life in Extreme Environments: Insights in Biological Capability. **2020**,

402 Soil Ecosystems. **2020**, 5-44

401 The Rhizosphere/Mycorrhizosphere. **2020**, 251-286

400 Functional soil organic matter fractions in response to long-term fertilizer management in a double-cropping paddy field of southern China. **2020**, 158, 730-738

399 Abundance and community composition of free-living nematodes as a function of soil structure under different vineyard managements. **2022**, 170, 104291 1

398 Re-used mulching of plastic film is more profitable and environmentally friendly than new mulching. **2022**, 216, 105256 0

397 Ameliorating soil structure for the reservoir riparian: The influences of land use and dam-triggered flooding on soil aggregates. **2022**, 216, 105263 1

396 Exergy assessment of topsoil fertility. **2022**, 464, 109802 0

395 Onion-forage cropping systems on a Vertic Argiudoll in Uruguay: Onion yield and soil organic matter, aggregation, porosity and permeability. **2022**, 216, 105229 2

394 2D and 3D techniques to assess the structure and porosity of Oxisols and their correlations with other soil properties. **2022**, 210, 105899 2

393 Soil properties after one year of interseeded cover cropping in topographically diverse agricultural landscape. **2022**, 326, 107803 1

392 Soil and land use factors control organic carbon status and accumulation in agricultural soils of Lower Austria. **2022**, 409, 115595 1

391 Assessment of current and future land use/cover changes in soil erosion in the Rio da Prata basin (Brazil). **2021**, 151811 3

390 Assessment of Composted Pelletized Poultry Litter as an Alternative to Chemical Fertilizers Based on the Environmental Impact of Their Production. **2021**, 11, 1130 0

389 Physical and chemical stabilization of soil organic matter in cropland ecosystems under rice-wheat, maize-wheat and cotton-wheat cropping systems in northwestern India. 1-19 2

388 Changes in the Composition and Dynamics of Soil Humus and Physical Properties in Dark Chestnut Soils of Trans-Volga Dry Steppes After 75 and 35 years of Irrigation Agriculture. **2022**, 623-648

387 Impact of lime application on erosive strength and bulk density of aggregates. **2021**, 35, 301-306

386	Litter Quality and Microbes Explain Aggregation Differences in a Tropical Sandy Soil. 1	
385	Organic carbon and particle size distribution of aggregates from chernozem under arable land and shelterbelt. 2021 , 895, 012027	
384	Types of Physical Soil Degradation and Implications for Their Prevention and Monitoring. 2022 , 43-73	0
383	Optimizing organic amendment applications to enhance carbon sequestration and economic benefits in an infertile sandy soil. 2021 , 114129	2
382	Isotope analysis reveals differential impacts of artificial and natural afforestation on soil organic carbon dynamics in abandoned farmland. 1	1
381	Understanding and Monitoring Chemical and Biological Soil Degradation. 2022 , 75-124	0
380	Embracing the dynamic nature of soil structure: A paradigm illuminating the role of life in critical zones of the Anthropocene. 2021 , 225, 103873	5
379	Dynamics of soil inorganic phosphorus fractions at aggregate scales in a chronosequence of Chinese fir plantations. 2022 , 19, 136	1
378	Evaluation of Technosols constructed with construction and excavation debris for greenhouse production of ornamental plants. 1	1
377	Short-term effects of cover crops on soil properties and the abundance of N-cycling genes in citrus agroecosystems. 2022 , 172, 104341	2
376	Biogenic and physicogenic aggregates: formation pathways, assessment techniques, and influence on soil properties. 2021 , 45,	0
375	Anthracene Adsorption to Particles and Water-Stable Aggregates of Mangrove Sediment in Jiulong River Estuary, China. 2021 , 12, 809-823	
374	Presence and Production of Tuber Aestivum in Relation with the Soil Environment of a Semi-Natural Experimental Truffle Orchard in Spoleto, Central Italy.	
373	Forest harvest management systems and residual phytomass affecting physical properties of a sandy soil. 2021 , 45,	
372	Effects of gypsum, irrigation and tillage on a sodic Yellow Kandosol at Carnarvon, Western Australia. 2021 ,	
371	Intensification of water storage deficit in topsoil but not deep soil in a semi-humid forest after excluding precipitation for two years. 2022 , 605, 127374	
370	Afforestation-induced large macroaggregate formation promotes soil organic carbon accumulation in degraded karst area. 2022 , 505, 119884	1
369	Temperature and moisture alter organic matter composition across soil fractions. 2022 , 409, 115628	0

- 368 Soil aggregation, glomalin and enzyme activities under conservation tilled rice-wheat system in the Indo-Gangetic Plains. **2022**, 217, 105272 0
- 367 Synergism between goethite size and extracellular polymeric substances (EPS) in the formation of mineral-mineral and organo-mineral complexes of soil microaggregates. **2022**, 410, 115650 2
- 366 Biocrust succession improves soil aggregate stability of subsurface after 10-year Greening Project in the Hilly Loess Plateau, China. **2022**, 217, 105290 1
- 365 Optimizing residue and tillage management practices to improve soil carbon sequestration in a wheat-peanut rotation system.. **2022**, 306, 114468 0
- 364 Chapitre 2. Constituants originaux du sol : leur activité et interactions. **2011**, 39-65 1
- 363 Composition of Soil Aggregates and Nutrient Distribution Characteristics in Different Vegetation Restoration Stages in Karst Peak-Cluster Depression (China). 0
- 362 Carbon Sequestration and Climate Change Mitigation. **2021**, 487-537 0
- 361 Contribution of Erosion in Discharge-Induced Organic Carbon and Nitrogen Loss from Boreal Agricultural Mineral Soils. 0
- 360 Early-stage needle litter decomposition in a cowberry-type pine stand in relation to hydrothermal conditions and phytocoenotic factors. **2021**, 862, 012063 0
- 359 Soil Fertility Changes With Climate and Island Age in Galápagos: New Baseline Data for Sustainable Agricultural Management. 9, 0
- 358 Strategies to enhance soil quality using mid-infrared (mid-IR) spectroscopy as an alternate tool for conventional lab analysis: A global perspective. **2022**, 7, 100469 3
- 357 Lessons from a landmark 1991 article on soil structure: distinct precedence of non-destructive assessment and benefits of fresh perspectives in soil research. **2022**, 0
- 356 Retention of heavy metals by dredged sediments and their management following land application. **2022**, 191-254 1
- 355 The Effects of Agronomic Herbaceous Plants on the Soil Structure of Gold Mine Tailings and the Establishment of Boreal Forest Tree Seedlings. **2022**, 233, 1 0
- 354 Effects of long-term (70 years) nitrogen fertilization and liming on carbon storage in water-stable aggregates of a semi-arid grassland soil.. **2022**, 8, e08690 0
- 353 Non-additive effects of nitrogen and phosphorus fertilization on microbial biomass and residue distribution in a subtropical plantation. **2022**, 108, 103376 0
- 352 Carbon and Nitrogen Occluded in Soil Aggregates Under Cacao-Based Agroforestry Systems in Southern Bahia, Brazil. 1 0
- 351 Changes in soil aggregate-associated organic carbon, enzymatic activity, and biological pools under conservation agriculture based practices in rice-wheat system. 1 2

350	Soil aggregate stability of forest islands and adjacent ecosystems in West Africa.	1
349	Assessment of Soil Physical Quality and Water Flow Regulation under Straw Removal Management in Sugarcane Production Fields. 2022 , 14, 841	0
348	A contribution of molecular modeling to supramolecular structures in soil organic matter #. 2022 , 185, 44-59	2
347	Soil carbohydrate and aggregation as affected by carbohydrate composition of paper mill biosolids.	
346	Soil organic matter formation, persistence, and functioning: A synthesis of current understanding to inform its conservation and regeneration. 2022 , 1-66	5
345	Responses of soil organic carbon, aggregate diameters and hydraulic properties to long-term organic and conventional farming on a Vertisol in India.	1
344	Disentangling the impact of contrasting agricultural management practices on soil microbial communities –Importance of rare bacterial community members. 2022 , 166, 108573	3
343	Green manuring and crop residue management: Effect on soil organic carbon stock, aggregation, and system productivity in the foothills of Eastern Himalaya (India). 2022 , 218, 105318	6
342	Can C-budget of natural capital be restored through conservation agriculture in a tropical and subtropical environment?. 2022 , 298, 118817	1
341	Carbon sequestration capacity in no-till soil decreases in the long-term due to saturation of fine silt plus clay-size fraction. 2022 , 412, 115711	0
340	Spatial statistical modeling of arsenic accumulation in microsites of diverse soils. 2022 , 411, 115697	1
339	A revisit of sandblasting technique to measure soil crust strength. 2022 , 212, 106073	
338	Incorporating solution alkalinity into a hydraulic reduction model to account for disaggregation and dispersion. 2022 , 413, 115742	
337	Do fallow in the off-season and crop succession promote differences in soil aggregation in no-tillage systems?. 2022 , 412, 115725	
336	Impacts of soil organic carbon and tillage systems on structural stability as quantified by the high energy moisture characteristic (HEMC) method. 2022 , 1, 13-26	0
335	Spatial modeling of soil organic carbon using remotely sensed indices and environmental field inventory variables.. 2022 , 194, 152	0
334	Land use effects on tree species diversity and soil properties of the Awudua Forest, Ghana. 2022 , 34, e02051	0
333	Intense wet-dry cycles weakened the carbon sequestration of soil aggregates in the riparian zone. 2022 , 212, 106117	1

- 314 No-Tillage Does Not Always Stop the Soil Degradation in Relation to Aggregation and Soil Carbon Storage in Mediterranean Olive Orchards. **2022**, 12, 407 0
- 313 A comparison of hard and soft direct methods for DNA extraction from soil.
- 312 Organic Carbon and Aggregate Stability of Three Contrasting Soils as Affected by Arable Agriculture and Improved Pasture in Northern KwaZulu-Natal, South Africa. 1
- 311 THE SCIENCE AND SEMANTICS OF "SOIL ORGANIC MATTER STABILIZATION" **2022**, 13-49
- 310 MICROBE-BIOMOLECULE-MINERAL INTERFACIAL REACTIONS. **2022**, 117-140
- 309 Fungal hyphae develop where titanomagnetite inclusions reach the surface of basalt grains.. **2022**, 12, 3407 0
- 308 Distinct stabilization characteristics of organic carbon in coastal salt-affected soils with different salinity under straw returning. 1
- 307 Soil type-dependent effects of drying-wetting sequences on aggregates and their associated OC and N. **2022**, 0
- 306 Effect of plastic pollution in soil properties and growth of grass species in semi-arid regions: a laboratory experiment.. **2022**, 1 2
- 305 Soil Aggregate Stability in Salt-Affected Vineyards: Depth-Wise Variability Analysis. **2022**, 11, 541
- 304 Mechanisms controlling the stabilization of soil organic matter in agricultural soils as amended with contrasting organic amendments: Insights based on physical fractionation coupled with C NMR spectroscopy.. **2022**, 153853 0
- 303 Soil physical quality in the topsoil of integrated and non-integrated grazing systems in a Brazilian Ferralsol. **2022**, 220, 105357
- 302 Micro- within macro: How micro-aggregation shapes the soil pore space and water-stability. **2022**, 415, 115771 0
- 301 Aggregate size distribution of arid and semiarid laboratory soils (<2 mm) as predicted by VIS-NIR-SWIR spectroscopy. **2022**, 416, 115819 0
- 300 Irrigation effects on the formation of soil organic matter from aboveground plant litter inputs in semiarid agricultural systems. **2022**, 416, 115804 1
- 299 Tracking in-situ soil aggregate turnover under raindrop impact and wetting-drying cycles using rare earth elements. **2022**, 213, 106227
- 298 An ecological indicator system for shallow landslide analysis. **2022**, 214, 106211 0
- 297 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

- 296 Effects of long-term nitrogen addition and precipitation reduction on glomalin-related soil protein and soil aggregate stability in a temperate forest. **2022**, 214, 106284 0
- 295 Reduced plant water use can explain higher soil moisture in organic compared to conventional farming systems. **2022**, 332, 107915 1
- 294 Straw Mulching with Minimum Tillage Is the Best Method Suitable for Straw Application under Mechanical Grain Harvesting. **2021**, 2021, 1-12 0
- 293 Root Biomass Distribution and Soil Physical Properties of Short-Rotation Coppice American Sycamore (*Platanus occidentalis* L.) Grown at Different Planting Densities. **2021**, 12, 1806 2
- 292 Crop yields and soil organic matter pools in zero-till direct-seeded rice-based cropping systems as influenced by fertigation levels in the Indo-Gangetic plains in India. **2022**, 13, 78-89 1
- 291 Response of Potential Indicators of Soil Quality to Land-Use and Land-Cover Change under a Mediterranean Climate in the Region of Al-Jabal Al-Akhdar, Libya. **2022**, 14, 162 0
- 290 The combined use of silicon/nanosilicon and arbuscular mycorrhiza for effective management of stressed agriculture: Action mechanisms and future prospects. **2022**, 241-264
- 289 The Combined Application of Mineral Fertilizer and Organic Amendments Improved the Stability of Soil Water-Stable Aggregates and C and N Accumulation. **2022**, 12, 469 1
- 288 Microbial Residual Nitrogen Distribution in Brown Earth Aggregates as Affected by Different Maize Residues and Soil Fertility Levels. **2022**, 10,
- 287 Different fall/winter cover crop root patterns induce contrasting red soil (Ultisols) mechanical resistance through aggregate properties. 1 0
- 286 Effects of organic amendment incorporation on maize (*Zea mays* L.) growth, yield and water-fertilizer productivity under arid conditions. **2022**, 269, 107663 2
- 285 Effects of long-term manure substitution regimes on soil organic carbon composition in a red paddy soil of southern China. **2022**, 221, 105395 0
- 284 How do climate warming affect soil aggregate stability and aggregate-associated phosphorus storage under natural restoration?. **2022**, 420, 115891 0
- 283 Aggregate stability and size distribution regulate rainsplash erosion: Evidence from a humid tropical soil under different land-use regimes. **2022**, 420, 115880 0
- 282 Image_1.JPEG. **2018**,
- 281 Data_Sheet_1.PDF. **2018**,
- 280 Data_Sheet_2.pdf. **2018**,
- 279 Data_Sheet_3.pdf. **2018**,

278 Image_1.pdf. **2018,**

277 Image_2.pdf. **2018,**

276 Image_3.pdf. **2018,**

275 Image_4.pdf. **2018,**

274 Image_5.pdf. **2018,**

273 Image_6.pdf. **2018,**

272 Image_7.pdf. **2018,**

271 Image_8.pdf. **2018,**

270 Image_9.pdf. **2018,**

269 Table_1.pdf. **2018,**

268 Table_2.pdf. **2018,**

267 Table_1.DOCX. **2018,**

266 Image_1.TIF. **2019,**

265 Data_Sheet_1.docx. **2019,**

264 Data_Sheet_1.PDF. **2018,**

263 Data_Sheet_1.PDF. **2019,**

262 Data_Sheet_1.docx. **2019,**

261 Data_Sheet_1.docx. **2020,**

260 Data_Sheet_2.xlsx. **2020**,

259 Data_Sheet_1.DOCX. **2020**,

258 Data_Sheet_1.PDF. **2019**,

257 Data_Sheet_1.pdf. **2018**,

256 Table_1.docx. **2018**,

255 Data_Sheet_1.xlsx. **2020**,

254 Table_1.docx. **2020**,

253 Table1.DOCX. **2018**,

252 Table2.DOCX. **2018**,

251 Table3.DOCX. **2018**,

250 Table4.DOCX. **2018**,

249 Table5.DOCX. **2018**,

248 Ecology, Physiology, and Diversity of Piezophilic Fungi. **2022**, 141-170

247 Effects of Oxides on the Formation and Stabilization of Ultisol Aggregates in Masson Pine Forests of Subtropical China.

246 Mycorrhizal Controls of Soil Aggregate Formation.

245 Model Proposal for Adjusting the Resistance Curve to Penetration in Oxisol Under No-Till Conditions.

244 Long-Term Effects of Biochar on Soil Physical and Hydrological Properties in Crosby Silt Loam in Central Ohio, USA.

243 Microbe-mediated alleviation of heat stress in plant: Current trends and applications. **2022**, 129-147

- 242 Drivers of the Amount of Organic Carbon Protected Inside Soil Aggregates Estimated by Crushing: A Meta-Analysis.
- 241 Straw residue incorporation and potassium fertilization enhances soil aggregate stability by altering soil content of iron oxide and organic carbon in a rice-rapeseed cropping system. ○
- 240 An integrated framework to identify and map gullies in a Mediterranean region of Turkey. 1-21 ○
- 239 Linkage between aggregate stability of granitic soils and the permanent gully erosion in subtropical China. **2022**, 221, 105411 ○
- 238 Macroaggregation is promoted more effectively by organic than inorganic fertilizers in farmland ecosystems of China—a meta-analysis. **2022**, 221, 105394 ○
- 237 Humus: Dark side of life or intractable “ether”? **2022**, 32, 660-664 ○
- 236 Modifying soil properties with herbaceous plants for natural flood risk-reduction. **2022**, 180, 106668 1
- 235 Contribution of rhizodeposit associated microbial groups to SOC varies with maize growth stages. **2022**, 422, 115947 ○
- 234 Mechanisms of aggregate breakdown in (sub) tropical soils: Effects of the hierarchical resistance. **2022**, 216, 106377 ○
- 233 Facets of AM Fungi in Sequestering Soil Carbon and Improving Soil Health. **2022**, 327-344 1
- 232 Land-use affecting organic carbon and its active components in soil aggregates in China. **2022**, 46,
- 231 Belowground processes and sustainability in agroecosystems with intercropping. 2
- 230 Aggregate dynamics and intra-aggregate carbon contents as influenced by long-term wheat production management in semi-arid South Africa. 1-8
- 229 Fifteen years of conservation tillage increases soil aggregate stability by altering the contents and chemical composition of organic carbon fractions in Mollisols. ○
- 228 Impact of Long Term Nutrient Management on Soil Quality Indices in Rice-Wheat System of Lower Indo-Gangetic Plain. **2022**, 14, 6533
- 227 Study on soil-water characteristic curves in the profiles of collapsing walls of typical granite Benggang in southeast China. 10, e13526 ○
- 226 Interactive effects of conservation tillage on the aggregate stability and soil organic carbon #.
- 225 Bacterial extracellular polymeric substances: Impact on soil microbial community composition and their potential role in heavy metal-contaminated soil. **2022**, 240, 113701 ○

- 224 Landslides: An emerging model for ecosystem and soil chronosequence research. **2022**, 231, 104064 ○
- 223 Mycorrhizal product glomalin: a proficient agent of nutrient sequestration and soil fertility restoration under jeopardized agroecosystem. **2022**, 781-794
- 222 What Influence Does Conventional Tillage Have on the Ability of Soils to Sequester Carbon, Stabilise It and Become Saturated in the Medium Term? A Case Study in a Traditional Rainfed Olive Grove. **2022**, 14, 7097 ○
- 221 The formation of small macro-aggregates induces soil organic carbon stocks in the restoration process of cut slope in alpine regions. ○
- 220 Enhancing Long-Term No-Till Wheat Systems with Cover Crops and Flash Grazing. **2022**, 100067 1
- 219 Potential of rheometry in detecting cohesive soils in Brazil as an additional tool to morphological field description and tensile resistance quantification. **2022**, e00553
- 218 Electrochemical Effects on Clay Dispersion in Rhizo- and Non-rhizospheric Soils.
- 217 Chemical Structure of the Organic Matter of Water-Stable Structural Units in Haplic Chernozem under Contrasting Land Uses: Solid-State CP-MAS ¹³C-NMR Spectroscopy. **2022**, 55, 734-744 ○
- 216 Proximal and distal mechanisms through which arbuscular mycorrhizal associations alter terrestrial denitrification. ○
- 215 Working with UK farmers to investigate anecic earthworm middens and soil biophysical properties.
- 214 Variations in the chemical structure and Carbon-13 natural abundance in water-stable macro- and microaggregates in Haplic Chernozem under the contrasting land use variants. **2022**, 113701
- 213 Investigating Factors Affecting Stability of Volcanic Ash Soil Aggregates under Heat. **2022**, 6, 51
- 212 Biochar granulation, particle size, and vegetation effects on leachate water quality from a green roof substrate. **2022**, 318, 115506 1
- 211 The combined use of silicon and arbuscular mycorrhizas to mitigate salinity and drought stress in rice. **2022**, 201, 104955 ○
- 210 Effects of soil erosion and soil amendment on soil aggregate stability in the cultivated-layer of sloping farmland in the Three Gorges Reservoir area. **2022**, 223, 105447 1
- 209 Presence and production of *Tuber aestivum* in relation with the soil environment of a semi-natural experimental truffle orchard in Spoleto, Central Italy. **2022**, 178, 104565 ○
- 208 Molecular Approaches of Microbial Diversity in Agricultural Soil. **2022**, 1-35
- 207 Cover Crop Effects on Near-Surface Soil Aggregate Stability in the Southern Mississippi Valley Loess (MLRA 134). **2022**, 13, 741-757 1

206	Aggregate-Associated Carbon Contributes to Soil Organic Carbon Accumulation Along the Elevation Gradient of Helan Mountains.	
205	Perspectives and strategies to increase the microbial-derived soil organic matter that persists in agroecosystems. 2022,	0
204	Regulation of soil organic carbon stock with physical properties in alluvial soils of Bihar. 2022, 23, 309-314	0
203	The Shift of Soil Bacterial Community After Afforestation Influence Soil Organic Carbon and Aggregate Stability in Karst Region. 13,	2
202	Response of earthworms to changes in the aggregate structure of floodplain soils. 2022, 1049, 012062	
201	Physical fractions of organic matter and mineralizable soil carbon as quality indicators in areas under different forms of use in the Cerrado-Pantanal Ecotone. 2022, 194,	0
200	Interacting effects of root exudate compounds and $\delta^{13}\text{C}$ -barley shoot residue on micro-mechanical behaviour of soil measured by rheometry.	
199	Perspectives from the Fritz-Scheffer Awardee 2021: Soil organic matter storage and functions determined by patchy and piled-up arrangements at the microscale.	0
198	Viscoelasticity and shear resistance at the aggregate-scale of structured and organic carbon-free chernozems. 2022,	
197	Fallow Land Enhances Carbon Sequestration in Glomalin and Soil Aggregates Through Regulating Diversity and Network Complexity of Arbuscular Mycorrhizal Fungi Under Climate Change in Relatively High-Latitude Regions. 13,	
196	Divergent responses of aggregate stability to long-term mineral and organic amendments between upland and paddy soils.	0
195	Ameliorating alkaline dispersive subsoils with organic amendments: Are productivity responses due to nutrition or improved soil structure?.	1
194	Reclamation of Salt-Affected Land: A Review. 2022, 6, 61	0
193	Soil aggregate modulates microbial ecological adaptations and community assemblies in agricultural soils. 2022, 172, 108769	0
192	Effects of <i>Dodonaea viscosa</i> Afforestation on Soil Nutrients and Aggregate Stability in Karst Graben Basin. 2022, 11, 1140	1
191	Elucidation of 3D Chemical and Physical Architecture of Soil Microstructures by Correlating Spectro-Microscopic Techniques and Developing Novel Computational Methods. 2022, 28, 912-913	
190	Organic amendments and gypsum reduce dispersion and increase aggregation of two sodic Vertisols. 2022, 425, 116047	0
189	Amelioration of Organic Carbon and Physical Health of Structurally Disturbed Soil through Microbe-Manure Amalgam. 2022, 10, 1506	1

- 188 Effect of Integrated Use of Rapeseed Cake, Biochar and Chemical Fertilizers on Root Growth, Nutrients Use Efficiency and Productivity of Tea. **2022**, 12, 1823
- 187 Management Practices Affect Soil Carbon and Physical Quality in Oil Palm Agroforestry Systems in the Amazon.
- 186 Soil nutrient contents and stoichiometry within aggregate size classes varied with tea plantation age and soil depth in southern Guangxi in China. **2022**, 8, 487-505 1
- 185 Mineralisation of ryegrass and soil organic matter as affected by ryegrass application doses and changes in soil structure. **2022**, 58, 679-691
- 184 Soil carbon sequestration and aggregate stability improvement by tillage methods in China's Loess Plateau. 1-16
- 183 Variations of soil organic carbon fractions in response to conservative vegetation successions on the Loess Plateau of China. **2022**, 0
- 182 Evaluating Chemical Suppression Treatments to Alter the Red: Far-Red Ratio in Perennial Groundcovers for Maize Production. **2022**, 12, 1854
- 181 Dynamic Interplay of Soil and Microbes for Sustainable Ecological Balance. **2022**, 113-120
- 180 The Soil Aggregates and Associated Organic Carbon across the Greater Khingan Mountains: Spatial Patterns and Impacting Factors. **2022**, 13, 1267
- 179 Impact of Revegetation on Ecological Restoration of a Constructed Soil in a Coal Mining in Southern Brazil.
- 178 Individual and mixed effects of slag and biochar on soil aggregates and their carbon concentration and on fungal community structure in subtropical early and late paddy fields.
- 177 Aggregation and Carbon Stabilization in Constructed Technosols Under an Urban Milpa System.
- 176 A quantitative study of the influence of soil organic carbon and pore characteristics on the stability of aggregates of the karst peak-cluster depression area in Southwest China. 0
- 175 Bioremediation of a saline-alkali soil polluted with Zn using ryegrass associated with *Fusarium incarnatum*. **2022**, 119929 0
- 174 Litter Inputs Control the Pattern of Soil Aggregate-Associated Organic Carbon and Enzyme Activities in Three Typical Subtropical Forests. **2022**, 13, 1210 1
- 173 Engineering clay minerals to manage the functions of soils. 1-42
- 172 Composite index for soil-related ecosystem services assessment: Insights from rainforest-pasture transitions in the Colombian Amazon. **2022**, 57, 101463 1
- 171 Soil macroaggregates determine soil organic carbon in the natural grasslands of the Loess Plateau. **2022**, 218, 106533

- 170 Humification evaluation and carbon recalcitrance of a rapid thermochemical digestate fertiliser from degradable solid waste for climate change mitigation in the tropics. **2022**, 849, 157752
- 169 Carbon saturation deficit and litter quality drive the stabilization of litter-derived C in mineral-associated organic matter in long-term no-till soil. **2022**, 219, 106590 ○
- 168 Structural heterogeneity of soil clods: Correlating Weibull parameters to fracture surface topography. **2022**, 428, 116161 ○
- 167 Forest conversion effects on soil organic carbon are regulated by soil aggregate stability and not by recalcitrance: Evidence from a reforestation experiment. **2022**, 219, 106613 ○
- 166 Drivers of the amount of organic carbon protected inside soil aggregates estimated by crushing: A meta-analysis. **2022**, 427, 116089 1
- 165 Effects of nitrogen-enriched biochar on subtropical paddy soil organic carbon pool dynamics. **2022**, 851, 158322 ○
- 164 Soil macroaggregation drives sequestration of organic carbon and nitrogen with three-year grass-clover leys in arable rotations. **2022**, 852, 158358 ○
- 163 Plant biomass amendment regulates arbuscular mycorrhizal role in organic carbon and nitrogen sequestration in eco-engineered iron ore tailings. **2022**, 428, 116178 ○
- 162 Aggregation rate as a function of soil organic matter in heavy clayey Ferralsols. **2022**, 46, ○
- 161 Microbiome Structure and Interconnection in Soil Aggregates Across Conservation and Conventional Agriculture Allow to Identify Main Prokaryotic and Fungal Taxa Related to Soil Functioning. ○
- 160 Vertical distribution of soil aggregates and associated organic carbon fractions under conventional vegetable- and rice-based tillage operations. **2022**, ○
- 159 Assessing how cover crops close the soil health gap in on-farm experiments. **2022**, 7, ○
- 158 Accelerating soil aggregate formation: a review on microbial processes as the critical step in a post-mining rehabilitation context. **2022**, ○
- 157 A Brief Introduction to Hot Desert Environments: Climate, Geomorphology, Habitats, and Soils. **2022**, 1-36 ○
- 156 Soil Physical Quality Effects of Novel Perennial Grain Cropping at Two Contrasting Sites in Alberta, Canada. ○
- 155 Soil Carbon and Nitrogen Stock and Their Spatial Variability Along an Exclosure Chronosequence at Kewet District, Central Dry Lowlands of Ethiopia. **2022**, 15, 117862212211245 ○
- 154 Alteration of the organic matter fractions in soil cultivated with sugarcane in the Cerrado-Amazon transition zone. 52, ○
- 153 Soluble Glucose Improves Macroaggregate Persistence to Wetting Disturbance. ○

- 152 Assessment of Carbon Pools and Stability of Soil Aggregates in Inceptisols of Indo-Gangetic Plains as Influenced by Seven-Year Continuous Tillage Practices Under Maize-Based Cropping System. 1-15 0
- 151 Microbiome structure and interconnection in soil aggregates across conservation and conventional agricultural practices allow to identify main prokaryotic and fungal taxa related to soil functioning. **2022**, 108833 1
- 150 The effects of co-utilizing green manure and rice straw on soil aggregates and soil carbon stability in a paddy soil in South China. **2022**, 0
- 149 Impact of Long-Term Nutrient Supply Options on Soil Aggregate Stability after Nineteen Years of Rice-Wheat Cropping System. **2022**, 11, 1465 1
- 148 Comprehensive Assessment of the Influence of Applying Two Kinds of Chicken-Manure-Processed Organic Fertilizers on Soil Properties, Mineralization of Nitrogen, and Yields of Three Crops. **2022**, 12, 2355 1
- 147 Climate change stress alleviation through nature based solutions: A global perspective. 13, 0
- 146 Infectivity and symbiotic efficiency of native arbuscular mycorrhizal fungi from high-input arable soils. 0
- 145 Plant litter chemistry controls coarse-textured soil carbon dynamics. 0
- 144 Reconciling concepts of black queen and tragedy of the commons in simulated bulk soil and rhizosphere prokaryote communities. 13, 0
- 143 Study on the mechanism of the black crust formation on the ancient marble sculptures and the effect of pollution in Beijing area. **2022**, 8, e10442 1
- 142 Can molecular genetic techniques improve our understanding of the role the microbial biomass plays in soil aggregation?. 0
- 141 Comparisons of soil organic carbon enrichment and loss in sediments among red soil, black soil, and loess in China. **2022**, 4, 0
- 140 Potential erodibility of semi-arid steppe soils derived from aggregate stability tests. **2022**, 73, 0
- 139 Soil bacterial community structure as affected by stand age in Chinese fir plantations: Insights at the aggregate scale. 0
- 138 Characterization of aggregate-stabilized dissolved organic matter release - A novel approach to determine soil health advances of conservation farming systems. 0
- 137 Environmental implications of agricultural abandonment on Fe cycling: Insight from iron forms and stable isotope composition in karst soil, southwest China. **2022**, 215, 114377 0
- 136 Evaluation of Combined Landscape Restoration Practices on Soil Organic Carbon Stocks in Semiarid Regions of Burkina Faso. **2022**, 12, 503-522 0
- 135 Effects of 10 Years of the Return of Corn Straw on Soil Aggregates and the Distribution of Organic Carbon in a Mollisol. **2022**, 12, 2374 0

134	Soil Enzyme Activities Affect SOC and TN in Aggregate Fractions in Sodic-Alkali Soils, Northeast of China. 2022 , 12, 2549	1
133	Impact of topsoil mining for unfired mudbricks on soil quality in eastern KwaZulu-Natal , South Africa.	0
132	Can microplastics mediate soil properties, plant growth and carbon/nitrogen turnover in the terrestrial ecosystem?. 2022 , 8,	0
131	Contrasting response of fungal versus bacterial residue accumulation within soil aggregates to long-term fertilization. 2022 , 12,	0
130	Physical, Chemical, and Biological Indicators of Soil Quality in Mediterranean Vineyards under Contrasting Farming Schemes. 2022 , 12, 2643	0
129	Effects of innovative long-term soil and crop management on topsoil properties of a Mediterranean soil based on detailed water retention curves. 2022 , 8, 655-671	0
128	Rapid improvement in soil health following the conversion of abandoned farm fields to annual or perennial agroecosystems. 6,	0
127	Remediating Garden Soils: EDTA-Soil Washing and Safe Vegetable Production in Raised Bed Gardens. 2022 , 10, 652	0
126	Bone diagenesis in dry tropic forest necrosols. 2022 , 14,	0
125	Process sequence of soil aggregate formation disentangled through multi-isotope labelling. 2022 , 116226	0
124	Does pyrolysis temperature determine soil phosphorus bioavailability and uptake on peri-urban cropland amended with poultry litter biochar?.	0
123	How does soil water status influence the fate of soil organic matter? A review of processes across scales. 2022 , 234, 104214	0
122	Free-living soil nematode community structure and distribution within soil aggregates under conventional and organic vineyard managements. 2022 ,	0
121	Arbuscular mycorrhizal fungi alleviate erosion-induced soil nutrient losses in experimental agro-ecosystems. 2023 , 220, 106687	0
120	Carbon storage in an arable soil combining field measurements, aggregate turnover modeling and climate scenarios. 2023 , 220, 106708	1
119	Soil microbial communities vary in composition and functional strategy across soil aggregate size class regardless of tillage. 2022 , 10,	0
118	Termite bioturbation: Fungal versus non-fungal building strategies lead to different soil sheeting stability. 2023 , 176, 108868	0
117	The response of soil physical quality parameters to a perennial grain crop. 2023 , 343, 108265	0

- 116 Organic fertilizer substitution promotes soil organic carbon sequestration by regulating permanganate oxidizable carbon fractions transformation in oasis wheat fields. **2023**, 221, 106784 1
- 115 Soil structure under tillage systems with and without cultivation in the off-season. **2023**, 342, 108237 0
- 114 Changes in the Physical, Chemical, and Bacterial Community Characteristics of Soil in Response to Short-Term Combined Organic&Inorganic Fertilizers in a Dry Direct-Seeded Paddy Field. **2022**, 12, 2808 0
- 113 Distribution of Organic Carbon Fractions in Soil Aggregates and Their Contribution to Soil Aggregate Formation of Paddy Soils. 1-17 0
- 112 Progress on the Effect of Nitrogen on Transformation of Soil Organic Carbon. **2022**, 10, 2425 0
- 111 Monitoring Culturable Wastelands Using Satellite Images in A Part of Tarai Region of Uttar Pradesh. 232102492211275 0
- 110 Organic matter governs weathering rates and microstructure evolution during early pedogenesis. **2023**, 429, 116269 1
- 109 Stability, labile organic carbon, and glomalin of biogenic aggregates in sandy soils under management systems in the subtropical region of Brazil. **2022**, 46, 0
- 108 Soil particle aggregation and aggregate stability associated with ion specificity and organic matter content. **2023**, 429, 116285 0
- 107 Soil aggregate disintegration effects on soil erodibility in the water level fluctuation zone of the Three Gorges Reservoir, China. **2023**, 217, 114928 0
- 106 Contributions of mycorrhizal fungi to soil aggregate formation during subalpine forest succession. **2023**, 221, 106800 0
- 105 The effects of soil properties and aggregation on sensitivity to erosion by water and wind in two Mediterranean soils. **2023**, 221, 106787 1
- 104 Soil carbon, nitrogen, and biotic properties after long-term no-till and nitrogen fertilization in a subtropical Vertisol. **2023**, 227, 105614 0
- 103 Functional stability: From soil aggregates to landscape scale in a region severely affected by gully erosion in semi-arid central Mexico. **2023**, 222, 106864 0
- 102 Physical restoration of a minesoil after 10.6 years of revegetation. **2023**, 227, 105599 0
- 101 Improved soil composition promotes nutrient recovery during vegetation restoration in karst peak-cluster depressions. **2023**, 222, 106769 1
- 100 Stability, labile organic carbon, and glomalin of biogenic aggregates in sandy soils under management systems in the subtropical region of Brazil. **2022**, 46, 0
- 99 Land use impact on soil structure of Pseudogleys in southern Maŕa and Pocerina, Serbia. **2022**, 71, 1-14 0

- 98 Diverse temperate riparian buffer types promote system-level carbon sequestration in southern Ontario, Canada. **2022**, 98, 103-118 ○
- 97 Linking soil aggregation to organic matter chemistry in a Calcic Cambisol: evidence from a 33-year field experiment. ○
- 96 The effect of tea plantation age on soil water-stable aggregates and aggregate-associated carbohydrate in southwestern China. **2022**, ○
- 95 Keeping thinning-derived deadwood logs on forest floor improves soil organic carbon, microbial biomass, and enzyme activity in a temperate spruce forest. ○
- 94 Incorporation of fine root detritus into forest soil organic matter. ○
- 93 Water Retention Potential in Novel Terrestrial Ecosystems Restored on Post-Mine Sites: A Review. **2023**, 14, 18 ○
- 92 Aggregate-associated carbon contributes to soil organic carbon accumulation along the elevation gradient of Helan Mountains. **2022**, 108926 ○
- 91 Soil Quality Assessment of Different Land Use Types Based on TOPSIS Method in Hilly Sandy Area of Loess Plateau, Northern China. **2022**, 19, 17059 ○
- 90 Nutrient addition affects stability of soil organic matter and aggregate by altering chemical composition and exchangeable cations in desert steppe in northern China. ○
- 89 Dynamics of Soil Acidity, Structural Aggregate State, and Carbon Stocks in Agro-Dark-Humus Podbels in the Postagrogenic Development. **2022**, 55, 1733-1740 ○
- 88 Effects of different amendments on aggregate stability and microbial communities of coastal saline-alkali soil in the Yellow River Delta. ○
- 87 Microscale spatial distribution and soil organic matter persistence in top and subsoil. **2022**, 108921 ○
- 86 The Assessment of Soil Quality in Contrasting Land-Use and Tillage Systems on Farm Fields with Stagnic Luvisol Soil in Estonia. **2022**, 12, 2149 1
- 85 Long-term nutrient management effects on soil aggregation and C stabilization in Vertisols of Central India. ○
- 84 Afforestation of agricultural land affects soil structural stability and related preconditions to resist drought. **2022**, 68, 496-508 ○
- 83 Design and Construction of a Prototype for Arsenic Retention in Mining-Contaminated Waters by Application of Nanoparticles-Based Technosols. **2023**, 15, 1286 1
- 82 Anthropogenic, Carbon-Reinforced Soil as a Living Engineered Material. ○
- 81 Soil Aggregates Are Governed by Spacing Configurations in Alfalfa-Jujube Tree Intercropping Systems. **2023**, 13, 264 ○

- 80 Chemical Composition of Organic Carbon in Aggregate Density Fractions Under Cacao Agroforestry Systems in South Bahia, Brazil. ○
- 79 Evaluate soil C stability by combining $\delta^{13}\text{C}$ and soil aggregates after afforestation and thinning on larch plantations. ○
- 78 Aggregation Stability and Carbon Pools in Extremely Kaolinitic Soils from the East Coast of Brazil as Affected by Land Use Changes. **2023**, 15, 1204 ○
- 77 Cropping systems and agricultural management strategies affect soil organic carbon dynamics in semi-arid regions. 6, 1
- 76 The influence of plant residues on soil aggregation and carbon content: A meta-analysis. ○
- 75 Preferential Erosion of Soil Organic Carbon and Fine-Grained Soil Particles—An Analysis of 82 Rainfall Simulations. **2023**, 13, 217 ○
- 74 Contribution of soil physical properties in the assessment of flood risks in tropical areas: case of the Mbo plain (Cameroon). ○
- 73 Quantifying mineral-associated organic matter in wetlands as an indicator of the degree of soil carbon protection. **2023**, 430, 116327 ○
- 72 Exploring plant and soil microbial communities as indicators of soil organic carbon in a California rangeland. **2023**, 178, 108952 ○
- 71 Under-vine cover crops: Impact on physical and biological soil proprieties in an irrigated Mediterranean vineyard. **2023**, 311, 111797 ○
- 70 Raindrop-impact-induced ejection characteristics of surface particles for soils with a textural gradient. **2023**, 223, 106930 ○
- 69 Depth-dependent drivers of soil aggregate carbon across Tibetan alpine grasslands. **2023**, 867, 161428 ○
- 68 Long-term C and N sequestration under no-till is governed by biomass production of cover crops rather than differences in grass vs. legume biomass quality. **2023**, 228, 105630 ○
- 67 Combined effects of earthworms and biochar on PAHs-contaminated soil remediation: A review. **2023**, 5, ○
- 66 Soil water balance and wettability methods in soil treated with biochar and/or compost. **2022**, 1, ○
- 65 Effects of Different Exogenous Organic Materials on Improving Soil Fertility in Coastal Saline-Alkali Soil. **2023**, 13, 61 ○
- 64 Effects of Olive Mill Wastewater on Soil Physical and Hydraulic Properties: a Review. **2023**, 234, ○
- 63 Effects of poultry manure on structure and some indicators of fertility in tropical soils. 1-11 ○

- 62 Challenges in the Management of Environmentally Fragile Sandy Soils in Southern Brazil. **2023**, 7, 9 ○
- 61 Composted biosolids amendments for enhanced soil organic carbon and water storage in perennial pastures in Colorado. **2023**, 347, 108401 ○
- 60 Soil evolution in basaltic parent materials under successive climate changes, Saudi Arabia. **2023**, 224, 106965 ○
- 59 Physico-chemical properties of soils derived from different geologic formations in typical rainfall agro-ecological zone. **2023**, 48, 16-27 ○
- 58 A Farmers's Synthesis on the Effects of Vermicomposts on Soil Properties. **2023**, 189-201 ○
- 57 Arbuscular mycorrhizal fungi regulate plant mineral nutrient uptake and partitioning in iron ore tailings undergoing eco-engineered pedogenesis. **2023**, ○
- 56 Effect of pre-treatment processes of organic residues on soil aggregates. **2023**, 30, 103104 ○
- 55 Long-term maize and pea intercropping improved subsoil carbon storage while reduced greenhouse gas emissions. **2023**, 349, 108444 ○
- 54 The distribution of soil C and N along the slope is regulated by vegetation type on the Loess Plateau. **2023**, 226, 107094 ○
- 53 Elevated CO₂ alters aggregate-carbon and microbial community but does not affect total soil organic C in the semi-arid tropics. **2023**, 187, 104843 ○
- 52 Macroaggregates persist during wetting-drying cycles after glucose addition to a mineral soil. **2023**, 189, 104916 ○
- 51 Soil glomalin-related protein affects aggregate N₂O fluxes by modulating denitrifier communities in a fertilized soil. **2023**, 880, 163147 ○
- 50 Ten years of green manuring and biofumigation alters soil characteristics and microbiota. **2023**, 187, 104836 ○
- 49 Synergistic effects of biochar and carboxymethyl cellulose sodium (CMC) applications on improving water retention and aggregate stability in desert soils. **2023**, 331, 117305 ○
- 48 Soil organic carbon accumulation along a chronosequence of vegetation colonization on debris flow fans in Southwest China. **2023**, 223, 106936 ○
- 47 Soil organic carbon transfer in aggregates subjected to afforestation in karst region as indicated by ¹³C natural abundance. **2023**, 531, 120798 ○
- 46 Mechanical stability of newly-formed soil macroaggregates influenced by calcium concentration and the calcium counter-anion. **2023**, 430, 116333 ○
- 45 Soil structural vulnerability: Critical review and conceptual development. **2023**, 430, 116346 ○

- 44 Dynamics of aggregate-associated organic carbon after long-term cropland conversion in a karst region, southwest China. **2023**, 13, ○
- 43 Response of Contrasting Nutrient Management Regimes on Soil Aggregation, Aggregate-Associated Carbon and Macronutrients in a 43-Year Long-Term Experiment. **2023**, 15, 2679 ○
- 42 Effect of in-situ recycling of sugarcane crop residues and its industrial wastes on different soil carbon pools under soybean (Glycine max) - maize (Zea mays) system. **2017**, 87, ○
- 41 Conservation Tillage and Waste Crop Residue Based Zinc Fortification in Rice and Wheat under Reclaimed Sodic Soils: Progress toward Nutrient Circularity and Sustainability. **2023**, 71, 2853-2863 ○
- 40 Litter Decomposition Is Not Affected by Perfluorobutane Sulfonate (PFBS) in Experimental Soil Microcosms. **2023**, 7, 13 ○
- 39 Mixed with Broadleaf Tree Species Improved Soil Aggregate Stability in Chinese Fir (*Cunninghamia lanceolata*) Plantations: Based on the Le Bissonnais Method. 1 ○
- 38 Poly-γ-glutamic acid enhances the wheat yield, water use efficiency and soil physicochemical properties of the arid area in the Northwest China. 1-14 ○
- 37 Nematodes Require Space: The Relationship between Nematode Community Assemblage and Soil Carbon Across Varying Aggregate Sizes. ○
- 36 Effects of straw incorporation and straw-burning on aggregate stability and soil organic carbon in a clay soil of Bangladesh. **2023**, 32, e00620 ○
- 35 Drip Irrigation at a Soil Water Suction of 30 kPa Helps AMF and GRSP to Enhance Greenhouse Macro-Aggregates. **2023**, 13, 522 ○
- 34 Mitigating Drought Stress Effects in Arid and Semi-Arid Agro-Ecosystems through Bioirrigation Strategies—A Review. **2023**, 15, 3542 ○
- 33 Difference in total N and its aggregate-associated N following cropland restoration in a karst region, Southwest China. **2023**, 30, 50759-50771 ○
- 32 Response of nematode community structure to different restoration practices in two vineyard soils in Tuscany (Italy). 1-21 ○
- 31 Microbial technology improved the biomass and root-shoot ratio of a multipurpose tree species: A potential biological solution for degraded agroforest ecosystems. **2023**, 1145, 012020 ○
- 30 Diversity and Evolution of Nitrogen Fixing Bacteria. **2023**, 95-120 ○
- 29 Generation and properties of organic colloids extracted by water from the organic horizon of a boreal forest soil. **2023**, 432, 116386 ○
- 28 Total organic carbon, aluminium and iron in bulk samples and aggregate size fractions of a sandy clay loam humic soil under sugarcane relative to native forest in northern KwaZulu-Natal, South Africa. **2023**, 9, e14000 ○
- 27 Continuous ridge-furrow film mulching enhances maize root growth and crop yield by improving soil aggregates characteristics in a semiarid area of China: An eight-year field experiment. ○

- 26 Amendments of waste ochre from former coal mines can potentially be used to increase soil carbon persistence. **2023**, 151, 105618 ○
- 25 Role of root hair elongation in rhizosphere aggregation and in the carbon flow into the soil. **2023**, 59, 351-361 ○
- 24 Wetting and drying cycles, organic amendments, and gypsum play a key role in structure formation and stability of sodic Vertisols. **2023**, 9, 141-154 ○
- 23 Nitrogen fertilization rates mediate rhizosphere soil carbon emissions of continuous peanut monoculture by altering cellulose-specific microbes. 14, ○
- 22 Evaluating soil carbon stability by combining $\delta^{13}\text{C}$ and soil aggregates after afforestation on agricultural land and thinning management. ○
- 21 Organic carbon accumulation and aggregate formation in soils under organic and inorganic fertilizer management practices in a rice-wheat cropping system. **2023**, 13, ○
- 20 Emerging Techniques for the Mitigation of Micro and Nanoplastics in Soil. **2023**, 383-411 ○
- 19 Tillage homogenizes soil bacterial communities in microaggregate fractions by facilitating dispersal. ○
- 18 Quantifying the Unvoiced Carbon Pools of the Nilgiri Hill Region in the Western Ghats Global Biodiversity Hotspot—First Report. **2023**, 15, 5520 ○
- 17 An arbuscular mycorrhizal fungus alters soil water retention and hydraulic conductivity in a soil texture specific way. ○
- 16 Soil aggregate variation in two contrasting rice straw recycling systems for paddy soil amendment over two years. 1-16 ○
- 15 Gypsum and carbon amendments influence carbon fractions in two soils in Ohio, USA. **2023**, 18, e0283722 ○
- 14 A Portable Device for On-Site Measurement of Sediment Concentration Through Volume-Mass Replacement. **2023**, 59, ○
- 13 Role of Organic Matter in Reducing Nitrogen-Leaching Loss and Improving Yield of Stem Mustard and Corn in the Three Gorges Reservoirs. **2023**, 2463, 012068 ○
- 12 Natural ^{13}C Abundance in the Organic Matter of Water-Stable Aggregates of Haplic Chernozem under Contrasting Land Uses. **2023**, 56, 294-305 ○
- 11 Changes in Soil Organic Pool and Carbon Preservation Capacity of Macro- and Micro-aggregates in Response to Land-Use Change in North-Western India. ○
- 10 Short-term effects of increasing compost application rates on soil C and greenhouse gas (N_2O and CO_2) emissions in a California central coast vineyard. 11, ○
- 9 Fate and availability of phosphorus from bone char with and without sulfur modification in soil size fractions after five-year field fertilizations. **2023**, 231, 105720 ○

- 8 Global-scale no-tillage impacts on soil aggregates and associated carbon and nitrogen concentrations in croplands: A meta-analysis. **2023**, 881, 163570
- 7 Agricultural soil aggregation is affected by the crop root biomass rather than morphological characteristics #.
- 6 Impact of wood-derived biochar on the hydrologic performance of bioretention media: Effects on aggregation, root growth, and water retention. **2023**, 339, 117864
- 5 Agricultural management impacts on soil organic carbon storage. **2023**, 229-268
- 4 Interactions between wind erosion and soil organic carbon. **2023**, 163-179
- 3 Climate and topography controls on soil water-stable aggregates at regional scale: Independent and interactive effects. **2023**, 228, 107170
- 2 Interlayer organic matter within hydroxy-interlayered clay minerals enhances soil organic carbon stability under long-term organic fertilization. **2023**, 239, 106963
- 1 Fast agricultural topsoil re-formation after complete topsoil loss â€”Evidence from a unique historical field experiment. **2023**, 434, 116492