Soil erosion and the global carbon budget

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Citation Report

#	Article	IF	CITATIONS
1	ACHIEVING SOIL CARBON SEQUESTRATION IN THE UNITED STATES: A CHALLENGE TO THE POLICY MAKERS. Soil Science, 2003, 168, 827-845.	0.9	173
2	Comment on "Managing Soil Carbon" (II). Science, 2004, 305, 1567c-1567c.	6.0	31
3	Comment on "Managing Soil Carbon" (I). Science, 2004, 305, 1567b-1567b.	6.0	55
4	ECOLOGY: Managing Soil Carbon. Science, 2004, 304, 393-393.	6.0	279
5	The Potential of Agricultural Soils of the Upper St. Joseph River Watershed to Sequester Carbon. Agroecology and Sustainable Food Systems, 2004, 24, 5-15.	0.9	0
6	Agricultural activities and the global carbon cycle. Nutrient Cycling in Agroecosystems, 2004, 70, 103-116.	1.1	259
7	Mechanisms of Carbon Sequestration in Soil Aggregates. Critical Reviews in Plant Sciences, 2004, 23, 481-504.	2.7	459
8	Spatial and temporal dynamics of soil organic carbon in reserved desertification area. Chinese Geographical Science, 2004, 14, 245-250.	1.2	7
9	Influence of erosion on soil microbial biomass, abundance and community diversity. Land Degradation and Development, 2004, 15, 183-195.	1.8	34
10	Soil Carbon Sequestration Impacts on Global Climate Change and Food Security. Science, 2004, 304, 1623-1627.	6.0	5,406
11	Modeling soil organic matter dynamics as affected by soil water erosion. Environment International, 2004, 30, 547-556.	4.8	136
12	Carbon emission from farm operations. Environment International, 2004, 30, 981-990.	4.8	1,053
13	SOIL EROSION AND CARBON DYNAMICS UNDER SIMULATED RAINFALL. Soil Science, 2004, 169, 590-599.	0.9	113
14	Soil erosion effects on soil organic carbon and an assessment within China. , 2004, , .		1
15	Soil erosion and carbon dynamics. Soil and Tillage Research, 2005, 81, 137-142.	2.6	218
16	Erosional effects on soil organic carbon stock in an on-farm study on Alfisols in west central Ohio. Soil and Tillage Research, 2005, 81, 173-181.	2.6	43
17	Manuring and rotation effects on soil organic carbon concentration for different aggregate size fractions on two soils in northeastern Ohio, USA. Soil and Tillage Research, 2005, 81, 239-252.	2.6	124
18	Greenhouse gas contributions and mitigation potential of agriculture in the central USA. Soil and Tillage Research, 2005, 83, 73-94.	2.6	146

#	ARTICLE	IF	CITATIONS
19	Carbon sequestration potential estimates with changes in land use and tillage practice in Ohio, USA. Agriculture, Ecosystems and Environment, 2005, 111, 140-152.	2.5	69
20	Hydrologic sources of carbon cycling uncertainty throughout the terrestrial-aquatic continuum. Global Change Biology, 2005, 11, 051115033519002-???.	4.2	20
21	Eco-Environmental benefit assessment of the western route in China's South-North Water Transfer Project. International Journal of Sustainable Development and World Ecology, 2005, 12, 461-470.	3.2	4
22	Soil Carbon Sequestration for Sustaining Agricultural Production and Improving the Environment with Particular Reference to Brazil. Agroecology and Sustainable Food Systems, 2005, 26, 23-42.	0.9	21
23	Agricultural sinks in the developing world: Different disciplines and different perspectives. Journal of Integrative Environmental Sciences, 2005, 2, 15-29.	0.8	1
24	FATES OF ERODED SOIL ORGANIC CARBON: MISSISSIPPI BASIN CASE STUDY. , 2005, 15, 1929-1940.		106
25	Linking climate and physiology at the population level for a key life-history stage of turtles. Canadian Journal of Zoology, 2005, 83, 845-850.	0.4	33
26	Spatial modeling of soil erosion potential in a tropical watershed of the Colombian Andes. Catena, 2005, 63, 85-108.	2.2	100
27	Sedimentation and carbon burial on the northern California continental shelf: the signatures of land-use change. Continental Shelf Research, 2005, 25, 349-371.	0.9	40
28	Landscape-scale modeling of carbon cycling under the impact of soil redistribution: The role of tillage erosion. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	144
29	Water erosion impact on soil and carbon redistributions within uplands of Mekong River. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	81
30	Sources and Cycling of Organic Matter in the Marine Water Column. , 0, , 1-25.		12
31	Preferential erosion of black carbon on steep slopes with slash and burn agriculture. Catena, 2006, 65, 30-40.	2.2	170
32	Effects of land use on soil erosion in a tropical dry forest ecosystem, Chamela watershed, Mexico. Catena, 2006, 65, 107-117.	2.2	94
33	Isotopic composition of dissolved inorganic carbon in a large polluted river: The Vistula, Poland. Chemical Geology, 2006, 233, 293-308.	1.4	78
34	Black carbon contribution to soil organic matter composition in tropical sloping land under slash and burn agriculture. Geoderma, 2006, 130, 35-46.	2.3	165
35	Influence of soil pattern on matter transport in and from terrestrial biogeosystems—A new concept for landscape pedology. Geoderma, 2006, 133, 107-123.	2.3	63
36	A comparative study of analytical methodologies to determine the soil organic matter content of Lithuanian Eutric Albeluvisols. Geoderma, 2006, 136, 763-773.	2.3	33

3

#	Article	IF	CITATIONS
37	Regional scale modelling of hillslope sediment delivery with SRTM elevation data. Geomorphology, 2006, 81, 128-140.	1.1	60
38	Soils as sources and sinks of greenhouse gases. Geological Society Special Publication, 2006, 266, 23-44.	0.8	8
39	Land Use Change Effects on Forest Carbon Cycling Throughout the Southern United States. Journal of Environmental Quality, 2006, 35, 1348-1363.	1.0	36
40	Plant and Soil Responses to the Application of Composted MSW in a Degraded, Semiarid Shrubland in Central Spain. Compost Science and Utilization, 2006, 14, 147-154.	1.2	48
41	Modeling the impacts of no-till practice on soil erosion and sediment yield with RUSLE, SEDD, and ArcView GIS. Soil and Tillage Research, 2006, 85, 38-49.	2.6	146
42	Long-term effects of grass ley set-aside on erosion rates and soil organic matter on sandy soils in east Shropshire, UK. Soil and Tillage Research, 2006, 89, 122-128.	2.6	39
43	Estimating the environmental costs of soil erosion at multiple scales in Kenya using emergy synthesis. Agriculture, Ecosystems and Environment, 2006, 114, 249-269.	2.5	129
44	Soil erosion response to climatic change and human activity during the Quaternary on the Loess Plateau, China. Regional Environmental Change, 2006, 6, 62-70.	1.4	94
45	Grass ley set-aside and soil organic matter dynamics on sandy soils in Shropshire, UK. Earth Surface Processes and Landforms, 2006, 31, 570-578.	1.2	12
46	The use of vegetation for erosion control and environmental protection. Earth Surface Processes and Landforms, 2006, 31, 533-535.	1.2	2
47	Hillslope runoff and erosion as affected by rolled erosion control systems: a field study. Hydrological Processes, 2006, 20, 2839-2855.	1.1	14
48	Impact of soil redistribution in a sloping landscape on carbon sequestration in Northeast China. Land Degradation and Development, 2006, 17, 89-96.	1.8	27
49	Nutrient transport associated with water erosion: progress and prospect. Progress in Physical Geography, 2007, 31, 607-620.	1.4	27
50	Soil Aggregate- and Particle-Associated Organic Carbon under Different Land Uses in Nepal. Soil Science Society of America Journal, 2007, 71, 1194-1203.	1.2	84
52	SOIL CARBON SEQUESTRATION TO MITIGATE CLIMATE CHANGE AND ADVANCE FOOD SECURITY. Soil Science, 2007, 172, 943-956.	0.9	382
53	Effects of land use change on soil carbon cycling in the conterminous United States from 1900 to 2050. Global Biogeochemical Cycles, 2007, 21, .	1.9	17
54	Modeling soil carbon sequestration in agricultural lands of Mali. Agricultural Systems, 2007, 94, 63-74.	3.2	40
55	Agricultural opportunities to mitigate greenhouse gas emissions. Environmental Pollution, 2007, 150, 107-124.	3.7	514

#	Article	IF	CITATIONS
56	Linking lithology and land use to sources of dissolved and particulate organic matter in headwaters of a temperate, passive-margin river system. Geochimica Et Cosmochimica Acta, 2007, 71, 4233-4250.	1.6	61
57	Regional assessment of soil organic carbon changes under agriculture in Southern Belgium (1955–2005). Geoderma, 2007, 141, 341-354.	2.3	141
58	Induced effects of hedgerow networks on soil organic carbon storage within an agricultural landscape. Geoderma, 2007, 142, 80-95.	2.3	52
59	Predicting the spatial patterns of hillslope sediment delivery to river channels in the Murrumbidgee catchment, Australia. Journal of Hydrology, 2007, 334, 440-454.	2.3	102
60	Composition and Cycling of Organic Carbon in Soil. Soil Biology, 2007, , 1-35.	0.6	47
61	The Impact of Agricultural Soil Erosion on the Global Carbon Cycle. Science, 2007, 318, 626-629.	6.0	802
62	The Significance of the Erosion-induced Terrestrial Carbon Sink. BioScience, 2007, 57, 337-346.	2.2	348
63	Changes in soil organic carbon induced by tillage and water erosion on a steep cultivated hillslope in the Chinese Loess Plateau from 1898–1954 and 1954–1998. Journal of Geophysical Research, 2007, 112, .	3.3	40
64	Simulated impacts of climate and land-cover change on soil erosion and implication for the carbon cycle, 1901 to 2100. Geophysical Research Letters, 2007, 34, .	1.5	77
67	Interrill erosion in the sloping lands of northern Laos subjected to shifting cultivation. Earth Surface Processes and Landforms, 2007, 32, 415-428.	1.2	45
68	Quantifying carbon sequestration as a result of soil erosion and deposition: retrospective assessment using caesium-137 and carbon inventories. Global Change Biology, 2007, 13, 2610-2625.	4.2	79
69	The potential of pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.) in Africa. Natural Resources Forum, 2007, 31, 297-305.	1.8	97
70	Modeled carbon sequestration variation in a linked erosion–deposition system. Ecological Modelling, 2007, 200, 207-216.	1.2	4
71	Carbon Management in Agricultural Soils. Mitigation and Adaptation Strategies for Global Change, 2007, 12, 303-322.	1.0	205
72	Global Attention to Turkey Due to Desertification. Environmental Monitoring and Assessment, 2007, 128, 489-493.	1.3	26
73	Long-term modeling of soil C erosion and sequestration at the small watershed scale. Climatic Change, 2007, 80, 73-90.	1.7	7 5
74	Impacts from decommissioning of hydroelectric dams: a life cycle perspective. Climatic Change, 2007, 84, 281-294.	1.7	82
75	Soil organic carbon loss under different slope gradients in loess hilly region. Wuhan University Journal of Natural Sciences, 2007, 12, 695-698.	0.2	14

#	ARTICLE	IF	CITATIONS
76	Soil physical fertility and crop performance as affected by long term application of FYM and inorganic fertilizers in rice–wheat system. Soil and Tillage Research, 2007, 96, 64-72.	2.6	103
77	Effects of human land-use on the global carbon cycle during the last 6,000Âyears. Vegetation History and Archaeobotany, 2008, 17, 605-615.	1.0	136
78	Increased Terrestrial to Ocean Sediment and Carbon Fluxes in the Northern Chesapeake Bay Associated With Twentieth Century Land Alteration. Estuaries and Coasts, 2008, 31, 492-500.	1.0	16
79	Can we dismiss the effect of changes in landâ€based water storage on seaâ€level rise?. Hydrological Processes, 2008, 22, 717-723.	1.1	24
80	Leucaena species valoration for biomass and paper production in 1 and 2 year harvest. Bioresource Technology, 2008, 99, 4846-4853.	4.8	43
82	Rationale for the "Floodplain Declaration―from environmental conservation toward sustainability science. Ecohydrology and Hydrobiology, 2008, 8, 107-113.	1.0	7
83	Scaling effects of proximate desertification drivers on soil nutrients in northeastern Tanzania. Journal of Arid Environments, 2008, 72, 1820-1829.	1.2	11
84	Sources of organic carbon in the Portuguese continental shelf sediments during the Holocene period. Applied Geochemistry, 2008, 23, 2857-2870.	1.4	21
85	Soil organic matter and CO2 emission as affected by water erosion on field runoff plots. Geoderma, 2008, 143, 216-222.	2.3	122
86	Stabilisation of HF soluble and HCl resistant organic matter in sloping tropical soils under slash and burn agriculture. Geoderma, 2008, 145, 347-354.	2.3	37
87	Holistic, adaptive management of the terrestrial carbon cycle at local and regional scales. Global Environmental Change, 2008, 18, 128-141.	3.6	18
88	Anti-erosion' logs across paths in the southern uKhahlamba–Drakensberg Transfrontier Park, South Africa: Cure or curse?. Catena, 2008, 73, 134-145.	2.2	2
89	Effect of grazing on wind driven carbon and nitrogen ratios in the grasslands of Inner Mongolia. Catena, 2008, 75, 182-190.	2.2	113
90	The urgency of conserving soil and water to address 21st century issues including global warming. Journal of Soils and Water Conservation, 2008, 63, 140A-141A.	0.8	9
91	Soil Erosion: A Carbon Sink or Source?. Science, 2008, 319, 1040-1042.	6.0	157
92	Effects of Agriculture on Climate Change: A Cross Country Study of Factors Affecting Carbon Emissions. Tribhuvan University Journal, 0, 10, 84-102.	0.0	33
93	Soil Erosion Impact on Soil Organic Carbon Spatial Variability on Steep Tropical Slopes. Soil Science Society of America Journal, 2009, 73, 769-779.	1.2	45
94	Rebuilding Organic Carbon Contents in Coastal Plain Soils Using Conservation Tillage Systems. Soil Science Society of America Journal, 2009, 73, 622-629.	1.2	43

#	Article	IF	CITATIONS
95	Effects of topsoil depth and soil amendments on corn yield and properties of two Alfisols in central Ohio. Journal of Soils and Water Conservation, 2009, 64, 70-80.	0.8	26
96	Potential and Challenges of Soil Carbon Sequestration in Iceland. Agroecology and Sustainable Food Systems, 2009, 33, 255-271.	0.9	2
97	Effects of sediment deposition on periphytic biomass, photosynthetic activity and algal community structure. Science of the Total Environment, 2009, 407, 5694-5700.	3.9	83
98	The effects of bio-solid and tea waste application into different levels of eroded soil on N, P and K concentrations. Environmental Monitoring and Assessment, 2009, 156, 109-118.	1.3	3
99	CO2 absorption by alkaline soils and its implication to the global carbon cycle. Environmental Geology, 2009, 56, 953-961.	1,2	187
100	Stable carbon isotopes as an indicator for soil degradation in an alpine environment (Urseren Valley,) Tj ETQq $1\ 1$	0.784314	rgBT /Overl
101	Challenges and opportunities in soil organic matter research. European Journal of Soil Science, 2009, 60, 158-169.	1.8	383
102	Soil alteration due to erosion, ploughing and levelling of vineyards in north east Spain. Soil Use and Management, 2009, 25, 183-192.	2.6	64
103	Modeling soil organic carbon dynamics in Oxisols of Ibirub \tilde{A}_i (Brazil) with the Century Model. Soil and Tillage Research, 2009, 105, 33-43.	2.6	50
104	Soil and carbon losses from five different land management areas under simulated rainfall. Soil and Tillage Research, 2009, 106, 62-70.	2.6	42
105	Modelling and testing spatially distributed sediment budgets to relate erosion processes to sediment yields. Environmental Modelling and Software, 2009, 24, 489-501.	1.9	134
106	Soils and food sufficiency. A review. Agronomy for Sustainable Development, 2009, 29, 113-133.	2.2	182
107	Biogeochemical C and N cycles in urban soils. Environment International, 2009, 35, 1-8.	4.8	256
108	Sediment source changes over the last 250Âyears in a dry-tropical catchment, central Queensland, Australia. Geomorphology, 2009, 104, 262-275.	1.1	124
109	Modeling impacts of erosion and deposition on soil organic carbon in the Big Creek Basin of southern Illinois. Geomorphology, 2009, 106, 304-314.	1.1	21
110	Modeling impacts of carbon sequestration on net greenhouse gas emissions from agricultural soils in China. Global Biogeochemical Cycles, 2009, 23, .	1.9	61
111	Erosion of soil organic carbon: Implications for carbon sequestration. Geophysical Monograph Series, 2009, , 189-202.	0.1	4
112	An introduction to global carbon cycle management. Geophysical Monograph Series, 2009, , 1-23.	0.1	10

#	Article	IF	CITATIONS
113	Particulate organic carbon sources and delivery to river channels in the Somerset Levels ECSFDI priority catchment, southwest UK. International Journal of River Basin Management, 2009, 7, 277-291.	1.5	6
114	Impact of Sedimentation on Wetland Carbon Sequestration in an Agricultural Watershed. Journal of Environmental Quality, 2009, 38, 804-813.	1.0	18
115	Extrapolating herbivore-induced carbon loss across an arctic landscape. Polar Biology, 2010, 33, 789-797.	0.5	18
116	Vegetation patterns influence on soil microbial biomass and functional diversity in a hilly area of the Loess Plateau, China. Journal of Soils and Sediments, 2010, 10, 1082-1091.	1.5	40
117	Carbohydrates in cyanobacterial soil crusts as a source of carbon in the southwest Kalahari, Botswana. Soil Biology and Biochemistry, 2010, 42, 313-318.	4.2	86
118	Erosional Effects on Terrestrial Resources over the last Millennium in Reykjanes, Southwest Iceland. Quaternary Research, 2010, 73, 20-32.	1.0	57
119	Spatial distribution and content of soil organic matter in an agricultural field in eastern Canada, as estimated from geostatistical tools. Earth Surface Processes and Landforms, 2010, 35, 278-283.	1.2	36
120	Soil erosion in New Zealand is a net sink of CO ₂ . Earth Surface Processes and Landforms, 2010, 35, 1763-1772.	1.2	53
122	Comparative analysis of environmental impacts of maize–biogas and photovoltaics on a land use basis. Solar Energy, 2010, 84, 1255-1263.	2.9	53
123	Effects of soil erosion and deposition on soil organic carbon dynamics at a sloping field in Black Soil region, Northeast China. Soil Science and Plant Nutrition, 2010, 56, 521-529.	0.8	37
124	Historical and future perspectives of global soil carbon response to climate and land-use changes. Tellus, Series B: Chemical and Physical Meteorology, 2022, 62, 700.	0.8	103
125	Soil organic carbon stocks in Laos: spatial variations and controlling factors. Global Change Biology, 2010, 16, 1380-1393.	4.2	102
126	The impact of agricultural soil erosion on biogeochemical cycling. Nature Geoscience, 2010, 3, 311-314.	5.4	686
127	Erosion and Vegetation Restoration Impacts on Ecosystem Carbon Dynamics in South China. Soil Science Society of America Journal, 2010, 74, 272-281.	1.2	2
128	A Life-Cycle Approach to Characterising Environmental and Economic Impacts of Multifunctional Land-Use Systems: An Integrated Assessment in the UK. Sustainability, 2010, 2, 3747-3776.	1.6	38
129	Effect of Intercropping Period Management on Runoff and Erosion in a Maize Cropping System. Journal of Environmental Quality, 2010, 39, 1001-1008.	1.0	43
130	The effect of soil redistribution on soil organic carbon: an experimental study. Biogeosciences, 2010, 7, 3971-3986.	1.3	61
131	Soil Carbon and Climate Change. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2010, , 287-305.	0.4	3

#	Article	IF	CITATIONS
132	Soil and Water Conservation. , 2010, , 1-19.		8
133	Soil Organic Carbon Loss through Water Erosion in Loess Hilly Region of Northwestern China. , 2010,		0
134	Terrestrial sequestration of carbon dioxide (CO2). , 2010, , 271-303.		3
135	Priming effect: bridging the gap between terrestrial and aquatic ecology. Ecology, 2010, 91, 2850-2861.	1.5	409
136	Managing Soils and Ecosystems for Mitigating Anthropogenic Carbon Emissions and Advancing Global Food Security. BioScience, 2010, 60, 708-721.	2,2	384
137	Wind erosion and soil carbon dynamics in south-western Australia. Aeolian Research, 2010, 1, 129-141.	1.1	40
138	Carbon dioxide exchange in a semidesert grassland through droughtâ€induced vegetation change. Journal of Geophysical Research, 2010, 115, .	3.3	156
139	Soil carbon change and its affecting factors following afforestation in China. Landscape and Urban Planning, 2010, 98, 75-85.	3.4	35
140	Integrated transfers of terrigenous organic matter to lakes at their watershed level: A combined biomarker and GIS analysis. Geochimica Et Cosmochimica Acta, 2010, 74, 6375-6386.	1.6	23
141	Land degradation in drylands: Interactions among hydrologic–aeolian erosion and vegetation dynamics. Geomorphology, 2010, 116, 236-245.	1.1	306
142	Catchment-scale carbon redistribution and delivery by water erosion in an intensively cultivated area. Geomorphology, 2010, 124, 65-74.	1.1	106
144	A simple method for estimating the influence of eroding soil profiles on atmospheric CO ₂ . Global Biogeochemical Cycles, 2010, 24, .	1.9	43
145	Effects of land-cover type and topography on soil organic carbon storage on Northern Loess Plateau, China. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2010, 60, 326-334.	0.3	19
146	Principles of Soil Conservation and Management. , 2010, , .		93
147	Erosion-affected soils in the Estonian landscape: Humus status, patterns and classification. Archives of Agronomy and Soil Science, 2010, 56, 149-164.	1.3	4
148	Assessment of wind erosion hazard in typical transect Erenhot-Zhangjiakou. , 2011, , .		0
149	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. Frontiers in Ecology and the Environment, 2011, 9, 53-60.	1.9	927
150	Crop residue based bioelectricity production prospect in China. , 2011, , .		0

#	Article	IF	CITATIONS
151	Terrestrial support of detritivorous fish populations decreases with watershed size. Ecosphere, 2011, 2, art76.	1.0	38
152	Soil Health and Climate Change: An Overview. Soil Biology, 2011, , 3-24.	0.6	16
154	Prairie ecosystems and the carbon problem. Frontiers in Ecology and the Environment, 2011, 9, 407-413.	1.9	56
155	Soil evidence for historical human-induced land degradation in West Iceland. Applied Geochemistry, 2011, 26, S28-S31.	1.4	21
156	Comparison of dissolved inorganic and organic carbon yields and fluxes in the watersheds of tropical volcanic islands, examples from Guadeloupe (French West Indies). Chemical Geology, 2011, 280, 65-78.	1.4	64
157	Controls over nutrient dynamics in overland flows on slopes representative of agricultural land in North West Europe. Geoderma, 2011, 164, 2-10.	2.3	13
158	Carbon mineralization and lignin content of eroded sediments from a grazed watershed of South-Africa. Geoderma, 2011, 167-168, 247-253.	2.3	17
159	Laboratory Testing of Magnetic Tracers for Soil Erosion Measurement. Pedosphere, 2011, 21, 328-338.	2.1	12
160	Soil carbon cycling and sequestration in a seasonally saturated wetland receiving agricultural runoff. Biogeosciences, 2011, 8, 3391-3406.	1.3	20
161	Aeolian nutrient fluxes following wildfire in sagebrush steppe: implications for soil carbon storage. Biogeosciences, 2011, 8, 3649-3659.	1.3	21
162	Biofuels and Ecosystem Carbon Balance Under Global Change. , 0, , .		0
163	Impact of Land Use Change and Soil Erosion in Upper Mississippi River Valley on Soil Organic Carbon Retention and Greenhouse Gas Emissions. Soil Science, 2011, 176, 449-458.	0.9	17
164	Impact of tropical land-use change on soil organic carbon stocks - a meta-analysis. Global Change Biology, 2011, 17, 1658-1670.	4.2	1,002
165	Soil water repellency and its implications for organic matter decomposition - is there a link to extreme climatic events?. Global Change Biology, 2011, 17, 2640-2656.	4.2	191
166	The relative influences of land-owner and landscape heterogeneity in an agent-based model of land-use. Ecological Economics, 2011, 70, 1075-1087.	2.9	26
167	Management to mitigate and adapt to climate change. Journal of Soils and Water Conservation, 2011, 66, 276-285.	0.8	271
168	Land use change effects on ecosystem carbon balance: From agricultural to hybrid poplar plantation. Agriculture, Ecosystems and Environment, 2011, 141, 342-349.	2.5	108
169	â€Tolerable' hillslope soil erosion rates in Australia: Linking science and policy. Agriculture, Ecosystems and Environment, 2011, 144, 136-149.	2.5	37

#	Article	IF	CITATIONS
170	Terrestrial organic matter biomarkers as tracers of Hg sources in lake sediments. Biogeochemistry, 2011, 103, 235-244.	1.7	35
171	Impacts of soil conservation on groundwater recharge in the semi-arid Loess Plateau, China. Hydrogeology Journal, 2011, 19, 865-875.	0.9	123
173	Evaluating the impact of soil redistribution on the <i>in situ</i> mineralization of soil organic carbon. Earth Surface Processes and Landforms, 2011, 36, 427-438.	1.2	80
174	Soil organic carbon changes in the cultivation of energy crops: Implications for GHG balances and soil quality for use in LCA. Biomass and Bioenergy, 2011, 35, 2323-2336.	2.9	186
175	Corn stover as a biofuel feedstock in Iowa's bio-economy: An Iowa farmer survey. Biomass and Bioenergy, 2011, 35, 1485-1495.	2.9	76
176	CLIMATE- AND LAND USE-INDUCED RISKS TO WATERSHED SERVICES IN THE NYANDO RIVER BASIN, KENYA. Experimental Agriculture, 2011, 47, 339-356.	0.4	26
177	Terrestrial influences on carbon burial at sea. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9729-9730.	3.3	11
178	Legacy of human-induced C erosion and burial on soil–atmosphere C exchange. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19492-19497.	3.3	126
179	Water-stable aggregates and their organic carbon distribution after five years of chemical fertilizer and manure treatments on eroded farmland of Chinese Mollisols. Canadian Journal of Soil Science, 2012, 92, 551-557.	0.5	22
180	Agricultural Greenhouse Gas Trading Markets in North America. , 2012, , 423-437.		3
181	Impacts of Land-Use Change, Slope, and Erosion on Soil Organic Carbon Retention and Storage. Soil Science, 2012, 177, 269-278.	0.9	25
182	Cropland Soil Carbon Dynamics. , 2012, , 303-346.		3
183	Climate Change Mitigation by Managing the Terrestrial Biosphere., 2012,, 17-39.		1
184	The significance of carbonâ€enriched dust for global carbon accounting. Global Change Biology, 2012, 18, 3275-3278.	4.2	57
185	Spatial Distribution of Soil Organic Matter Using Geostatistics: A Key Indicator to Assess Soil Degradation Status in Central Italy. Pedosphere, 2012, 22, 230-242.	2.1	72
186	Erosion effects on soil properties of the unique red soil hilly region of the economic development zone in southern China. Environmental Earth Sciences, 2012, 67, 1725-1734.	1.3	15
187	Sequestration vs. Emissions: On the Carbon Sequestration Potential of the Natural Areas of the City of Austin, Texas. Natural Areas Journal, 2012, 32, 86-95.	0.2	1
188	Holocene and Anthropocene Landscape Change: Arroyo Formation on Santa Cruz Island, California. Annals of the American Association of Geographers, 2012, 102, 1229-1250.	3.0	25

#	Article	IF	CITATIONS
189	Long-Term Effects of High Nitrogen Loads on Cation and Carbon Riverine Export in Agricultural Catchments. Environmental Science & Environmental Scienc	4.6	56
190	Advances in the understanding of nutrient dynamics and management in UK agriculture. Science of the Total Environment, 2012, 434, 39-50.	3.9	101
191	Measuring Soil Erosion Rates Using Natural (7Be, 210Pb) and Anthropogenic (137Cs, 239,240Pu) Radionuclides. Advances in Isotope Geochemistry, 2012, , 487-519.	1.4	23
192	Reciprocal subsidies between freshwater and terrestrial ecosystems structure consumer resource dynamics. Ecology, 2012, 93, 1173-1182.	1.5	152
193	Using 137Cs to study spatial patterns of soil erosion and soil organic carbon (SOC) in an agricultural catchment of the typical black soil region, Northeast China. Journal of Environmental Radioactivity, 2012, 112, 125-132.	0.9	25
194	Organic carbon enrichment in sediments: Effects of rainfall characteristics under different land uses in a Mediterranean area. Catena, 2012, 94, 36-42.	2.2	83
195	Patterns of soil organic carbon and nitrogen in relation to soil movement under different land uses in mountain fields (South Central Pyrenees). Catena, 2012, 94, 43-52.	2.2	48
196	On the use of remote sensing techniques for monitoring spatio-temporal soil organic carbon dynamics in agricultural systems. Catena, 2012, 94, 64-74.	2.2	80
197	Erosion of organic matter from sandy soils: Solving the mass balance. Catena, 2012, 98, 87-95.	2.2	24
198	When households stop logging — Evidence for household adaptation from East Kalimantan. Forest Policy and Economics, 2012, 20, 58-65.	1.5	6
199	Tracing soil organic carbon in the lower Amazon River and its tributaries using GDGT distributions and bulk organic matter properties. Geochimica Et Cosmochimica Acta, 2012, 90, 163-180.	1.6	90
200	Impact of fodder cover on runoff and soil erosion at plot scale in a cultivated catchment of North Vietnam. Geoderma, 2012, 177-178, 8-17.	2.3	22
201	Stable carbon isotope analysis of fluvial sediment fluxes over two contrasting C ₄ â€C ₃ semiâ€arid vegetation transitions. Rapid Communications in Mass Spectrometry, 2012, 26, 2386-2392.	0.7	15
202	Dual roles of tillage erosion in lateral SOC movement in the landscape. European Journal of Soil Science, 2012, 63, 165-176.	1.8	30
203	Research and Development Priorities Towards Recarbonization of the Biosphere. , 2012, , 533-544.		1
204	Seasonal fluxes and source variation of organic carbon transported by two major Chinese Rivers: The Yellow River and Changjiang (Yangtze) River. Global Biogeochemical Cycles, 2012, 26, .	1.9	241
205	Persistence of soil organic matter in eroding versus depositional landform positions. Journal of Geophysical Research, 2012, 117, .	3.3	138
206	Annual vs. perennial grain production. Agriculture, Ecosystems and Environment, 2012, 161, 1-9.	2.5	131

#	Article	IF	CITATIONS
207	Carbon sequestration in the bottom sediments of aquaculture ponds of Orissa, India. Ecological Engineering, 2012, 47, 198-202.	1.6	24
208	Erosion-induced CO2 flux of small watersheds. Global and Planetary Change, 2012, 94-95, 101-110.	1.6	7
209	Soil Erosion and Soil Organic Carbon Storage on the Chinese Loess Plateau., 2012,, 83-98.		2
210	Recarbonization of the Biosphere. , 2012, , .		25
211	Fallout Radionuclides and the Study of Erosion and Sedimentation. , 2012, , 3705-3768.		6
213	How will organic carbon stocks in mineral soils evolve under future climate? Global projections using RothC for a range of climate change scenarios. Biogeosciences, 2012, 9, 3151-3171.	1.3	104
214	Soil organic carbon dynamics and its influence on the soil erodibility factor. Soil and Water Research, 2012, 7, 97-108.	0.7	24
215	Ancillary information improves kriging on soil organic carbon data for a typical karst peak cluster depression landscape. Journal of the Science of Food and Agriculture, 2012, 92, 1094-1102.	1.7	41
216	Towards constraining the magnitude of global agricultural sediment and soil organic carbon fluxes. Earth Surface Processes and Landforms, 2012, 37, 642-655.	1.2	114
217	Sediment export from French rivers to the sea. Earth Surface Processes and Landforms, 2012, 37, 754-762.	1.2	32
218	Diagnosis of river basins as CO ₂ sources or sinks subject to sediment movement. Earth Surface Processes and Landforms, 2012, 37, 1398-1406.	1.2	5
219	Estimation of soil erosion using RUSLE in a GIS framework: a case study in the Buyukcekmece Lake watershed, northwest Turkey. Environmental Earth Sciences, 2012, 66, 903-913.	1.3	126
220	Site and stand characteristics related to surface erosion occurrence in forests of Catalonia (Spain). European Journal of Forest Research, 2012, 131, 727-738.	1.1	17
221	Redistribution of carbon and nitrogen through irrigation in intensively cultivated tropical mountainous watersheds. Biogeochemistry, 2012, 109, 133-150.	1.7	20
222	Water erosion-induced CO2 emissions from tilled and no-tilled soils and sediments. Agriculture, Ecosystems and Environment, 2012, 159, 62-69.	2.5	25
223	Nutrient dynamics, microbial growth and weed emergence in biochar amended soil are influenced by time since application and reapplication rate. Agriculture, Ecosystems and Environment, 2012, 158, 192-199.	2.5	186
224	Soil Carbon and Nutrient Changes Associated with Deforestation for Pasture in Southern Costa Rica. Biotropica, 2012, 44, 661-667.	0.8	8
225	Long term effects of topsoil depth and amendments on particulate and non particulate carbon fractions in a Miamian soil of Central Ohio. Soil and Tillage Research, 2012, 121, 10-17.	2.6	46

#	Article	IF	Citations
226	Model based analysis of lateral and vertical soil carbon fluxes induced by soil redistribution processes in a small agricultural catchment. Earth Surface Processes and Landforms, 2012, 37, 193-208.	1.2	58
227	Chemical characteristics of particulate organic matter from a small, mountainous river system in the Oregon Coast Range, USA. Biogeochemistry, 2012, 107, 43-66.	1.7	80
228	Soil carbon management and climate change. Carbon Management, 2013, 4, 439-462.	1.2	116
229	REVIEW: The role of ecosystems and their management in regulating climate, and soil, water and air quality. Journal of Applied Ecology, 2013, 50, 812-829.	1.9	169
230	Soil properties as indicators of desertification in an alpine meadow ecosystem of the Qinghai–Tibet Plateau, China. Environmental Earth Sciences, 2013, 70, 249-258.	1.3	11
231	Land-use changes, forest/soil conditions and carbon sequestration dynamics: A bio-economic model at watershed level in Nepal. Journal of Bioeconomics, 2013, 15, 135-170.	1.5	6
232	Effects of grazing on CO2 balance in a semiarid steppe: field observations and modeling. Journal of Soils and Sediments, 2013, 13, 1012-1023.	1.5	19
233	Soil aggregate fraction-based 14C analysis and its application in the study of soil organic carbon turnover under forests of different ages. Science Bulletin, 2013, 58, 1936-1947.	1.7	27
234	Ecosystem Services and Carbon Sequestration in the Biosphere. , 2013, , .		27
235	The logistics of supplying single vs. multi-crop cellulosic feedstocks to a biorefinery in southeast North Dakota. Applied Energy, 2013, 109, 229-238.	5.1	32
236	Camera derived vegetation greenness index as proxy for gross primary production in a low Arctic wetland area. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 86, 89-99.	4.9	59
238	The history of human-induced soil erosion: Geomorphic legacies, early descriptions and research, and the development of soil conservation—A global synopsis. Geomorphology, 2013, 201, 1-34.	1.1	245
239	Assessment and monitoring of accelerated water erosion of cultivated land – when will reality be acknowledged?. Soil Use and Management, 2013, 29, 105-118.	2.6	37
240	Effects of Vegetation Restoration on Soil Conservation and Sediment Loads in China: A Critical Review. Critical Reviews in Environmental Science and Technology, 2013, 43, 1384-1415.	6.6	76
241	The relationship of soil organic carbon to 210Pbex and 137Cs during surface soil erosion in a hillslope forested environment. Geoderma, 2013, 192, 59-67.	2.3	35
242	Geomorphology and terrestrial carbon cycling. Earth Surface Processes and Landforms, 2013, 38, 103-105.	1.2	3
243	Managing soil carbon for climate change mitigation and adaptation in Mediterranean cropping systems: A meta-analysis. Agriculture, Ecosystems and Environment, 2013, 168, 25-36.	2.5	332
244	Isotopic indicators of source and fate of particulate organic carbon in a karstic watershed on the Yunnan-Guizhou Plateau. Applied Geochemistry, 2013, 36, 153-167.	1.4	12

#	Article	IF	Citations
245	Effects of interrill erosion, soil crusting and soil aggregate breakdown on in situ CO2 effluxes. Catena, 2013, 104, 14-20.	2.2	18
246	Dynamic of particulate and dissolved organic carbon in small volcanic mountainous tropical watersheds. Chemical Geology, 2013, 351, 229-244.	1.4	52
247	Colloidal properties and potential release of water-dispersible colloids in an agricultural soil depth profile. Geoderma, 2013, 193-194, 94-101.	2.3	36
248	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. Ecological Engineering, 2013, 57, 366-374.	1.6	58
249	Effects of water erosion on the redistribution of soil organic carbon in the hilly red soil region of southern China. Geomorphology, 2013, 197, 137-144.	1.1	79
250	Soil carbon fluxes and balances and soil properties of organically amended no-till corn production systems. Geoderma, 2013, 197-198, 177-185.	2.3	25
251	Soil crusting impact on soil organic carbon losses by water erosion. Catena, 2013, 107, 26-34.	2.2	38
252	Uncertainty in soil carbon accounting due to unrecognized soil erosion. Global Change Biology, 2013, 19, 264-272.	4.2	50
253	Agriculture and greenhouse gases, a common tragedy. A review. Agronomy for Sustainable Development, 2013, 33, 275-289.	2.2	57
254	Dynamics of soil fauna after plantation of perennial energy crops on polluted soils. Applied Soil Ecology, 2013, 66, 29-39.	2.1	34
255	Long-term soil carbon loss and accumulation in a catchment following the conversion of forest to arable land in northern Laos. Agriculture, Ecosystems and Environment, 2013, 169, 43-57.	2.5	50
256	Microbial responses to the erosional redistribution of soil organic carbon in arable fields. Soil Biology and Biochemistry, 2013, 60, 195-201.	4.2	44
257	Assessing land cover and soil quality by remote sensing and geographical information systems (GIS). Catena, 2013, 104, 77-92.	2.2	65
258	Stability of organic matter in soils of the Belgian Loess Belt upon erosion and deposition. European Journal of Soil Science, 2013, 64, 219-228.	1.8	53
259	Economic factors influencing potential use of cellulosic crop residues for electricity generation. Energy, 2013, 56, 81-91.	4.5	12
260	Conservation Practices for Climate Change Adaptation. Advances in Agronomy, 2013, 121, 47-115.	2.4	54
261	Dynamics of Soil Organic Carbon and Microbial Biomass Carbon in Relation to Water Erosion and Tillage Erosion. PLoS ONE, 2013, 8, e64059.	1.1	29
262	Estimation of soil loss by water erosion in the Chinese Loess Plateau using Universal Soil Loss Equation and GRACE. Geophysical Journal International, 2013, 193, 1283-1290.	1.0	20

#	Article	IF	CITATIONS
263	SOIL EROSION, CONSERVATION, AND ECOâ€ENVIRONMENT CHANGES IN THE LOESS PLATEAU OF CHINA. Land Degradation and Development, 2013, 24, 499-510.	1.8	780
264	Intensive Agriculture and the Soil Carbon Pool. Journal of Crop Improvement, 2013, 27, 735-751.	0.9	65
265	Impacts of land use change in soil carbon and nitrogen in a Mediterranean agricultural area (Southern Spain). Solid Earth, 2013, 4, 167-177.	1.2	86
266	MACROECONOMIC POLICY REFORMS AND PRODUCTIVITY GROWTH IN AFRICAN AGRICULTURE. Contemporary Economic Policy, 2013, 31, 814-830.	0.8	9
267	THE INFLUENCE OF BLOWING SOIL TRAPPED BY SHRUBS ON FERTILITY IN TABERNAS DISTRICT (SE SPAIN). Land Degradation and Development, 2013, 24, 575-581.	1.8	16
268	Soil organic carbon dust emission: an omitted global source of atmospheric <scp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp><0.5cp</scp>	4.2	56
269	Soil organic carbon enrichment of dust emissions: magnitude, mechanisms and its implications for the carbon cycle. Earth Surface Processes and Landforms, 2013, 38, 1662-1671.	1.2	43
270	The topology of non-linear global carbon dynamics: from tipping points to planetary boundaries. Environmental Research Letters, 2013, 8, 044048.	2.2	45
271	Intensive Agriculture and the Soil Carbon Pool. , 2013, , 59-72.		0
272	Modeling Soil Erosion and resulting Sediment Transport into Surface Water Courses on Regional Scale. Zeitschrift Für Geomorphologie, 2013, 57, 157-175.	0.3	7
273	Combined use of stable isotopes and fallout radionuclides as soil erosion indicators in a forested mountain site, South Korea. Biogeosciences, 2013, 10, 5627-5638.	1.3	37
274	Soil organic carbon mobilization by interrill erosion: Insights from size fractions. Journal of Geophysical Research F: Earth Surface, 2013, 118, 348-360.	1.0	46
275	Soil Organic Carbon Pools in Riparian Landscapes of Southern New England. Soil Science Society of America Journal, 2013, 77, 1070-1079.	1.2	26
276	Effect of Land Use History and Pattern on Soil Carbon Storage in Arid Region of Central Asia. PLoS ONE, 2013, 8, e68372.	1.1	11
277	Effect of Erosion on Productivity in Subtropical Red Soil Hilly Region: A Multi-Scale Spatio-Temporal Study by Simulated Rainfall. PLoS ONE, 2013, 8, e77838.	1.1	18
278	Soil Erosion from Agriculture and Mining: A Threat to Tropical Stream Ecosystems. Agriculture (Switzerland), 2013, 3, 660-683.	1.4	92
279	Temporal Variation of SOC Enrichment from Interrill Erosion over Prolonged Rainfall Simulations. Agriculture (Switzerland), 2013, 3, 726-740.	1.4	30
280	Carbon Sequestration, Terrestrial., 2013, , .		2

#	Article	IF	CITATIONS
281	Monitoring of soil organic carbon and nitrogen stocks in different land use under surface water erosion in a semi-arid drainage basin of Iran. Journal of Applied Sciences and Environmental Management, 2013, 17, .	0.1	1
282	Soil Carbon Dynamics in Agricultural Systems. , 0, , 381-402.		1
283	Impacts of watershed processes on exported riverine organic carbon., 2013,, 174-199.		3
284	Quantifying Tacit Knowledge about Soil Organic Carbon Stocks Using Soil Taxa and Official Soil Series Descriptions. Soil Science Society of America Journal, 2013, 77, 1711-1723.	1.2	11
285	The fate of buried organic carbon in colluvial soils: a long-term perspective. Biogeosciences, 2014, 11, 873-883.	1.3	52
286	Aggregates reduce transport distance of soil organic carbon: are our balances correct?. Biogeosciences, 2014, 11, 6209-6219.	1.3	32
287	Influence of Vegetation Restoration on Topsoil Organic Carbon in a Small Catchment of the Loess Hilly Region, China. PLoS ONE, 2014, 9, e94489.	1.1	16
288	Soil Organic Carbon Redistribution by Water Erosion – The Role of CO2 Emissions for the Carbon Budget. PLoS ONE, 2014, 9, e96299.	1.1	42
289	Erosion-induced massive organic carbon burial and carbon emission in the Yellow River basin, China. Biogeosciences, 2014, 11, 945-959.	1.3	67
290	Australian net (1950s–1990) soil organic carbon erosion: implications for CO ₂ emission and land–atmosphere modelling. Biogeosciences, 2014, 11, 5235-5244.	1.3	26
291	Impacts of coal seam gas infrastructure development on agricultural soil: a case-study in southern Queensland, Australia. , 2014, , .		0
292	Climate Strategic Soil Management. Challenges, 2014, 5, 43-74.	0.9	25
293	Dynamics of organic carbon losses by water erosion after biocrust removal. Journal of Hydrology and Hydromechanics, 2014, 62, 258-268.	0.7	41
294	Patterns in <scp>CH₄</scp> and <scp>CO₂</scp> concentrations across boreal rivers: Major drivers and implications for fluvial greenhouse emissions under climate change scenarios. Global Change Biology, 2014, 20, 1075-1088.	4.2	103
295	Chronic and intensive bottom trawling impairs deep-sea biodiversity and ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8861-8866.	3.3	304
296	Carbon loss by water erosion in drylands: implications from a study of vegetation change in the southâ€west USA. Hydrological Processes, 2014, 28, 2212-2222.	1.1	23
297	Soil conservation and ecosystem services. International Soil and Water Conservation Research, 2014, 2, 36-47.	3.0	114
298	USING THE ¹³⁷ C _s TECHNIQUE TO STUDY THE EFFECT OF SOIL REDISTRIBUTION ON SOIL ORGANIC CARBON AND TOTAL NITROGEN STOCKS IN AN AGRICULTURAL CATCHMENT OF NORTHEAST CHINA. Land Degradation and Development, 2014, 25, 350-359.	1.8	38

#	Article	IF	CITATIONS
299	Soil organic carbon and influencing factors in different landscapes in an arid region of northwestern China. Catena, 2014, 116, 95-104.	2.2	64
300	Soil aggregation and the stabilization of organic carbon as affected by erosion and deposition. Soil Biology and Biochemistry, 2014, 72, 55-65.	4.2	134
301	Combined effect of geomorphic and pedogenic processes on the distribution of soil organic carbon quality along an eroding hillslope on loess soil. Geoderma, 2014, 216, 36-47.	2.3	65
302	Climatic and topographic controls on soil organic matter storage and dynamics in the Indian Himalaya: Potential carbon cycle–climate change feedbacks. Catena, 2014, 119, 125-135.	2.2	40
303	Assessing soil erosion risk in karst area using fuzzy modeling and method of the analytical hierarchy process. Environmental Earth Sciences, 2014, 71, 287-292.	1.3	19
304	Modeling the contribution of abiotic exchange to CO2 flux in alkaline soils of arid areas. Journal of Arid Land, 2014, 6, 27-36.	0.9	13
305	Soil as World Heritage. , 2014, , .		5
306	Opportunities and Challenges of Soil Carbon Sequestration by Conservation Agriculture in China. Advances in Agronomy, 2014, , 1 -36.	2.4	73
307	Fast mineralization of land-born C in inland waters: first experimental evidences of aquatic priming effect. Hydrobiologia, 2014, 721, 35-44.	1.0	92
308	Overlooking soil erosion induces underestimation of the soil C loss in degraded land. Quaternary International, 2014, 349, 287-290.	0.7	27
309	Effect of soil erosion on dissolved organic carbon redistribution in subtropical red soil under rainfall simulation. Geomorphology, 2014, 226, 217-225.	1.1	61
310	How much soil organic carbon sequestration is due to conservation agriculture reducing soil erosion?. Soil Research, 2014, 52, 717.	0.6	16
311	Litter decomposition rates of green manure as affected by soil erosion, transport and deposition processes, and the implications for the soil carbon balance of a rainfed olive grove under a dry Mediterranean climate. Agriculture, Ecosystems and Environment, 2014, 196, 167-177.	2.5	37
312	The fate of soil organic carbon upon erosion, transport and deposition in agricultural landscapes — A review of different concepts. Geomorphology, 2014, 226, 94-105.	1.1	157
313	Evaluation of a model framework to estimate soil and soil organic carbon redistribution by water and tillage using 137Cs in two U.S. Midwest agricultural fields. Geoderma, 2014, 232-234, 437-448.	2.3	26
314	Factors controlling soil organic carbon persistence along an eroding hillslope on the loess belt. Soil Biology and Biochemistry, 2014, 77, 187-196.	4.2	24
315	A global estimate of carbon stored in the world's mountain grasslands and shrublands, and the implications for climate policy. Global Environmental Change, 2014, 28, 14-24.	3.6	31
316	Microbial distribution in an eroded landscape: Buried A horizons support abundant and unique communities. Agriculture, Ecosystems and Environment, 2014, 196, 94-102.	2.5	40

#	Article	IF	CITATIONS
317	Contrasting development of soil microbial community structure under no-tilled perennial and tilled cropping during early pedogenesis of a Mollisol. Soil Biology and Biochemistry, 2014, 77, 221-232.	4.2	27
318	Effect of soil temperature and soil moisture on CO2 flux from eroded landscape positions on black soil in Northeast China. Soil and Tillage Research, 2014, 144, 119-125.	2.6	45
319	Soil carbon stock and flux in plantation forest and grassland ecosystems in Loess Plateau, China. Chinese Geographical Science, 2014, 24, 423-435.	1.2	7
320	Difference in organic carbon contents and distributions in particle-size fractions between soil and sediment on the Southern Loess Plateau, China. Journal of Mountain Science, 2014, 11, 717-726.	0.8	21
321	Organic carbon stocks and erosion in the soils of Guangdong, South China. Environmental Earth Sciences, 2014, 72, 2597-2606.	1.3	3
322	The Chronological Advancement of Soil Organic Carbon Sequestration Research: A Review. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 487-504.	0.4	9
323	Can soil respiration estimate neglect the contribution of abiotic exchange?. Journal of Arid Land, 2014, 6, 129-135.	0.9	14
324	Scratching the Critical Zone: The Global Footprint of Agricultural Soil Erosion. Procedia Earth and Planetary Science, 2014, 10, 313-318.	0.6	25
325	Long-term effects of different land use types on C, N, and P stoichiometry and storage in subtropical ecosystems: A case study in China. Ecological Engineering, 2014, 67, 171-181.	1.6	104
326	Soil carbon and silicon pools across an un-drained toposequence in central Ohio. Catena, 2014, 120, 57-63.	2.2	15
327	Soil, Water, and Nutrient Management Options for Climate Change Adaptation in Southern Africa. Agronomy Journal, 2014, 106, 100-110.	0.9	8
328	Experimental Consideration, Treatments, and Methods in Determining Soil Organic Carbon Sequestration Rates. Soil Science Society of America Journal, 2014, 78, 348-360.	1.2	118
330	Estimation of Aboveground Forest Carbon Flux in Oregon: Adding Components of Change to Stock-Difference Assessments. Forest Science, 2014, 60, 317-326.	0.5	10
332	A Study of Phytolith-occluded Carbon Stock in Monopodial Bamboo in China. Scientific Reports, 2015, 5, 13292.	1.6	15
333	Particulate nitrogen exports in stream runoff exceed dissolved nitrogen forms during large tropical storms in a temperate, headwater, forested watershed. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1548-1566.	1.3	32
334	Variations of carbon transport in the Yellow River, China. Hydrology Research, 2015, 46, 746-762.	1.1	12
335	Landscapeâ€scale modelling of erosion processes and soil carbon dynamics under landâ€use and climate change in agroecosystems. European Journal of Soil Science, 2015, 66, 780-791.	1.8	21
336	A review of the impacts of degradation threats on soil properties in the <scp>UK</scp> . Soil Use and Management, 2015, 31, 1-15.	2.6	64

#	Article	IF	CITATIONS
337	Effects of strong ionic polarization in the soil electric field on soil particle transport during rainfall. European Journal of Soil Science, 2015, 66, 921-929.	1.8	39
338	Controls on carbon and nitrogen export in an eroding catchment of southâ€eastern Queensland, Australia. Hydrological Processes, 2015, 29, 739-751.	1.1	13
339	Economic and Environmental Effects of Conservation Tillage with Glyphosate Use: a Case Study of Germany. Outlooks on Pest Management, 2015, 26, 24-27.	0.1	10
340	Soil carbon losses by sheet erosion: a potentially critical contribution to the global carbon cycle. Earth Surface Processes and Landforms, 2015, 40, 1803-1813.	1.2	64
341	Analysis of Time Scale Influences on Water and Soil Conservation Effects for Trees on Experimental Plots Using Vegetation Fractional Coverage. Forest Science, 2015, 61, 67-75.	0.5	9
342	Vertical partitioning and controlling factors of gradient-based soil carbon dioxide fluxes in two contrasted soil profiles along a loamy hillslope. Biogeosciences, 2015, 12, 4637-4649.	1.3	18
343	Effects of Long Term Application of Inorganic and Organic Fertilizers on Soil Organic Carbon and Physical Properties in Maize–Wheat Rotation. Agronomy, 2015, 5, 220-238.	1.3	155
344	Impact of Eightâ€Year Topsoil Removal and Soil Amendments on Soil Carbon Dioxide Emission in an Eroded Chinese Mollisols. Agronomy Journal, 2015, 107, 1280-1286.	0.9	6
345	A Combined Raindrop Aggregate Destruction Test-Settling Tube (RADT-ST) Approach to Identify the Settling Velocity of Sediment. Hydrology, 2015, 2, 176-192.	1.3	12
346	GHG Mitigation Potential of Different Grazing Strategies in the United States Southern Great Plains. Sustainability, 2015, 7, 13500-13521.	1.6	48
347	Challenging Balance between Productivity and Environmental Quality: Tillage Impacts., 0,, 13-37.		4
348	Which Soil Carbon Fraction is the Best for Assessing Management Differences? A Statistical Power Perspective. Soil Science Society of America Journal, 2015, 79, 848-857.	1.2	19
349	Improving the global applicability of the RUSLE model – adjustment of the topographical and rainfall erosivity factors. Geoscientific Model Development, 2015, 8, 2893-2913.	1.3	87
350	Crop Residue Management and Soil Carbon Dynamics. SSSA Special Publication Series, 0, , 291-309.	0.2	12
351	Influence of Climate and Land Use Change on Carbon in Agriculture, Forest, and Peatland Ecosystems across Canada. SSSA Special Publication Series, 2015, , 47-70.	0.2	2
352	Sources and export of particle-borne organic matter during a monsoon flood in a catchment of northern Laos. Biogeosciences, 2015, 12, 1073-1089.	1.3	14
353	Toward Restoration of Ecosystem Function and Livelihoods on Grazed Agroecosystems. Crop Science, 2015, 55, 2550-2556.	0.8	13
354	Capability of Spaceborne Hyperspectral EnMAP Mission for Mapping Fractional Cover for Soil Erosion Modeling. Remote Sensing, 2015, 7, 11776-11800.	1.8	15

#	Article	IF	Citations
355	Sediment yield estimation in a small watershed on the northern Loess Plateau, China. Geomorphology, 2015, 241, 343-352.	1.1	77
356	Sources of organic matter in Changjiang (Yangtze River) bed sediments: Preliminary insights from organic geochemical proxies. Organic Geochemistry, 2015, 85, 11-21.	0.9	36
357	Sustained high magnitude erosional forcing generates an organic carbon sink: Test and implications in the Loess Plateau, China. Earth and Planetary Science Letters, 2015, 411, 281-289.	1.8	40
358	Observations of net soil exchange of CO2 in a dryland show experimental warming increases carbon losses in biocrust soils. Biogeochemistry, 2015, 126, 363-378.	1.7	74
359	The Spatial Distribution and Ecological Impacts of Aeolian Soil Erosion in Kangerlussuaq, West Greenland. Annals of the American Association of Geographers, 2015, 105, 875-890.	3.0	30
360	Soil erosion risk assessment in Sanjal watershed, Jharkhand (India) using geo-informatics, RUSLE model and TRMM data. Modeling Earth Systems and Environment, 2015, 1, 1.	1.9	43
361	Never Mind COP21, Here Came and Went the International Year of the Soil: Requiems, Symphonies, Rhapsodies. Capitalism, Nature, Socialism, 2015, 26, 127-140.	0.9	0
362	Impact of soil and water conservation on soil organic carbon content in a catchment of the middle Han River, China. Environmental Earth Sciences, 2015, 74, 6503-6510.	1.3	15
363	Soil erosion in the humid tropics: A systematic quantitative review. Agriculture, Ecosystems and Environment, 2015, 203, 127-139.	2.5	230
364	Surface organic carbon enrichment to explain greater CO2 emissions from short-term no-tilled soils. Agriculture, Ecosystems and Environment, 2015, 203, 110-118.	2.5	23
365	Organic Carbon and Nitrogen Associated with Soil Aggregates and Particle Sizes Under Different Land Uses in Tigray, Northern Ethiopia. Land Degradation and Development, 2015, 26, 690-700.	1.8	161
366	Wildfire effects on soil carbon and water repellency under eucalyptus forest in Eastern Australia. Soil Research, 2015, 53, 13.	0.6	10
367	Soil Organic Carbon Stocks in a Large Eutrophic Floodplain Forest of the Southeastern Atlantic Coastal Plain, USA. Wetlands, 2015, 35, 291-301.	0.7	31
368	Soil aggregate stability to predict organic carbon outputs from soils. Geoderma, 2015, 243-244, 205-213.	2.3	141
369	Aggregation stability and organic carbon fraction in a soil amended with some plant residues, nanozeolite, and natural zeolite. International Journal of Recycling of Organic Waste in Agriculture, 2015, 4, 11-22.	2.0	46
371	A new approach to estimate cover-management factor of RUSLE and validation of RUSLE model in the watershed of Kartalkaya Dam. Journal of Hydrology, 2015, 528, 584-598.	2.3	84
372	The effect of land-use change on the net exchange rates of greenhouse gases: A compilation of estimates. Agriculture, Ecosystems and Environment, 2015, 208, 114-126.	2.5	57
373	Improving global environmental management with standard corporate reporting. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7375-7382.	3.3	53

#	Article	IF	CITATIONS
374	Influences of intensive tillage on water-stable aggregate distribution on a steep hillslope. Soil and Tillage Research, 2015, 151, 82-92.	2.6	69
375	Mind the gap: nonâ€biological processes contributing to soil <scp>CO</scp> ₂ efflux. Global Change Biology, 2015, 21, 1752-1761.	4.2	96
376	Sequestering carbon and increasing productivity by conservation agriculture. Journal of Soils and Water Conservation, 2015, 70, 55A-62A.	0.8	343
377	Crop residue stabilization and application to agricultural and degraded soils: A review. Waste Management, 2015, 42, 41-54.	3.7	98
378	The total costs of soil degradation in England and Wales. Ecological Economics, 2015, 119, 399-413.	2.9	135
379	Predictive modeling in sediment transportation across multiple spatial scales in the Jialing River Basin of China. International Journal of Sediment Research, 2015, 30, 250-255.	1.8	24
380	Inclusion of soil carbon lateral movement alters terrestrial carbon budget in China. Scientific Reports, 2014, 4, 7247.	1.6	32
381	Carbon and macronutrient losses during accelerated erosion under different tillage and residue management. European Journal of Soil Science, 2015, 66, 218-225.	1.8	52
382	Research trends and hotspots in soil erosion from 1932 to 2013: a literature review. Scientometrics, 2015, 105, 743-758.	1.6	36
383	Long-term variations in soil organic matter under different tillage intensities. Soil and Tillage Research, 2015, 154, 126-135.	2.6	35
384	Carbon sequestration in soil. Current Opinion in Environmental Sustainability, 2015, 15, 79-86.	3.1	277
385	A tribute to Michael R. Raupach for contributions to aeolian fluid dynamics. Aeolian Research, 2015, 19, 37-54.	1.1	27
386	A method for modeling the effects of climate and land use changes on erosion and sustainability of soil in a Mediterranean watershed (Languedoc, France). Journal of Environmental Management, 2015, 150, 57-68.	3.8	66
387	Atmospheric ²¹⁰ Pb as a tracer for soil organic carbon transport in a coniferous forest. Environmental Sciences: Processes and Impacts, 2015, 17, 110-119.	1.7	11
388	The influence of catchment morphology, lithology and land use on soil organic carbon export in a Mediterranean mountain region. Catena, 2015, 126, 117-125.	2.2	17
389	Impact of sheet erosion mechanisms on organic carbon losses from crusted soils in the Sahel. Catena, 2015, 126, 60-67.	2.2	24
390	Responses of soil respiration to land use conversions in degraded ecosystem of the semi-arid Loess Plateau. Ecological Engineering, 2015, 74, 196-205.	1.6	83
391	Natural and anthropogenic influence on soil erosion in a rural watershed in the Brazilian southeastern region. Regional Environmental Change, 2015, 15, 709-720.	1.4	12

#	Article	IF	CITATIONS
393	The Impact of Soil Erosion as a Food Security and Rural Livelihoods Risk in South Africa. Journal of Agricultural Science, $2016, 8, 1$.	0.1	3
394	On the rebound: soil organic carbon stocks can bounce back to near forest levels when agroforests replace agriculture in southern India. Soil, 2016, 2, 13-23.	2.2	49
395	Modeling long-term, large-scale sediment storage using a simple sediment budget approach. Earth Surface Dynamics, 2016, 4, 407-423.	1.0	15
397	Forms and Fluxes of Soil Organic Carbon Transport via Overland Flow, Interflow, and Soil Erosion. Soil Science Society of America Journal, 2016, 80, 1011-1019.	1.2	20
398	Estimates of Annual Soil Loss Rates in the State of $S\tilde{A}$ £o Paulo, Brazil. Revista Brasileira De Ciencia Do Solo, 2016, 40, .	0.5	17
399	Moderate topsoil erosion rates constrain the magnitude of the erosion-induced carbon sink and agricultural productivity losses on the Chinese Loess Plateau. Biogeosciences, 2016, 13, 4735-4750.	1.3	32
400	Diagnosis of the Accelerated Soil Erosion in S $\tilde{\text{A}}$ £o Paulo State (Brazil) by the Soil Lifetime Index Methodology. Revista Brasileira De Ciencia Do Solo, 2016, 40, .	0.5	2
401	A Quantitative Method for Long-Term Water Erosion Impacts on Productivity with a Lack of Field Experiments: A Case Study in Huaihe Watershed, China. Sustainability, 2016, 8, 675.	1.6	2
402	Variability of Berylliumâ€7 and Its Potential for Documenting Soil and Soil Organic Carbon Redistribution by Erosion. Soil Science Society of America Journal, 2016, 80, 693-703.	1.2	13
403	Intelligence in Ecology: How Internet of Things Expands Insights into the Missing CO ₂ Sink. Scientific Programming, 2016, 2016, 1-8.	0.5	2
404	Effects of Revegetation on Soil Organic Carbon Storage and Erosion-Induced Carbon Loss under Extreme Rainstorms in the Hill and Gully Region of the Loess Plateau. International Journal of Environmental Research and Public Health, 2016, 13, 456.	1.2	26
405	Degradation of net primary production in a semiarid rangeland. Biogeosciences, 2016, 13, 4721-4734.	1.3	19
406	Conservation Effects on Soil Quality and Climate Change Adaptability of Ethiopian Watersheds. Land Degradation and Development, 2016, 27, 1603-1621.	1.8	48
407	Modelâ€based evaluation of impact of soil redistribution on soil organic carbon stocks in a temperate hedgerow landscape. Earth Surface Processes and Landforms, 2016, 41, 1536-1549.	1.2	9
408	Particulate carbon and nitrogen dynamics in a headwater catchment in Northern Thailand: hysteresis, high yields, and hot spots. Hydrological Processes, 2016, 30, 3339-3360.	1.1	6
409	Topographic variability and the influence of soil erosion on the carbon cycle. Global Biogeochemical Cycles, 2016, 30, 644-660.	1.9	49
410	On-farm gains and losses of soil organic carbon in terrestrial hydrological pathways: A review of empirical research. International Soil and Water Conservation Research, 2016, 4, 245-259.	3.0	23
411	Globalizing Environmental Sustainability: "2015 International Year of Soil―Transitioning to "2015–2024 International Decade of Soil― , 2016, , 457-466.		1

#	Article	IF	CITATIONS
412	Loess Plateau check dams can potentially sequester eroded soil organic carbon. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1449-1455.	1.3	24
413	Innovations in Dryland Agriculture. , 2016, , .		15
414	Flood Holding Capacity: A Novel Concept to Evaluate the Resilience of Amended Soils. , 2016, , .		2
415	Ecophysiological indicators of native Cistus ladanifer L. at Riotinto mine tailings (SW Spain) for assessing its potential use for rehabilitation. Ecological Engineering, 2016, 91, 93-100.	1.6	14
416	Quantifying the erosion effect on current carbon budget of European agricultural soils at high spatial resolution. Global Change Biology, 2016, 22, 1976-1984.	4.2	65
417	Seepage weathering impacts on erosivity of arid stream banks: A new conceptual model. Geomorphology, 2016, 261, 212-221.	1.1	17
418	Identification of soil erosion vulnerable areas in Chandrabhaga river basin: a multi-criteria decision approach. Modeling Earth Systems and Environment, 2016 , 2 , 1 .	1.9	40
419	Spatial patterns and environmental controls of particulate organic carbon in surface waters in the conterminous United States. Science of the Total Environment, 2016, 554-555, 266-275.	3.9	18
420	Tracing the source of soil organic matter eroded from temperate forest catchments using carbon and nitrogen isotopes. Chemical Geology, 2016, 445, 172-184.	1.4	81
421	Impact of soil erosion on soil organic carbon stocks. Journal of Soils and Water Conservation, 2016, 71, 61A-67A.	0.8	95
422	Carbon losses in terrestrial hydrological pathways in sugarcane cropping systems of Australia. Journal of Soils and Water Conservation, 2016, 71, 109A-113A.	0.8	4
423	Leachability, availability and bioaccessibility of Cu and Cd in a contaminated soil treated with apatite, lime and charcoal: A five-year field experiment. Ecotoxicology and Environmental Safety, 2016, 134, 148-155.	2.9	88
424	Application of Web ERosivity Module (WERM) for estimation of annual and monthly R factor in Korea. Catena, 2016, 147, 225-237.	2.2	26
425	Compound-specific $\hat{l}'13C$ isotopes and Bayesian inference for erosion estimates under different land use in Vietnam. Geoderma Regional, 2016, 7, 311-322.	0.9	15
426	Stability of soil organic carbon and potential carbon sequestration at eroding and deposition sites. Journal of Soils and Sediments, 2016, 16, 1705-1717.	1.5	20
427	Redistribution of Soil Organic Carbon Triggered by Erosion at Field Scale Under Subhumid Climate, Hungary. Pedosphere, 2016, 26, 652-665.	2.1	19
428	Carbon fate in a large temperate humanâ€impacted river system: Focus on benthic dynamics. Global Biogeochemical Cycles, 2016, 30, 1086-1104.	1.9	24
429	Greenhouse gas emissions in a spring wheat–field pea sequence under different tillage practices in semi-arid Northwest China. Nutrient Cycling in Agroecosystems, 2016, 106, 77-91.	1.1	39

#	Article	IF	CITATIONS
430	Quantifying soil erosion effects on soil productivity in the dry-hot valley, southwestern China. Environmental Earth Sciences, 2016, 75, 1.	1.3	41
431	Stable hydrogen and oxygen isotopes in mineral-bound water and the indication for chemical weathering intensity. Chemical Geology, 2016, 441, 14-23.	1.4	10
432	Soil organic carbon of mangrove forests (Rhizophora and Avicennia) of the Venezuelan Caribbean coast. Organic Geochemistry, 2016, 100, 51-61.	0.9	26
433	Impact of hydrologically driven hillslope erosion and landslide occurrence on soil organic carbon dynamics in tropical watersheds. Water Resources Research, 2016, 52, 8895-8919.	1.7	18
434	Climate Change: Impacts on Carbon Sequestration, Biodiversity and Agriculture., 2016,, 401-428.		0
435	Vegetation cover and topography rather than human disturbance control gully density and sediment production on the Chinese Loess Plateau. Geomorphology, 2016, 274, 92-105.	1.1	56
436	The structure of bacterial communities along two vertical profiles of a deep colluvial soil. Soil Biology and Biochemistry, 2016, 101, 65-73.	4.2	46
437	Transport-distance specific SOC distribution: Does it skew erosion induced C fluxes?. Biogeochemistry, 2016, 128, 339-351.	1.7	33
438	Future C loss in mid-latitude mineral soils: climate change exceeds land use mitigation potential in France. Scientific Reports, 2016, 6, 35798.	1.6	29
439	137Cs tracing dynamics of soil erosion, organic carbon, and total nitrogen in terraced fields and forestland in the Middle Mountains of Nepal. Journal of Mountain Science, 2016, 13, 1829-1839.	0.8	11
440	Impacts of climate change on water erosion: A review. Earth-Science Reviews, 2016, 163, 94-117.	4.0	330
441	Dryland, calcareous soils store (and lose) significant quantities of nearâ€surface organic carbon. Journal of Geophysical Research F: Earth Surface, 2016, 121, 684-702.	1.0	15
442	Environmental stochasticity controls soil erosion variability. Scientific Reports, 2016, 6, 22065.	1.6	26
443	Deposition and fate of organic carbon in floodplains along a tropical semiarid lowland river (Tana) Tj ETQq $1\ 1$	0.784314 rg	BT 10verlock
444	Suitability of revision to MUSLE for estimating sediment yield in the Loess Plateau of China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 379-394.	1.9	13
445	Development of soil food web of microbes and nematodes under different agricultural practices during the early stage of pedogenesis of a Mollisol. Soil Biology and Biochemistry, 2016, 98, 208-216.	4.2	24
446	Lateral transport of soil carbon and landâ^'atmosphere CO ₂ flux induced by water erosion in China. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6617-6622.	3.3	117
447	Selective organic carbon losses from soils by sheet erosion and main controls. Earth Surface Processes and Landforms, 2016, 41, 1399-1408.	1.2	40

#	Article	IF	CITATIONS
448	Climate Change andÂAgriculture. , 2016, , 465-489.		5
449	A half-century of global phosphorus flows, stocks, production, consumption, recycling, and environmental impacts. Global Environmental Change, 2016, 36, 139-152.	3.6	202
450	Effect of land-use changes and site variables on surface soil organic carbon pool at Mediterranean Region. Journal of African Earth Sciences, 2016, 114, 78-84.	0.9	33
451	Exploring the potential of perennial crops in reducing soil erosion: A GIS-based scenario analysis in southern Tuscany, Italy. Applied Geography, 2016, 66, 119-131.	1.7	19
452	Lipid, sterol and saccharide sources and dynamics in surface soils during an annual cycle in a temperate climate region. Applied Geochemistry, 2016, 66, 1-13.	1.4	15
453	The fluvial flux of particulate organic matter from the UK: the emission factor of soil erosion. Earth Surface Processes and Landforms, 2016, 41, 61-71.	1.2	22
454	Understanding the role of soil erosion on co 2 -c loss using 13 c isotopic signatures in abandoned Mediterranean agricultural land. Science of the Total Environment, 2016, 550, 330-336.	3.9	90
455	Spatial and temporal estimation of soil loss for the sustainable management of a wet semi-arid watershed cluster. Environmental Monitoring and Assessment, 2016, 188, 143.	1.3	23
456	Dynamics of soil organic carbon stocks in the Guinea savanna and transition agro-ecology under different land-use systems in Ghana. Cogent Geoscience, 2016, 2, 1140319.	0.6	20
457	Assessment and Measurement of Wind Erosion. Springer Water, 2016, , 425-449.	0.2	5
458	The role of ruminants in reducing agriculture's carbon footprint in North America. Journal of Soils and Water Conservation, 2016, 71, 156-164.	0.8	106
459	Modeling total particulate organic carbon (POC) flows in the Baltic Sea catchment. Biogeochemistry, 2016, 128, 51-65.	1.7	4
460	Erosion, deposition and soil carbon: A review of process-level controls, experimental tools and models to address C cycling in dynamic landscapes. Earth-Science Reviews, 2016, 154, 102-122.	4.0	363
461	Erosion-induced exposure of SOC to mineralization in aggregated sediment. Catena, 2016, 137, 517-525.	2.2	34
462	Effect of breakdown and dispersion of soil aggregates by erosion on soil CO2 emission. Geoderma, 2016, 264, 238-243.	2.3	33
463	Effect of soil redistribution on various organic carbons in a water- and tillage-eroded soil. Soil and Tillage Research, 2016, 155, 1-8.	2.6	23
464	The global significance of omitting soil erosion from soil organic carbon cycling schemes. Nature Climate Change, 2016, 6, 187-191.	8.1	168
465	Soil organic carbon in playas and adjacent prairies, cropland, and Conservation Reserve Program land of the High Plains, USA. Soil and Tillage Research, 2016, 156, 16-24.	2.6	21

#	Article	IF	CITATIONS
466	A source-to-sink perspective of the Waipaoa River margin. Earth-Science Reviews, 2016, 153, 301-334.	4.0	56
467	Land degradation a matter of attitude? A case study from southern Transylvania (Romania). Journal of Environmental Planning and Management, 2017, 60, 821-841.	2.4	3
468	Sediment Reallocations due to Erosive Rainfall Events in the Three Gorges Reservoir Area, Central China. Land Degradation and Development, 2017, 28, 1212-1227.	1.8	22
469	Comparing catchment hydrologic response to a regional storm using specific conductivity sensors. Hydrological Processes, 2017, 31, 1074-1085.	1.1	14
470	Suspended sediment source and propagation during monsoon events across nested sub-catchments with contrasted land uses in Laos. Journal of Hydrology: Regional Studies, 2017, 9, 69-84.	1.0	15
471	Soil Organic Carbon Fractions and Stocks Respond to Restoration Measures in Degraded Lands by Water Erosion. Environmental Management, 2017, 59, 816-825.	1.2	20
472	Impact of soil and water conservation measures on soil erosion rate and sediment yields in a tropical watershed in the Central Highlands of Sri Lanka. Applied Geography, 2017, 79, 103-114.	1.7	48
473	Net ecosystem CO 2 exchange in an irrigated olive orchard of SE Spain: Influence of weed cover. Agriculture, Ecosystems and Environment, 2017, 239, 51-64.	2.5	33
474	Impact of soil water erosion processes on catchment export of soil aggregates and associated SOC. Geoderma, 2017, 294, 63-69.	2.3	60
475	Improving Soil Fertility and Soil Functioning in Cover Cropped Agroecosystems with Symbiotic Microbes., 2017,, 149-171.		5
476	Evaluating the impact of soil conservation measures on soil organic carbon at the farm scale. Computers and Electronics in Agriculture, 2017, 135, 175-182.	3.7	41
477	Implications of land use transitions on soil nitrogen in dynamic landscapes in Tanzania. Land Use Policy, 2017, 64, 95-100.	2.5	14
478	Do land use change and check-dam construction affect a real estimate of soil carbon and nitrogen stocks on the Loess Plateau of China?. Ecological Engineering, 2017, 101, 220-226.	1.6	40
479	LUPWY: land use planner for water yield for environmental change analysis. Modeling Earth Systems and Environment, 2017, 3, 1.	1.9	0
480	Human-induced erosion has offset one-third of carbon emissions from land cover change. Nature Climate Change, 2017, 7, 345-349.	8.1	149
481	Effects of rates and time of zeolite application on controlling runoff generation and soil loss from a soil subjected to a freeze-thaw cycle. International Soil and Water Conservation Research, 2017, 5, 95-101.	3.0	28
482	Sediment-bound total organic carbon and total organic nitrogen losses from conventional and strip tillage cropping systems. Soil and Tillage Research, 2017, 171, 25-34.	2.6	17
483	The carbon flux of global rivers: A re-evaluation of amount and spatial patterns. Ecological Indicators, 2017, 80, 40-51.	2.6	106

#	Article	IF	CITATIONS
484	Soil ecosystem services and intensified cropping systems. Journal of Soils and Water Conservation, 2017, 72, 64A-69A.	0.8	29
485	Soil organic carbon losses by water erosion in a Mediterranean watershed. Soil Research, 2017, 55, 363.	0.6	17
486	Terrestrially derived glomalin-related soil protein quality as a potential ecological indicator in a peri-urban watershed. Environmental Monitoring and Assessment, 2017, 189, 315.	1.3	2
487	Divergent taxonomic and functional responses of microbial communities to field simulation of aeolian soil erosion and deposition. Molecular Ecology, 2017, 26, 4186-4196.	2.0	14
488	Changes in carbon and nutrient fluxes from headwaters to ocean in a mountainous temperate to subtropical basin. Earth Surface Processes and Landforms, 2017, 42, 2038-2053.	1.2	4
489	Soil and biomass carbon re-accumulation after landslide disturbances. Geomorphology, 2017, 288, 164-174.	1.1	24
490	Greenhouse Gas Mitigation under Agriculture and Livestock Landuse., 2017,, 343-394.		3
491	Tillage system and time post-liquid dairy manure: Effects on runoff, sediment and nutrients losses. Agricultural Water Management, 2017, 184, 96-103.	2.4	28
492	Fate of riverâ€transported carbon in china: implications for carbon cycling in coastal ecosystems. Ecosystem Health and Sustainability, 2017, 3, .	1.5	12
493	How climate-smart is conservation agriculture (CA)? – its potential to deliver on adaptation, mitigation and productivity on smallholder farms in southern Africa. Food Security, 2017, 9, 537-560.	2.4	141
494	Identification and prioritization of critical erosion areas based on onsite and offsite effects. Catena, 2017, 156, 1-9.	2.2	14
495	Modeling Soil Aggregation at the Early Pedogenesis Stage From the Parent Material of a Mollisol Under Different Agricultural Practices. Advances in Agronomy, 2017, , 181-214.	2.4	10
496	Erosional redistribution of topsoil controls soil nitrogen dynamics. Biogeochemistry, 2017, 132, 37-54.	1.7	37
497	Modelling long-term soil organic carbon dynamics under the impact of land cover change and soil redistribution. Catena, 2017, 151, 63-73.	2.2	22
498	New World Atlas of Desertification and Issues of Carbon Sequestration, Organic Carbon Stocks, Nutrient Depletion and Implications for Food Security. The Anthropocene: Politik - Economics - Society - Science, 2017, , 13-25.	0.2	19
499	Estimating rainfall erosivity by incorporating seasonal variations in parameters into the Richardson model. Journal of Chinese Geography, 2017, 27, 275-296.	1.5	13
500	Factors influencing the organic carbon pools in tidal marsh soils of the Elbe estuary (Germany). Journal of Soils and Sediments, 2017, 17, 47-60.	1.5	26
501	Hydraulic-based empirical model for sediment and soil organic carbon loss on steep slopes for extreme rainstorms on the Chinese loess Plateau. Journal of Hydrology, 2017, 554, 600-612.	2.3	13

#	Article	IF	CITATIONS
502	Embedded rock fragments affect alpine steppe plant growth, soil carbon and nitrogen in the northern Tibetan Plateau. Plant and Soil, 2017, 420, 79-92.	1.8	36
503	137Cs Tracing Dynamics of Soil Erosion, Organic Carbon, and Total Nitrogen in Terraced Fields and Forestland in the Middle Mountains of Nepal. Springer Geography, 2017, , 243-259.	0.3	0
504	Source identification and budget evaluation of eroded organic carbon in an intensive agricultural catchment. Agriculture, Ecosystems and Environment, 2017, 247, 290-297.	2.5	34
505	Response of sedimentary organic matter source to rainfall events using stable carbon and nitrogen isotopes in a typical loess hilly-gully catchment of China. Journal of Hydrology, 2017, 552, 376-386.	2.3	23
506	Wind sorting affects differently the organo-mineral composition of saltating and particulate materials in contrasting texture agricultural soils. Aeolian Research, 2017, 28, 39-49.	1.1	23
507	Framework Design of Eco-Technology Evaluation Platform and Integration System. Journal of Resources and Ecology, 2017, 8, 325-331.	0.2	1
508	Effects of erosion on the microaggregate organic carbon dynamics in a small catchment of the Loess Plateau, China. Soil and Tillage Research, 2017, 174, 205-213.	2.6	14
509	A Global Data Analysis for Representing Sediment and Particulate Organic Carbon Yield in Earth System Models. Water Resources Research, 2017, 53, 10674-10700.	1.7	17
510	An assessment of the global impact of 21st century land use change on soil erosion. Nature Communications, 2017, 8, 2013.	5.8	1,398
511	Linking wind erosion to ecosystem services in drylands: a landscape ecological approach. Landscape Ecology, 2017, 32, 2399-2417.	1.9	73
512	Influence of land use and lithology on sources and ages of nutritional resources for stream macroinvertebrates: a multi-isotopic approach. Aquatic Sciences, 2017, 79, 925-939.	0.6	11
513	Farmers' Perception about Soil Erosion in Ethiopia. Land Degradation and Development, 2017, 28, 401-411.	1.8	76
514	Tracing the source of sedimentary organic carbon in the Loess Plateau of China: An integrated elemental ratio, stable carbon signatures, and radioactive isotopes approach. Journal of Environmental Radioactivity, 2017, 167, 201-210.	0.9	14
515	A review of the ecosystem functions in oil palm plantations, using forests as a reference system. Biological Reviews, 2017, 92, 1539-1569.	4.7	222
516	Influence of topography on soil organic carbon dynamics in a Southern California grassland. Catena, 2017, 149, 140-149.	2.2	128
517	Differentiating the sources of fine sediment, organic matter and nitrogen in a subtropical Australian catchment. Science of the Total Environment, 2017, 575, 1384-1394.	3.9	50
518	Rainfall/runoff/erosion relationships and soil properties survey in abandoned shallow soils of NE Spain. Journal of Soils and Sediments, 2017, 17, 499-514.	1.5	20
519	Response of soil organic carbon and nitrogen stocks to soil erosion and land use types in the Loess hilly–gully region of China. Soil and Tillage Research, 2017, 166, 1-9.	2.6	185

#	Article	IF	CITATIONS
520	Effects of biocrust on soil erosion and organic carbon losses under natural rainfall. Catena, 2017, 148, 117-125.	2.2	125
521	Sediment yield and sources in dam-controlled watersheds on the northern Loess Plateau. Catena, 2017, 149, 110-119.	2.2	48
522	Increase in ammonia-oxidizing microbe abundance during degradation of alpine meadows may lead to greater soil nitrogen loss. Biogeochemistry, 2017, 136, 341-352.	1.7	44
523	Erosion and Lateral Surface Processes. Vadose Zone Journal, 2017, 16, 1-4.	1.3	13
524	Potential of Beneficial Bacteria as Eco-friendly Options for Chemical-Free Alternative Agriculture., 2017,, 473-493.		2
525	Identifying the Areas Benefitting from the Prevention of Wind Erosion by the Key Ecological Function Area for the Protection of Desertification in Hunshandake, China. Sustainability, 2017, 9, 1820.	1.6	23
526	Post-wildfire Erosion in Mountainous Terrain Leads to Rapid and Major Redistribution of Soil Organic Carbon. Frontiers in Earth Science, 2017, 5, .	0.8	27
527	Soil Conservation â~†., 2017, , .		0
528	Scale dependent soil erosion dynamics in a fragile loess landscape. Zeitschrift FÃ $\frac{1}{4}$ r Geomorphologie, 2017, 61, 191-206.	0.3	6
529	Effect of drying–wetting cycles on aggregate breakdown for yellow–brown earths in karst areas. Geoenvironmental Disasters, 2017, 4, .	1.8	15
530	Modelling a century of soil redistribution processes and carbon delivery from small watersheds using a multi-class sediment transport model. Earth Surface Dynamics, 2017, 5, 113-124.	1.0	14
531	Site-Specific Erodibility in Claypan Soils: Dependence on Subsoil Characteristics. Applied Engineering in Agriculture, 2017, 33, 705-718.	0.3	4
533	Decision support for the selection of reference sites using & amp; lt; sup & amp; lt; sup & amp; lt; sup & amp; lt; l 2017, 3, 113-122.	2.2	6
534	Carbon–nitrogen interactions in idealized simulations with JSBACH (version 3.10). Geoscientific Model Development, 2017, 10, 2009-2030.	1.3	47
535	Initial Soil Organic Matter Content Influences the Storage and Turnover of Litter, Root and Soil Carbon in Grasslands. Ecosystems, 2018, 21, 1377-1389.	1.6	21
536	Carbon footprint and fossil energy consumption of bio-ethanol fuel production from Arundo donax L. crops on marginal lands of Southern Italy. Energy, 2018, 150, 222-235.	4.5	15
538	Impacts of soil carbon sequestration on life cycle greenhouse gas emissions in Midwestern USA beef finishing systems. Agricultural Systems, 2018, 162, 249-258.	3.2	163
539	Development of an intelligent system based on ANFIS model for predicting soil erosion. Environmental Earth Sciences, 2018, 77, 1.	1.3	13

#	Article	IF	CITATIONS
540	The C-biogeochemistry of a Midwestern USA agricultural impoundment in context: Lake Decatur in the intensively managed landscape critical zone observatory. Biogeochemistry, 2018, 138, 171-195.	1.7	11
541	Aerosol pollution, including eroded soils, intensifies cloud growth, precipitation, and soil erosion: A review. Journal of Cleaner Production, 2018, 189, 135-144.	4.6	17
542	Quantification of regulating ecosystem services provided by weeds in annual cropping systems using a systematic map approach. Weed Research, 2018, 58, 151-164.	0.8	72
543	Land-use change affects stocks and stoichiometric ratios of soil carbon, nitrogen, and phosphorus in a typical agro-pastoral region of northwest China. Journal of Soils and Sediments, 2018, 18, 3167-3176.	1.5	26
544	Simulating eroded soil organic carbon with the SWAT-C model. Environmental Modelling and Software, 2018, 102, 39-48.	1.9	34
545	Smart Fertilizers as a Strategy for Sustainable Agriculture. Advances in Agronomy, 2018, 147, 119-157.	2.4	158
546	Digging deeper: A holistic perspective of factors affecting soil organic carbon sequestration in agroecosystems. Global Change Biology, 2018, 24, 3285-3301.	4.2	423
547	Impacts of simulated erosion and soil amendments on greenhouse gas fluxes and maize yield in Miamian soil of central Ohio. Scientific Reports, 2018, 8, 520.	1.6	12
548	A systematic assessment of watershed-scale nonpoint source pollution during rainfall-runoff events in the Miyun Reservoir watershed. Environmental Science and Pollution Research, 2018, 25, 6514-6531.	2.7	27
549	Tillage erosion and its effect on spatial variations of soil organic carbon in the black soil region of China. Soil and Tillage Research, 2018, 178, 72-81.	2.6	56
550	Dynamics of soil carbon and nitrogen stocks after afforestation in arid and semi-arid regions: A meta-analysis. Science of the Total Environment, 2018, 618, 1658-1664.	3.9	84
551	Soil respiration versus vegetation degradation under the influence of three grazing regimes in the <scp>Songnen Plain</scp> . Land Degradation and Development, 2018, 29, 2403-2416.	1.8	12
552	Microbial CO2 assimilation is not limited by the decrease in autotrophic bacterial abundance and diversity in eroded watershed. Biology and Fertility of Soils, 2018, 54, 595-605.	2.3	30
553	Drivers of organic carbon allocation in a temperate slope-floodplain catena under agricultural use. Geoderma, 2018, 327, 63-72.	2.3	19
554	Differential responses of soil CO2 and N2O fluxes to experimental warming. Agricultural and Forest Meteorology, 2018, 259, 11-22.	1.9	30
555	Soil and onsite nutrient conservation potential of aromatic grasses at field scale under a shifting cultivated, degraded catchment in Eastern Ghats, India. International Journal of Sediment Research, 2018, 33, 340-350.	1.8	12
556	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. Annual Review of Earth and Planetary Sciences, 2018, 46, 521-548.	4.6	184
557	Soil organic carbon within the vadose zone of a floodplain. Environmental Earth Sciences, 2018, 77, 1.	1.3	5

#	Article	IF	CITATIONS
558	Assessment of soil erosion in a tropical mountain river basin of the southern Western Ghats, India using RUSLE and GIS. Geoscience Frontiers, 2018, 9, 893-906.	4.3	137
559	Agricultural land use doubled sediment loads in western China's rivers. Anthropocene, 2018, 21, 95-106.	1.6	19
560	Apportioning source of erosion-induced organic matter in the hilly-gully region of loess plateau in China: Insight from lipid biomarker and isotopic signature analysis. Science of the Total Environment, 2018, 621, 1310-1319.	3.9	25
561	Erodibility of waste (Loess) soils from construction sites under water and wind erosional forces. Science of the Total Environment, 2018, 616-617, 1524-1532.	3.9	29
562	Erosion proxies in an exotic tree plantation question the appropriate land use in Central Chile. Catena, 2018, 161, 77-84.	2,2	22
563	Improving sediment load estimations: The case of the Yarlung Zangbo River (the upper Brahmaputra,) Tj ETQq $1\ 1$	0,784314 2.2	1 rgBT /Over
564	Topographic metric predictions of soil redistribution and organic carbon in lowa cropland fields. Catena, 2018, 160, 222-232.	2.2	57
565	Evaluating carbon sequestration for conservation agriculture and tillage systems in Cambodia using the EPIC model. Agriculture, Ecosystems and Environment, 2018, 251, 37-47.	2.5	24
566	Thermal stability of organic carbon in soil aggregates as affected by soil erosion and deposition. Soil and Tillage Research, 2018, 175, 82-90.	2.6	89
567	Labile carbon limits in-stream mineralization in a subtropical headwater catchment affected by gully and channel erosion. Journal of Soils and Sediments, 2018, 18, 648-659.	1.5	4
568	A step towards a holistic assessment of soil degradation in Europe: Coupling on-site erosion with sediment transfer and carbon fluxes. Environmental Research, 2018, 161, 291-298.	3.7	116
569	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. Limnology and Oceanography Letters, 2018, 3, 132-142.	1.6	368
570	Estimating carbon stocks in young moraine soils affected by erosion. Catena, 2018, 162, 51-60.	2.2	10
571	Degradation of Tibetan grasslands: Consequences for carbon and nutrient cycles. Agriculture, Ecosystems and Environment, 2018, 252, 93-104.	2.5	227
572	Soil carbon and nitrogen sources and redistribution as affected by erosion and deposition processes: A case study in a loess hilly-gully catchment, China. Agriculture, Ecosystems and Environment, 2018, 253, 11-22.	2.5	80
573	Main Issues for Preserving Mediterranean Soil Resources From Water Erosion Under Global Change. Land Degradation and Development, 2018, 29, 789-799.	1.8	36
574	Interdisciplinary Geoâ€ecological Research across Time Scales in the Northeast German Lowland Observatory (TERENOâ€NE). Vadose Zone Journal, 2018, 17, 1-25.	1.3	29
575	Challenges of soil carbon sequestration in the NENA region. Soil, 2018, 4, 225-235.	2,2	11

#	Article	IF	CITATIONS
576	Modeling Sediment Yield in Land Surface and Earth System Models: Model Comparison, Development, and Evaluation. Journal of Advances in Modeling Earth Systems, 2018, 10, 2192-2213.	1.3	30
577	A Summary of the Impact of Land Degradation on Soil Carbon Sequestration. IOP Conference Series: Materials Science and Engineering, 0, 394, 052028.	0.3	2
578	Riverine particulate C and N generated at the permafrost thaw front: case study of western Siberian rivers across a 1700 km latitudinal transect. Biogeosciences, 2018, 15, 6867-6884.	1.3	17
579	Soil erosion is unlikely to drive a future carbon sink in Europe. Science Advances, 2018, 4, eaau 3523.	4.7	67
580	Geospatial assessment of soil erosion intensity and sediment yield: a case study of Potohar Region, Pakistan. Environmental Earth Sciences, 2018, 77, 1.	1.3	30
581	Changes of cropland area in the river basins of the European part of Russia for the period 1985-2015 years, as a factor of soil erosion dynamics. IOP Conference Series: Earth and Environmental Science, 2018, 107, 012010.	0.2	5
582	Soil Carbon Loss by Wind Erosion of Summer Fallow Fields in Washington's Dryland Wheat Region. Soil Science Society of America Journal, 2018, 82, 1551-1558.	1.2	11
583	Labile organic matter plays a more important role than the autotrophic bacterial community in regulating microbial CO ₂ fixation in an eroded watershed. Land Degradation and Development, 2018, 29, 4415-4423.	1.8	10
584	Multi-Temporal Satellite Images on Topsoil Attribute Quantification and the Relationship with Soil Classes and Geology. Remote Sensing, 2018, 10, 1571.	1.8	63
585	Assessment of soil erosion vulnerability in the heavily populated and ecologically fragile communities in Motozintla de Mendoza, Chiapas, Mexico. Solid Earth, 2018, 9, 745-757.	1.2	6
586	Spatial Gradients of Ecosystem Health Indicators across a Humanâ€Impacted Semiarid Savanna. Journal of Environmental Quality, 2018, 47, 746-757.	1.0	7
587	Vegetation restoration changes topsoil biophysical regulations of carbon fluxes in an eroding soil landscape. Land Degradation and Development, 2018, 29, 4061-4070.	1.8	11
588	Carbon Dynamics in Soil-Plant-Environment System on Climate Change Perspective: Special Reference to Rice., 2018,, 3-23.		2
589	Using ¹³⁷ Cs and ²¹⁰ Pb _{ex to quantify the effects of land use on soil organic carbon and total nitrogen in the subtropical Dianchi watershed, southwest China. International Journal of Environment and Pollution, 2018, 63, 69.}	0.2	0
590	Soil organic carbon stock under different land use types in Kersa Sub Watershed, Eastern Ethiopia. African Journal of Agricultural Research Vol Pp, 2018, 13, 1248-1256.	0.2	15
591	SOC Stock Changes and Greenhouse Gas Emissions Following Tropical Land Use Conversions to Plantation Crops on Mineral Soils, with a Special Focus on Oil Palm and Rubber Plantations. Agriculture (Switzerland), 2018, 8, 133.	1.4	19
592	Remote Sensing and GIS in Mapping and Monitoring of Land Degradation. Geotechnologies and the Environment, 2018, , 401-424.	0.3	9
593	The ecology of peace: preparing Colombia for new political and planetary climates. Frontiers in Ecology and the Environment, 2018, 16, 525-531.	1.9	41

#	Article	IF	CITATIONS
594	Fine sediment and particulate organic matter: A review and case study on ridge-to-reef transport, transformations, fates, and impacts on marine ecosystems. Marine Pollution Bulletin, 2018, 135, 1205-1220.	2.3	102
595	Multilevel soil degradation analysis focusing on soil erosion as a basis for agrarian landscape optimization. Soil and Water Research, 2018, 13, 119-128.	0.7	4
597	Spatial distribution of LAI and its relationship with throughfall kinetic energy of common tree species in a Chinese subtropical forest plantation. Forest Ecology and Management, 2018, 425, 189-195.	1.4	10
598	Impact of Water-Induced Soil Erosion on the Terrestrial Transport and Atmospheric Emission of Mercury in China. Environmental Science & Emp; Technology, 2018, 52, 6945-6956.	4.6	36
599	The spatial distribution of critical wind erosion centers according to the dust event in Hormozgan province (south of Iran). Catena, 2018, 167, 340-352.	2.2	16
600	Soil Carbon Stock. , 2018, , 39-136.		7
601	Carbon Sequestration in Cropland Soils. , 2018, , 137-173.		0
602	The mineralization and sequestration of organic carbon in relation to agricultural soil erosion. Geoderma, 2018, 329, 73-81.	2.3	81
603	Traditional manual tillage significantly affects soil redistribution and CO2 emission in agricultural plots on the Loess Plateau. Soil Research, 2018, 56, 171.	0.6	5
605	Modelling of sand/dust emission in Northern China from 2001 to 2014. Geoderma, 2018, 330, 162-176.	2.3	37
606	Vertical Distributions of Soil Organic Carbon and its Influencing Factors Under Different Land Use Types in the Desert Riparian Zone of Downstream Heihe River Basin, China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7741-7753.	1.2	16
607	Organic Carbon Processing During Transport Through Boreal Inland Waters: Particles as Important Sites. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2412-2428.	1.3	48
608	Dynamics of soil organic carbon following land-use change: insights from stable C-isotope analysis in black soil of Northeast China. Acta Geochimica, 2018, 37, 746-757.	0.7	6
610	Wind erosion enhanced by land use changes significantly reduces ecosystem carbon storage and carbon sequestration potentials in semiarid grasslands. Land Degradation and Development, 2018, 29, 3469-3478.	1.8	34
611	Pyrogenic Carbon Erosion: Implications for Stock and Persistence of Pyrogenic Carbon in Soil. Frontiers in Earth Science, 2018, 6, .	0.8	58
612	Global soil organic carbon removal by water erosion under climate change and land use change during AD 1850–2005. Biogeosciences, 2018, 15, 4459-4480.	1.3	68
613	Spatial pattern of soil organic carbon and total nitrogen, and analysis of related factors in an agro-pastoral zone in Northern China. PLoS ONE, 2018, 13, e0197451.	1.1	9
614	Agroforestry Potential for Higher Productivity from Degraded Ravine Watersheds. , 2018, , 335-360.		4

#	Article	IF	Citations
615	Aggregate stability and associated organic carbon and nitrogen as affected by soil erosion and vegetation rehabilitation on the Loess Plateau. Catena, 2018, 167, 257-265.	2.2	88
616	Ravines: Formation, Extent, Classification, Evolution and Measures of Prevention and Control., 2018,, 19-67.		6
617	Erosion-induced carbon losses and CO2 emissions from Loess and Black soil in China. Catena, 2018, 171, 533-540.	2.2	29
618	Impacts of climate, tephra and land use upon Holocene landscape stability in Northwest Iceland. Geomorphology, 2018, 322, 117-131.	1.1	11
619	Agricultural Land Use and the Global Carbon Cycle. , 2018, , 1-37.		4
620	Indicators of phytoplankton response to particulate nutrient bioavailability in fresh and marine waters of the Great Barrier Reef. Science of the Total Environment, 2018, 636, 1416-1427.	3.9	32
621	Irrigation induced surface carbon flow in a Vertisol under furrow irrigated cotton cropping systems. Soil and Tillage Research, 2018, 183, 8-18.	2.6	21
622	Projecting Soil C Under Future Climate and Land-Use Scenarios (Modeling). , 2018, , 281-309.		7
623	A Review of Tillage Practices and Their Potential to Impact the Soil Carbon Dynamics. Advances in Agronomy, 2018, , 185-230.	2.4	60
624	Soil Carbon in the World: Ecosystem Services Linked to Soil Carbon in Forest and Agricultural Soils. , 2018, , 1-38.		6
625	Soil Erosion and C Losses: Strategies for Building Soil Carbon. , 2018, , 215-238.		8
626	The Future of Soil Carbon. , 2018, , 239-267.		14
627	Imaging Spectrometry of Inland and Coastal Waters: State of the Art, Achievements and Perspectives. Surveys in Geophysics, 2019, 40, 401-429.	2.1	88
628	Characterizing dissolved organic matter in eroded sediments from a loess hilly catchment using fluorescence EEM-PARAFAC and UV–Visible absorption: Insights from source identification and carbon cycling. Geoderma, 2019, 334, 37-48.	2.3	97
629	The impact of crop farmers' decisions on future land use, land cover changes in Kintampo North Municipality of Ghana. International Journal of Climate Change Strategies and Management, 2019, 11, 72-87.	1.5	16
630	Effects of sheet and rill erosion on soil aggregates and organic carbon losses for a Mollisol hillslope under rainfall simulation. Journal of Soils and Sediments, 2019, 19, 467-477.	1.5	23
631	Out of the Soil. , 2019, , 138-174.		6
632	Carbon storage potential and seasonal dynamics of phytolith from different vegetation types in a subtropical region, China. Environmental Science and Pollution Research, 2019, 26, 29834-29844.	2.7	9

#	Article	IF	Citations
633	Soil organic carbon distribution in relation to terrain & amp; land useâ€"a case study in a small watershed of Danjiangkou reservoir area, China. Global Ecology and Conservation, 2019, 20, e00731.	1.0	7
634	Predicting the Spatial Distribution and Severity of Soil Erosion in the Global Tropics using Satellite Remote Sensing. Remote Sensing, 2019, 11, 1800.	1.8	19
635	Soil erosion affects variations of soil organic carbon and soil respiration along a slope in Northeast China. Ecological Processes, 2019, 8, .	1.6	36
636	Erosion Induced Heterogeneity of Soil Organic Matter in Catenae from the Baltic Sea Catchment. Soil Systems, 2019, 3, 42.	1.0	5
637	Quantitative Assessment of Soil Erosion Based on CSLE and the 2010 National Soil Erosion Survey at Regional Scale in Yunnan Province of China. Sustainability, 2019, 11, 3252.	1.6	20
638	Soil particle size distribution and induced soil carbon transport by ephemeral gully erosion in Mediterranean mountain arable land. Earth Surface Processes and Landforms, 2019, 44, 2741-2751.	1.2	15
639	Fingerprinting the sources of water-mobilized sediment threatening agricultural and water resource sustainability: Progress, challenges and prospects in China. Science China Earth Sciences, 2019, 62, 2017-2030.	2.3	22
640	Patterns of legacy sediment deposits in a small South Carolina Piedmont catchment, USA. Geomorphology, 2019, 343, 1-14.	1.1	17
641	Check dams and storages beyond trapping sediment, carbon sequestration for climate change mitigation, Northwest Ethiopia. Geoenvironmental Disasters, 2019, 6, .	1.8	10
642	Enhanced particulate Hg export at the permafrost boundary, western Siberia. Environmental Pollution, 2019, 254, 113083.	3.7	25
644	Identifying Human-Induced Spatial Differences of Soil Erosion Change in a Hilly Red Soil Region of Southern China. Sustainability, 2019, 11, 3103.	1.6	5
645	Impacts of forest restoration on soil erosion in the Three Gorges Reservoir area, China. Science of the Total Environment, 2019, 697, 134164.	3.9	75
646	Modelling the impacts of climate and land use changes on soil water erosion: Model applications, limitations and future challenges. Journal of Environmental Management, 2019, 250, 109403.	3.8	76
647	Integrating Soil Compaction Impacts of Tramlines Into Soil Erosion Modelling: A Field-Scale Approach. Soil Systems, 2019, 3, 51.	1.0	14
648	Regenerating Agricultural Landscapes with Perennial Groundcover for Intensive Crop Production. Agronomy, 2019, 9, 458.	1.3	34
649	Soil organic carbon storage following conversion from cropland to grassland on sites differing in soil drainage and erosion history. Science of the Total Environment, 2019, 661, 481-491.	3.9	9
650	Estimates and determinants of stocks of deep soil carbon in Gabon, Central Africa. Geoderma, 2019, 341, 236-248.	2.3	29
651	Pyrogenic carbon erosion after the Rim Fire, Yosemite National Park: The Role of Burn Severity and Slope. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 432-449.	1.3	25

#	Article	IF	CITATIONS
652	The transport of aggregates associated with soil organic carbon under the rainâ€induced overland flow on the Chinese Loess Plateau. Earth Surface Processes and Landforms, 2019, 44, 1895-1909.	1.2	19
653	Distribution and isotopic composition of sedimentary black carbon in a subtropical estuarine-coastal region of the western Taiwan Strait: Implications for tracing anthropogenic inputs. Science of the Total Environment, 2019, 684, 509-518.	3.9	10
654	Assessing the Impact of Terraces and Vegetation on Runoff and Sediment Routing Using the Time-Area Method in the Chinese Loess Plateau. Water (Switzerland), 2019, 11, 803.	1.2	17
655	Carbon Cycling in Global Drylands. Current Climate Change Reports, 2019, 5, 221-232.	2.8	62
656	Impact of geomorphic disturbance on spatial variability of soil CO ₂ flux within a depositional landform. Land Degradation and Development, 2019, 30, 1699-1710.	1.8	3
657	Applicability of biochar for limiting interrill erosion and organic carbon export of sloping cropland in a semi-arid area of China. Agriculture, Ecosystems and Environment, 2019, 280, 68-76.	2.5	31
658	Assessment of soil erosion risk in a typical Mediterranean environment using a high resolution RUSLE approach (Portofino promontory, NW-Italy). Journal of Maps, 2019, 15, 356-362.	1.0	23
659	Integrated Use of Satellite Remote Sensing, Artificial Neural Networks, Field Spectroscopy, and GIS in Estimating Crucial Soil Parameters in Terms of Soil Erosion. Remote Sensing, 2019, 11, 1106.	1.8	26
660	137Cs-Based Variation of Soil Erosion in Vertical Zones of a Small Catchment in Southwestern China. International Journal of Environmental Research and Public Health, 2019, 16, 1371.	1.2	6
661	Use of caesium-137 re-sampling and excess lead-210 techniques to assess changes in soil redistribution rates within an agricultural field in Nakhla watershed. Journal of African Earth Sciences, 2019, 156, 158-167.	0.9	10
662	Redistribution of Soil Organic Carbon Induced by Soil Erosion in the Nine River Basins of China. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1018-1031.	1.3	19
663	Land inundation and cropping intensity influences on organic carbon in the agricultural soils of Bangladesh. Catena, 2019, 178, 11-19.	2.2	15
664	Plant Feedback Aggravates Soil Organic Carbon Loss Associated With Wind Erosion in Northwest China. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 825-839.	1.3	17
665	Developing a two-step algorithm to estimate the leaf area index of forests with complex structures based on CHRIS/PROBA data. Forest Ecology and Management, 2019, 441, 57-70.	1.4	7
666	Possibilities to improve soil aggregate stability using biochars derived from various biomasses through slow pyrolysis, hydrothermal carbonization, or torrefaction. Geoderma, 2019, 344, 40-49.	2.3	57
667	Impacts of anthropogenic land use/cover changes on soil wind erosion in China. Science of the Total Environment, 2019, 668, 204-215.	3.9	120
668	Soil quality decrease over 13Âyears of agricultural production. Nutrient Cycling in Agroecosystems, 2019, 114, 45-55.	1.1	23
669	The role of dissolved organic matter in soil organic carbon stability under water erosion. Ecological Indicators, 2019, 102, 724-733.	2.6	41

#	Article	IF	CITATIONS
670	Soil organic carbon and soil erosion – Understanding change at the large catchment scale. Geoderma, 2019, 343, 60-71.	2.3	39
671	Differences in soil organic carbon and soil erosion for native pasture and minimum till agricultural management systems. Science of the Total Environment, 2019, 666, 618-630.	3.9	15
672	Estimation of soil organic carbon, nitrogen, and phosphorus losses induced by wind erosion in Northern China. Land Degradation and Development, 2019, 30, 1006-1022.	1.8	32
673	Evaluating Differences of Erosion Patterns in Natural and Anthropogenic Basins through Scenario Testing: A Case Study of the Claise, France and Nahr Ibrahim, Lebanon. , 2019, , .		0
674	Reduction in soil organic matter loss caused by water erosion in inter-rows of hop gardens. Soil and Water Research, 2019, 14, 172-182.	0.7	19
675	Evaluating the effects of soil erosion and productivity decline on soil carbon dynamics using a model-based approach. Soil, 2019, 5, 367-382.	2.2	12
676	The Thresholds of Sediment-Generating Rainfall from Hillslope to Watershed Scales in the Loess Plateau, China. Water (Switzerland), 2019, 11, 2392.	1.2	4
677	Increased Lateral Transfer of Soil Organic Carbon Induced by Climate and Vegetation Changes Over the Southeast Coastal Region of China. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3902-3915.	1.3	2
678	To whom the burden of soil degradation and management concerns. Advances in Chemical Pollution, Environmental Management and Protection, 2019, , 1-22.	0.3	4
679	Disequilibrium of terrestrial ecosystem CO ₂ budget caused by disturbance-induced emissions and non-CO ₂ carbon export flows: a global model assessment. Earth System Dynamics, 2019, 10, 685-709.	2.7	22
680	Comparison of catchment scale 3D and 2.5D modelling of soil organic carbon stocks in Jiangxi Province, PR China. PLoS ONE, 2019, 14, e0220881.	1.1	20
682	Long-term agricultural management and erosion change soil organic matter chemistry and association with minerals. Science of the Total Environment, 2019, 648, 1500-1510.	3.9	16
683	The nutrient and carbon losses of soils from different land cover systems under simulated rainfall conditions. Catena, 2019, 172, 203-211.	2.2	11
684	Minimising soil organic carbon erosion by wind is critical for land degradation neutrality. Environmental Science and Policy, 2019, 93, 43-52.	2.4	91
685	The immediate effects of downslope cornstalk mulch (DCM) on sediment yield, runoff and runoff-associated dissolved carbon loss in a representative hillslope, Southwestern China. Catena, 2019, 175, 9-17.	2.2	12
686	Modeling global anthropogenic erosion in the Holocene. Holocene, 2019, 29, 367-379.	0.9	3
687	Radioisotope and stable isotope ratios (Î" ¹⁴ C, Î ¹⁵ N) suggest larval lamprey growth is dependent on both fresh and aged organic matter in streams. Ecology of Freshwater Fish, 2019, 28, 365-375.	0.7	11
688	Chemical characterization and source identification of organic matter in eroded sediments: Role of land use and erosion intensity. Chemical Geology, 2019, 506, 97-112.	1.4	39

#	Article	IF	CITATIONS
689	The role of check dams in retaining organic carbon and nutrients. A study case in the Sierra de \tilde{A}_{v} ila mountain range (Central Spain). Science of the Total Environment, 2019, 657, 1030-1040.	3.9	26
690	Dissolved carbon fluxes in a vegetation restoration area of an eroding landscape. Water Research, 2019, 152, 106-116.	5.3	7
691	Distribution of soil organic carbon impacted by land-use changes in a hilly watershed of the Loess Plateau, China. Science of the Total Environment, 2019, 652, 505-512.	3.9	54
692	Soil and water conservation measures reduce soil and water losses in China but not down to background levels: Evidence from erosion plot data. Geoderma, 2019, 337, 729-741.	2.3	83
693	Weighted linear combination method versus grid based overlay operation method – A study for potential soil erosion susceptibility analysis of Malda district (West Bengal) in India. Egyptian Journal of Remote Sensing and Space Science, 2019, 22, 95-115.	1,1	15
694	In situ chemical stabilization of trace element-contaminated soil $\hat{a}\in$ Field demonstrations and barriers to transition from laboratory to the field $\hat{a}\in$ A review. Applied Geochemistry, 2019, 100, 335-351.	1.4	85
695	A soil texture manipulation doubled the priming effect following crop straw addition as estimated by two models. Soil and Tillage Research, 2019, 186, 11-22.	2.6	8
696	Effects of vegetation and slope aspect on soil nitrogen mineralization during the growing season in sloping lands of the Loess Plateau. Catena, 2019, 172, 753-763.	2.2	32
697	Rainfall erosivity and sediment load over the Poyang Lake Basin under variable climate and human activities since the 1960s. Theoretical and Applied Climatology, 2019, 136, 15-30.	1.3	12
698	Accelerated Soil erosion as a source of atmospheric CO2. Soil and Tillage Research, 2019, 188, 35-40.	2.6	124
699	Polish River Basins and Lakes – Part I. Handbook of Environmental Chemistry, 2020, , .	0.2	6
700	A review of environmental droughts: Increased risk under global warming?. Earth-Science Reviews, 2020, 201, 102953.	4.0	283
701	Soil microbiomes and climate change. Nature Reviews Microbiology, 2020, 18, 35-46.	13.6	725
702	Characterising the biophysical, economic and social impacts of soil carbon sequestration as a greenhouse gas removal technology. Global Change Biology, 2020, 26, 1085-1108.	4.2	65
703	Divergent responses of soil bacterial communities in erosion-deposition plots on the Loess Plateau. Geoderma, 2020, 358, 113995.	2.3	40
704	Determining the optimal vegetation coverage for controlling soil erosion in Cynodon dactylon grassland in North China. Journal of Cleaner Production, 2020, 244, 118771.	4.6	48
705	Managing soils for resolving the conflict between agriculture and nature: The hard talk. European Journal of Soil Science, 2020, 71, 1-9.	1.8	28
706	Soil and nutrients losses under different crop covers in vertisols of Central India. Journal of Soils and Sediments, 2020, 20, 609-620.	1.5	20

#	ARTICLE	IF	CITATIONS
707	Quantitative assessment of drivers of sediment load reduction in the Yangtze River basin, China. Journal of Hydrology, 2020, 580, 124242.	2.3	42
708	Midâ€ŧerm effects on ecosystem services of quarry restoration with Technosols under Mediterranean conditions: 10â€year impacts on soil organic carbon and vegetation development. Restoration Ecology, 2020, 28, 960-970.	1.4	15
709	FAO calls for actions to reduce global soil erosion. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 789-790.	1.0	20
710	The magnitude of erosionâ€induced carbon (C) flux and Câ€sequestration potential of eroded lands in India. European Journal of Soil Science, 2020, 71, 151-168.	1.8	22
711	Returning Degraded Soils to Productivity: an Examination of the Potential of Coarse Woody Amendments for Improved Water Retention and Nutrient Holding Capacity. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	11
712	A substantial role of soil erosion in the land carbon sink and its future changes. Global Change Biology, 2020, 26, 2642-2655.	4.2	30
713	Assessing passive rehabilitation for carbon gains in rain-filled agricultural wetlands. Journal of Environmental Management, 2020, 256, 109971 .	3.8	5
714	Responses of soil aggregate stability, erodibility and nutrient enrichment to simulated extreme heavy rainfall. Science of the Total Environment, 2020, 709, 136150.	3.9	45
715	State and trends of hillslope erosion across New South Wales, Australia. Catena, 2020, 186, 104361.	2.2	13
716	The stability and fate of Soil Organic Carbon during the transport phase of soil erosion. Earth-Science Reviews, 2020, 201, 103067.	4.0	40
717	Assessment of soil erosion risk and its response to climate change in the mid-Yarlung Tsangpo River region. Environmental Science and Pollution Research, 2020, 27, 607-621.	2.7	33
718	Pastoralism increased vulnerability of a subalpine catchment to flood hazard through changing soil properties. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 538, 109462.	1.0	19
719	Prediction of soil wind erodibility using a hybrid Genetic algorithm – Artificial neural network method. Catena, 2020, 187, 104315.	2.2	22
720	Soil organic carbon sequestration and its stability after vegetation restoration in the Loess Hilly Region, China. Land Degradation and Development, 2020, 31, 568-580.	1.8	22
721	Impact of topsoil removal on soil CO2 emission and temperature sensitivity in Chinese Loess Plateau. Science of the Total Environment, 2020, 708, 135102.	3.9	20
722	Aligning science and policy of regenerative agriculture. Soil Science Society of America Journal, 2020, 84, 1808-1820.	1.2	25
723	Effects of human activities on soil organic carbon redistribution at an agricultural watershed scale on the Chinese Loess Plateau. Agriculture, Ecosystems and Environment, 2020, 303, 107112.	2.5	28
724	Impacts of wind erosion and seasonal changes on soil carbon dioxide emission in southwestern Iran. Journal of Arid Land, 2020, 12, 690-700.	0.9	8

#	Article	IF	CITATIONS
725	Quantifying wind erosion at landscape scale in a temperate grassland: Nonignorable influence of topography. Geomorphology, 2020, 370, 107401.	1.1	16
726	Managing Grazing to Restore Soil Health, Ecosystem Function, and Ecosystem Services. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	80
727	Soil redistribution reduces integrated C sequestration in soil-plant ecosystems: Evidence from a five-year topsoil removal and addition experiment. Geoderma, 2020, 377, 114593.	2.3	7
728	Using catchment characteristics to model seasonality of dissolved organic carbon fluxes in semi-arid mountainous headwaters. Environmental Monitoring and Assessment, 2020, 192, 674.	1.3	0
729	Assessment of land management practices impact on soil and water resources using swat model: a case of bara micro-watershed of ken catchment, Madhya pradesh, India. Sustainable Water Resources Management, 2020, 6, 1.	1.0	1
730	Alluvial landform and the occurrence of paleosols in a humid-subtropical climate have an effect on long-term soil organic carbon storage. Geoderma, 2020, 371, 114388.	2.3	4
731	Particulate organic carbon dynamics with sediment transport in the upper Yangtze River. Water Research, 2020, 184, 116193.	5. 3	24
732	Magnitude of soil erosion in small catchments with different land use patterns under an extreme rainstorm event over the Northern Loess Plateau, China. Catena, 2020, 195, 104780.	2.2	30
733	Current soil erosion assessment in the Loess Plateau of China: A mini-review. Journal of Cleaner Production, 2020, 276, 123091.	4.6	41
734	Soil erosion and sediment dynamics in the Anthropocene: a review of human impacts during a period of rapid global environmental change. Journal of Soils and Sediments, 2020, 20, 4115-4143.	1.5	77
735	Temporal and Spatial Heterogeneity of Soil Erosion and a Quantitative Analysis of its Determinants in the Three Gorges Reservoir Area, China. International Journal of Environmental Research and Public Health, 2020, 17, 8486.	1.2	13
736	Landuse Changes and Variability in Properties and Erodibility Indices of Soil of Imo State Polytechnic, Owerri, Nigeria., 2020, , .		0
737	Effect of Vegetation Removal on Soil Erosion and Bank Stability in Agricultural Drainage Ditches. Land, 2020, 9, 441.	1.2	4
738	Isoscape Analysis for Elucidating Relationships between Soil Redistribution and Soil Carbon Dynamics., 2020, , .		0
739	Enhancing Soil Properties and Maize Yield through Organic and Inorganic Nitrogen and Diazotrophic Bacteria. , 0, , .		6
740	Sediment deposition changes the relationship between soil organic and inorganic carbon: Evidence from the Chinese Loess Plateau. Agriculture, Ecosystems and Environment, 2020, 302, 107076.	2.5	22
741	Effect of aggregate breakdown on the unevenly enriched organic carbon process in sediments under a rain-induced overland flow. Soil and Tillage Research, 2020, 204, 104752.	2.6	13
742	A review of the magnitude and response times for sediment yield reductions following the rehabilitation of gullied landscapes. Earth Surface Processes and Landforms, 2020, 45, 3250-3279.	1.2	39

#	Article	IF	CITATIONS
743	Managing Soils for Recovering from the COVID-19 Pandemic. Soil Systems, 2020, 4, 46.	1.0	51
744	Application of Unmanned Aerial Vehicle (UAV)-Acquired Topography for Quantifying Typhoon-Driven Landslide Volume and Its Potential Topographic Impact on Rivers in Mountainous Catchments. Applied Sciences (Switzerland), 2020, 10, 6102.	1.3	7
745	Global phosphorus shortage will be aggravated by soil erosion. Nature Communications, 2020, 11, 4546.	5.8	365
746	Effects of Revegetation on Soil Physical and Chemical Properties in Solar Photovoltaic Infrastructure. Frontiers in Environmental Science, 2020, 8, .	1.5	50
747	Soil thickness and affecting factors in forestland in a karst basin in Southwest China. Tropical Ecology, 2020, 61, 267-277.	0.6	11
748	Dustâ€Drought Nexus in the Southwestern United States: A Proxyâ€Model Comparison Approach. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA004046.	1.3	5
749	Soil Organic Carbon Sequestration and Active Carbon Component Changes Following Different Vegetation Restoration Ages on Severely Eroded Red Soils in Subtropical China. Forests, 2020, 11, 1304.	0.9	11
750	A Review on Assessing and Mapping Soil Erosion Hazard Using Geo-Informatics Technology for Farming System Management. Remote Sensing, 2020, 12, 4063.	1.8	19
751	Effect of W-OH, a hydrophilic polyurethane polymer, in controlling erosion of two typical erodible soils in southern China. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	5
752	Assessing soil quality and soil erosion hazards in the Moneragala District, Sri Lanka. SN Applied Sciences, 2020, 2, 1.	1.5	8
753	Simulating Erosionâ€Induced Soil and Carbon Delivery From Uplands to Rivers in a Global Land Surface Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002121.	1.3	10
754	Sediment Outflow under Simulated Rainfall Conditions with Varying Geotechnical Properties. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	5
755	Distinct and combined impacts of climate and land use scenarios on water availability and sediment loads for a water supply reservoir in northern Morocco. International Soil and Water Conservation Research, 2020, 8, 141-153.	3.0	36
756	The isotopes and biomarker approaches for identifying eroded organic matter sources in sediments: A review. Advances in Agronomy, 2020, , 257-303.	2.4	13
757	Food security impacts of the "4 per Thousand―initiative. Geoderma, 2020, 374, 114427.	2.3	36
758	Sustainable soil use and management: An interdisciplinary and systematic approach. Science of the Total Environment, 2020, 729, 138961.	3.9	138
759	Relationships of nitrogen losses, phosphorus losses, and sediment under simulated rainfall conditions. Journal of Soils and Water Conservation, 2020, 75, 231-241.	0.8	13
760	Effects of farmyard manure application on dust emissions from arable soils. Atmospheric Pollution Research, 2020, 11, 1610-1624.	1.8	9

#	Article	IF	CITATIONS
761	Identifying eroded organic matter sources in sediments at fluvial system using multiple tracers on the Loess Plateau of China. Catena, 2020, 193, 104623.	2.2	15
762	Development of an erosion model for Langat River Basin, Malaysia, adapting GIS and RS in RUSLE. Applied Water Science, 2020, 10, 1.	2.8	22
763	Global vulnerability of soil ecosystems to erosion. Landscape Ecology, 2020, 35, 823-842.	1.9	62
764	Impacts of collapsing gullies on the dynamics of soil organic carbon in the red soil hilly region of southeast China. Catena, 2020, 190, 104547.	2.2	10
765	Effects of Temporal Variation in Long-Term Cultivation on Organic Carbon Sequestration in Calcareous Soils: Nile Delta, Egypt. Sustainability, 2020, 12, 4514.	1.6	8
766	Driving factors analysis of agricultural carbon emissions based on extended STIRPAT model of Jiangsu Province, China. Growth and Change, 2020, 51, 1401-1416.	1.3	63
767	Long-term impact of topsoil depth and amendments on carbon and nitrogen budgets in the surface layer of an Alfisol in Central Ohio. Catena, 2020, 194, 104752.	2.2	168
768	Testing Os Staining Approach for Visualizing Soil Organic Matter Patterns in Intact Samples via X-ray Dual-Energy Tomography Scanning. Environmental Science & Environmental Science & 2020, 54, 8980-8989.	4.6	12
769	Soil moisture- and texture-dependent effects of soil deposition on evaporation and carbon emission. Soil and Tillage Research, 2020, 204, 104703.	2.6	6
770	Dynamic analysis of agricultural carbon emissions efficiency in Chinese provinces along the Belt and Road. PLoS ONE, 2020, 15, e0228223.	1.1	21
771	Spatial variation of soil quality indicators as a function of land use and topography. Canadian Journal of Soil Science, 2020, 100, 463-478.	0.5	13
772	Assessing countrywide soil organic carbon stock using hybrid machine learning modelling and legacy soil data in Cameroon. Geoderma, 2020, 367, 114260.	2.3	33
773	Impacts of tillage practices on soil carbon stocks in the US corn-soybean cropping system during 1998 to 2016. Environmental Research Letters, 2020, 15, 014008.	2.2	18
774	Soil texture and plant degradation predictive model (STPDPM) in national parks using artificial neural network (ANN). Modeling Earth Systems and Environment, 2020, 6, 715-729.	1.9	24
775	Assessment of Soil and Water Conservation Practices in the Loess Hilly Region Using a Coupled Rainfall-Runoff-Erosion Model. Sustainability, 2020, 12, 934.	1.6	13
776	Ecological and environmental consequences of ecological projects in the Beijing–Tianjin sand source region. Ecological Indicators, 2020, 112, 106111.	2.6	39
777	Characteristics of magnetic susceptibility on cropland and pastureland slopes in an area influenced by both wind and water erosion and implications for soil redistribution patterns. Soil and Tillage Research, 2020, 199, 104568.	2.6	31
778	Soil organic carbon depletion in global Mollisols regions and restoration by management practices: a review. Journal of Soils and Sediments, 2020, 20, 1173-1181.	1.5	42

#	Article	IF	Citations
779	Lateral mobilization of soil carbon induced by runoff along karstic slopes. Journal of Environmental Management, 2020, 260, 110091.	3.8	10
780	Dissolved organic matter in surface runoff in the Loess Plateau of China: The role of rainfall events and landâ€use. Hydrological Processes, 2020, 34, 1446-1459.	1.1	17
781	Effect of soil and water conservation measures on regime-based suspended sediment load during floods. Sustainable Cities and Society, 2020, 55, 102044.	5.1	11
782	Long-term impacts of topsoil depth and amendments on soil physical and hydrological properties of an Alfisol in central Ohio, USA. Geoderma, 2020, 363, 114164.	2.3	183
783	Effects of Soil Properties on K Factor in the Granite and Limestone Regions of China. International Journal of Environmental Research and Public Health, 2020, 17, 801.	1.2	8
784	Assessing the Importance of Static and Dynamic Causative Factors on Erosion Potentiality Using SWAT, EBF with Uncertainty and Plausibility, Logistic Regression and Novel Ensemble Model in a Sub-tropical Environment. Journal of the Indian Society of Remote Sensing, 2020, 48, 765-789.	1.2	56
785	Soil Erosion and Gaseous Emissions. Applied Sciences (Switzerland), 2020, 10, 2784.	1.3	29
786	Soil Organic Carbon Redistribution and Delivery by Soil Erosion in a Small Catchment of the Yellow River Basin. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005471.	1.3	16
787	Soil conservation practices contribution in trapping sediment and soil organic carbon, Minizr watershed, northwest highlands of Ethiopia. Journal of Soils and Sediments, 2020, 20, 2484-2494.	1.5	16
788	Soil and organic carbon losses from varying land uses: a global metaâ€analysis. Geographical Research, 2020, 58, 167-185.	0.9	16
789	Potential PGPR Properties of Cellulolytic, Nitrogen-Fixing, Phosphate-Solubilizing Bacteria in Rehabilitated Tropical Forest Soil. Microorganisms, 2020, 8, 442.	1.6	56
790	CE-DYNAM (v1): a spatially explicit process-based carbon erosion scheme for use in Earth system models. Geoscientific Model Development, 2020, 13, 1201-1222.	1.3	11
791	Introducing a mechanistic model in digital soil mapping to predict soil organic matter stocks in the Cantabrian region (Spain). European Journal of Soil Science, 2021, 72, 704-719.	1.8	7
792	Soil erosion risk assessment in the Umzintlava catchment (T32E), Eastern Cape, South Africa, using RUSLE and random forest algorithm. Southern African Geographical Journal, 2021, 103, 139-162.	0.9	27
793	Assessing land use–land cover change and soil erosion potential using a combined approach through remote sensing, RUSLE and random forest algorithm. Geocarto International, 2021, 36, 361-375.	1.7	17
794	Cover loss in a seagrass Posidonia oceanica meadow accelerates soil organic matter turnover and alters soil prokaryotic communities. Organic Geochemistry, 2021, 151, 104140.	0.9	17
795	Responses of soil enzyme activity and soil organic carbon stability over time after cropland abandonment in different vegetation zones of the Loess Plateau of China. Catena, 2021, 196, 104812.	2.2	59
796	Hydrological stress regimes regulate effects of binding agents on soil aggregate stability in the riparian zones. Catena, 2021, 196, 104815.	2.2	25

#	Article	IF	CITATIONS
797	Modeling organic matter sources of sediment fluxes in eroding landscapes: Review, key challenges, and new perspectives. Geoderma, 2021, 383, 114704.	2.3	16
798	Elemental composition of wind-blown sediments from contrasting textured soils. Aeolian Research, 2021, 48, 100656.	1.1	4
799	Humic substances reduce the erodibility of soils in mining areas. Journal of Cleaner Production, 2021, 279, 123700.	4.6	8
800	Soil erosion significantly reduces organic carbon and nitrogen mineralization in a simulated experiment. Agriculture, Ecosystems and Environment, 2021, 307, 107232.	2.5	34
801	Vertical distribution of different pools of soil organic carbon under long-term fertilizer experiment on rice-wheat sequence in mollisols of North India. Communications in Soil Science and Plant Analysis, 2021, 52, 235-255.	0.6	6
802	Ploughing/zeroâ€tillage rotation regulates soil physicochemical properties and improves productivity of erodible soil in a residue return farming system. Land Degradation and Development, 2021, 32, 1833-1843.	1.8	7
803	Quantified Benefits of Cultivating Day-Lily (Hemerocallis citrina) Hedgerows over Multiple Years on Sloped Red-Soil Farmland, Southern China. Journal of Soil Science and Plant Nutrition, 2021, 21, 69-80.	1.7	7
804	Deposition- and transport-dominated erosion regime effects on the loss of dissolved and sediment-bound organic carbon: Evaluation in a cultivated soil with laboratory rainfall simulations. Science of the Total Environment, 2021, 750, 141717.	3.9	12
805	Carbon Dynamics Under Conservation Agriculture., 2021,, 321-337.		0
806	Effects of soil erosion on water quality: A case study from Uma Oya Catchment, Sri Lanka. , 2021, , 611-628.		2
807	Prediction of gully erosion susceptibility mapping using novel ensemble machine learning algorithms. Geomatics, Natural Hazards and Risk, 2021, 12, 469-498.	2.0	48
808	Conserving Soil and Reverting Land Degradation Through Conservation Practices with Special Emphasis on Natural Resource Conservation. , 2021, , 477-497.		0
810	Comparative analysis of soil nutrients under different land-use types in the Mun River basin of Northeast Thailand. Journal of Soils and Sediments, 2021, 21, 1136-1150.	1.5	30
811	Climate change and agriculture. , 2021, , 661-686.		9
812	Topsoil carbonâ€selective transport in an eroding soil landscape with vegetation restoration. Land Degradation and Development, 2021, 32, 2061-2073.	1.8	4
814	Use of Halophytes for the Remediation of Metal-Affected Soils in Arid Environments., 2021,, 2395-2422.		0
815	Effects of recombinant synthetic organic and mineral mulches on physicomechanical properties of erodible soils using wind tunnel. Aeolian Research, 2021, 49, 100659.	1.1	2
816	The Spatiotemporal Evolution of Storm Pulse Particulate Organic Carbon in a Low Gradient, Agriculturally Dominated Watershed. Frontiers in Water, 2021, 3, .	1.0	5

#	ARTICLE	IF	Citations
817	Effect of bagasse lignocellulose microfibers on sand stabilization: A laboratory study. Aeolian Research, 2021, 49, 100654.	1.1	4
818	Responses of bacterial communities and their carbon dynamics to subsoil exposure on the Loess Plateau. Science of the Total Environment, 2021, 756, 144146.	3.9	9
819	Geoinformation Technologies in Support of Environmental Hazards Monitoring under Climate Change: An Extensive Review. ISPRS International Journal of Geo-Information, 2021, 10, 94.	1.4	27
820	Sediment Flows in South America Supported by Daily Hydrologicâ€Hydrodynamic Modeling. Water Resources Research, 2021, 57, e2020WR027884.	1.7	21
821	Estimation of Spatial and Seasonal Variability of Soil Erosion in a Cold Arid River Basin in Hindu Kush Mountainous Region Using Remote Sensing. Sustainability, 2021, 13, 1549.	1.6	5
822	Soil losses and runoff variabilities in varieties of surface coverages. IOP Conference Series: Earth and Environmental Science, 2021, 686, 012022.	0.2	0
823	Using the Boruta algorithm and deep learning models for mapping land susceptibility to atmospheric dust emissions in Iran. Aeolian Research, 2021, 50, 100682.	1.1	37
824	Rapid soil organic carbon decomposition in river systems: effects of the aquatic microbial community and hydrodynamical disturbance. Biogeosciences, 2021, 18, 1511-1523.	1.3	3
825	Hydraulic properties affected by litter and stem cover under overland flow. Hydrological Processes, 2021, 35, e14088.	1.1	6
826	Tracking the Deposition and Sources of Soil Carbon and Nitrogen in Highly Eroded Hilly-Gully Watershed in Northeastern China. International Journal of Environmental Research and Public Health, 2021, 18, 2971.	1.2	1
827	Forest Soil Water in Landscape Context. , 0, , .		2
828	Regional difference decomposition and its spatiotemporal dynamic evolution of Chinese agricultural carbon emission: considering carbon sink effect. Environmental Science and Pollution Research, 2021, 28, 38909-38928.	2.7	46
829	The effect of land use change and soil redistribution on soil organic carbon dynamics in karst graben basin of China. Journal of Soils and Sediments, 2021, 21, 2511-2524.	1.5	10
831	Soil Physicochemical Properties and Fertility Evolution of Permanent Gully during Ecological Restoration in Granite Hilly Region of South China. Forests, 2021, 12, 510.	0.9	10
832	Aggravated risk of soil erosion with global warming – A global meta-analysis. Catena, 2021, 200, 105129.	2.2	50
833	Making farming more sustainable by helping farmers to decide rather than telling them what to do. Environmental Research Letters, 2021, 16, 055033.	2.2	7
834	Spatial distribution of fallout and lithogenic radionuclides controlled by soil carbon and water erosion in an agroforestry South-Pyrenean catchment. Geoderma, 2021, 391, 114941.	2.3	13
835	Machine-learning-based prediction and key factor identification of the organic carbon in riverine floodplain soils with intensive agricultural practices. Journal of Soils and Sediments, 2021, 21, 2896-2907.	1.5	4

#	Article	IF	CITATIONS
836	A Processâ€Based Model Integrating Remote Sensing Data for Evaluating Ecosystem Services. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002451.	1.3	15
837	Water-induced erosion potentiality and vulnerability assessment in Kangsabati river basin, eastern India. Environment, Development and Sustainability, 2022, 24, 3518-3557.	2.7	15
838	Anthropogenic erosion-induced small-scale soil heterogeneity in South African rangelands. Anthropocene, 2021, 34, 100290.	1.6	2
839	Land-Use/-Cover Changes and Their Effect on Soil Erosion and River Suspended Sediment Load in Different Landscape Zones of European Russia during 1970–2017. Water (Switzerland), 2021, 13, 1631.	1.2	10
840	Changing climate and land use of 21st century influences soil erosion in India. Gondwana Research, 2021, 94, 164-185.	3.0	66
841	Distribution of soil nutrients and erodibility factor under different soil types in an erosion region of Southeast China. Peerl, 2021, 9, e11630.	0.9	4
842	Optimization modelling to establish false measures implemented with ex-situ plant species to control gully erosion in a monsoon-dominated region with novel in-situ measurements. Journal of Environmental Management, 2021, 287, 112284.	3.8	57
843	Thermal stability of soil organic carbon subjected to water erosion as a function of edaphic factors. International Journal of Sediment Research, 2022, 37, 26-36.	1.8	4
844	Chinese zokor (Myospalax fontanierii) excavating activities lessen runoff but facilitate soil erosion – A simulation experiment. Catena, 2021, 202, 105248.	2.2	12
845	Analysis of the Impact of Soil Compaction on the Environment and Agricultural Economic Losses in Lithuania and Ukraine. Sustainability, 2021, 13, 7762.	1.6	13
846	Seasonal variations in threshold wind speed for saltation depending on soil temperature and vegetation: A case study in the Gobi Desert. Aeolian Research, 2021, 52, 100716.	1.1	5
847	Linking soil redistribution to soil organic carbon using 210Pbex along different complex toposequences in a karst region, southwest China. Catena, 2021, 202, 105239.	2.2	12
848	Effects of soil conservation measures on wind erosion control in China: A synthesis. Science of the Total Environment, 2021, 778, 146308.	3.9	22
849	Relationship and integrated development of low-carbon economy, food safety, and agricultural mechanization. Environmental Science and Pollution Research, 2021, 28, 68679-68689.	2.7	21
850	Does Pastoral Land-Use Legacy Influence Topsoil Carbon and Nitrogen Accrual Rates in Tallgrass Prairie Restorations?. Land, 2021, 10, 735.	1.2	4
851	Characterizing soil losses in China using data of 137Cs inventories and erosion plots. Catena, 2021, 203, 105296.	2.2	8
852	Oribatid (Acari: Oribatida) diversity in natural and altered open arid ecosystems of South-Eastern Caucasus. Pedobiologia, 2021, 87-88, 150750.	0.5	3
853	Chemical weathering and gully erosion causing land degradation in a complex river basin of Eastern India: an integrated field, analytical and artificial intelligence approach. Natural Hazards, 2022, 110, 847-879.	1.6	22

#	Article	IF	CITATIONS
854	Global Assessment of Agricultural Productivity Losses from Soil Compaction and Water Erosion. Environmental Science & Environm	4.6	17
855	Modelling scenarios of soil properties and managements in olive groves at the micro-catchment scale with the AnnAGNPS model to quantify organic carbon. Catena, 2021, 203, 105333.	2.2	4
856	Assessment of soil quality and productivity in different phases of soil erosion with the focus on land degradation neutrality in tropical humid region of India. Catena, 2021, 204, 105440.	2.2	24
857	Rotational strip intercropping of maize and peanuts has multiple benefits for agricultural production in the northern agropastoral ecotone region of China. European Journal of Agronomy, 2021, 129, 126304.	1.9	18
858	Linking soils and streams: Chemical composition and sources of eroded organic matter during rainfall events in a Loess hilly-gully region of China. Journal of Hydrology, 2021, 600, 126518.	2.3	4
859	Integrated modelling for mapping spatial sources of dust in central Asia - An important dust source in the global atmospheric system. Atmospheric Pollution Research, 2021, 12, 101173.	1.8	31
860	Development of Novel Nano-Silver-Based Antenna for Green Agriculture. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.0	3
861	Erosion effects on soil carbon and nitrogen dynamics on cultivated slopes: A meta-analysis. Geoderma, 2021, 397, 115045.	2.3	24
862	Effects of terracing on soil properties in three key mountainous regions of China. Geography and Sustainability, 2021, 2, 195-206.	1.9	6
863	Soil Erosion Susceptibility Mapping of Imo River Basin Using Modified Geomorphometric Prioritisation Method. Quaestiones Geographicae, 2021, 40, 143-162.	0.5	3
864	Frequency analysis of storm-scale soil erosion and characterization of extreme erosive events by linking the DWEPP model and a stochastic rainfall generator. Science of the Total Environment, 2021, 787, 147609.	3.9	10
865	The role of cover crops in the loss of protected and non-protected soil organic carbon fractions due to water erosion in a Mediterranean olive grove. Soil and Tillage Research, 2021, 213, 105119.	2.6	14
866	Spatial-temporal change of soil organic carbon in Anhui Province of East China. Geoderma Regional, 2021, 26, e00415.	0.9	8
867	Using stable nitrogen isotope to indicate soil nitrogen dynamics under agricultural soil erosion in the Mun River basin, Northeast Thailand. Ecological Indicators, 2021, 128, 107814.	2.6	27
868	Use of modified and petroleum -impregnated bentonite mulch as an eco-friendly stabilizer of wind erodible sands. Aeolian Research, 2021, 53, 100749.	1.1	1
869	Simulating soil erodibility in southeastern China using a sequential Gaussian algorithm. Pedosphere, 2021, 31, 715-724.	2.1	18
870	Dominant influence of non-thawing periods on annual CO2 emissions from Zoige peatlands: Five-year eddy covariance analysis. Ecological Indicators, 2021, 129, 107913.	2.6	8
871	The effect of tillage management on microbial functions in a maize crop at different slope positions. Geoderma, 2021, 401, 115171.	2.3	9

#	Article	IF	CITATIONS
872	Linking recent changes in sediment yields and aggregate-associated organic matter sources from a typical catchment of the Loess Plateau, China. Agriculture, Ecosystems and Environment, 2021, 321, 107606.	2.5	5
873	Contributions of soil erosion and decomposition to SOC loss during a short-term paddy land abandonment in Northeast Thailand. Agriculture, Ecosystems and Environment, 2021, 321, 107629.	2.5	27
874	Landscape-scale spatial variability of soil organic carbon content in a temperate grassland: Insights into the role of wind erosion. Catena, 2021, 207, 105635.	2.2	9
875	Spatial extrapolation of topographic models for mapping soil organic carbon using local samples. Geoderma, 2021, 404, 115290.	2.3	8
876	Soil erosion impacts on nutrient deposition in a typical karst watershed. Agriculture, Ecosystems and Environment, 2021, 322, 107649.	2.5	10
877	Using carbonate absorbance peak to select the most suitable regression model before predicting soil inorganic carbon concentration by mid-infrared reflectance spectroscopy. Geoderma, 2022, 405, 115403.	2.3	10
878	How soil erosion and runoff are related to land use, topography and annual precipitation: Insights from a meta-analysis of erosion plots in China. Science of the Total Environment, 2022, 802, 149665.	3.9	29
879	Simulating the effects of erosion on organic carbon dynamics in agricultural soils. Catena, 2022, 208, 105753.	2.2	5
880	Ecosystem Services Values of the Northwestern Patagonian Natural Grasslands. Natural and Social Sciences of Patagonia, 2021, , 139-154.	0.2	0
881	Altitude and management affect soil fertility, leaf nutrient status and Xanthomonas wilt prevalence in enset gardens. Soil, 2021, 7, 1-14.	2.2	13
882	Data Mining in Environments Sensing. Research on Intelligent Manufacturing, 2021, , 35-57.	0.2	0
883	Water Erosion. Encyclopedia of Earth Sciences Series, 2008, , 817-822.	0.1	2
884	Soil Erosion Hazard Under the Current and Potential Climate Change Induced Loss of Soil Organic Matter in the Upper Blue Nile (Abay) River Basin, Ethiopia. , 2015, , 137-163.		9
885	Research and Developmental Issues in Dryland Agriculture. , 2016, , 31-46.		11
886	Supporting, Regulating, and Provisioning Hydrological Services. Ecological Studies, 2013, , 107-116.	0.4	6
887	Continental-Scale Living Forest Biomass and Carbon Stock: A Robust Fuzzy Ensemble of IPCC Tier 1 Maps for Europe. IFIP Advances in Information and Communication Technology, 2013, , 271-284.	0.5	10
888	Challenges and Opportunities of Soil Organic Carbon Sequestration in Croplands. Sustainable Agriculture Reviews, 2010, , 149-174.	0.6	2
889	Conservation Tillage Impact on Soil Aggregation, Organic Matter Turnover and Biodiversity. Sustainable Agriculture Reviews, 2012, , 141-160.	0.6	17

#	Article	IF	CITATIONS
890	The Study of Land Degradation in Drylands: State of the Art. , 2014, , 13-54.		3
891	Desertification and Soil Erosion. , 2014, , 369-378.		19
892	Abating Climate Change and Feeding the World Through Soil Carbon Sequestration., 2014,, 443-457.		8
893	Natural Hazards Mitigation Services of Carbon-Rich Ecosystems. , 2013, , 221-293.		11
894	Soil Erosion and Management Strategies. , 2019, , 73-122.		14
895	Efficient Groundcovers in Mediterranean Olive Groves Under Changing Climate. , 2020, , 729-760.		2
896	Carbon Sequestration, Terrestrial. , 2004, , 289-298.		7
897	Application of a modeling approach to designate soil and soil organic carbon loss to wind erosion on long-term monitoring sites (BDF) in Northern Germany. Aeolian Research, 2017, 25, 135-147.	1.1	28
898	A review of soil carbon dynamics resulting from agricultural practices. Journal of Environmental Management, 2020, 268, 110319.	3.8	87
899	Soil Natural Capital and Ecosystem Service Delivery in a World of Global Soil Change. Issues in Environmental Science and Technology, 2012, , 41-68.	0.4	13
900	Estimating soil organic carbon redistribution in three major river basins of China based on erosion processes. Soil Research, 2020, 58, 540.	0.6	5
901	Soil carbon and agricultural productivity: perspectives from sub-Saharan Africa, 2015, , 132-140.		2
902	Sustaining soil carbon in bioenergy cropping systems of northern temperate regions CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-23.	0.6	8
903	Managing soils for negative feedback to climate change and positive impact on food and nutritional security. Soil Science and Plant Nutrition, 2020, 66, 1-9.	0.8	59
904	Soil carbon sequestration simulated in CMIP6-LUMIP models: implications for climatic mitigation. Environmental Research Letters, 2020, 15, 124061.	2.2	35
906	Restoration Changes in Organic Carbon Stocks of the Vegetation and Soil Ecosystems in the Reversion Process of Desertification in Arid Areas. Advances in Geosciences, 2018, 08, 48-59.	0.0	2
907	The Impact of Afforestation on Soil Organic Carbon Sequestration on the Qinghai Plateau, China. PLoS ONE, 2015, 10, e0116591.	1.1	18
908	Net Carbon Emissions from Deforestation in Bolivia during 1990-2000 and 2000-2010: Results from a Carbon Bookkeeping Model. PLoS ONE, 2016, 11, e0151241.	1.1	8

#	Article	IF	CITATIONS
910	Soil Organic Carbon Density Spatial Distribution and Influencing Factors in a Karst Mountainous Basin. Polish Journal of Environmental Studies, 2017, 26, 2363-2374.	0.6	7
911	Comparing Estimation Methods for Soil Organic Carbon Storage in Small Karst Watersheds. Polish Journal of Environmental Studies, 2018, 27, 1879-1890.	0.6	3
912	Effects of land use on soil CO2 flux in the Paramo de Guerrero, Colombia. Agronomia Colombiana, 2016, 34, 364-373.	0.1	9
913	Different land-use intensities and their susceptibility to soil erosion. Agrokemia Es Talajtan, 2019, 68, 14-23.	0.1	2
914	Effect of 14-Year Long Term Fertilizer Management on Soil Organic Carbon Stock, Carbon Sequestration Rate and Nutrient Balances in Vertisols. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 895-902.	0.0	3
915	Productivity, Economic, and Environmental Benefits in Intercropping of Maize with Chili and Grass. Agronomy Journal, 2017, 109, 2407-2414.	0.9	12
917	ASSESSMENT OF YEARLY SOIL EROSION OF RANCHI DISTRICT USING RUSLE INTEGRATING GEOINFORMATICS APPROACH. I-manager's Journal on Future Engineering and Technology, 2019, 15, 54.	0.3	1
919	Temporal Variations of Soil Organic Carbon and pH at Landscape Scale and the Implications for Cropping Intensity in Rice-Based Cropping Systems. Agronomy, 2021, 11, 59.	1.3	9
920	Sediment Flux and Its Environmental Implications. Journal of Environmental Informatics, 2014, 24, 111-120.	6.0	6
921	Organic amendments for soil restoration in arid and semiarid areas: a review. AIMS Environmental Science, 2017, 4, 640-676.	0.7	27
922	Movilizaci \tilde{A}^3 n de carbono org \tilde{A}_i nico por distintos procesos erosivos en la conexi \tilde{A}^3 n ladera-cauce. Pirineos, 2010, 165, 157-177.	0.6	4
923	Different fertilizer types affected nitrogen and carbon cycling in eroded and colluvial soils of Southern Ecuador. Agricultural Sciences, 2013, 04, 19-32.	0.2	4
924	The Effects of Different Levels of Nitrogen on Yield and Yield Components of Rainfed Wheat in Two Regions of North Khorasan. Open Journal of Ecology, 2016, 06, 443-451.	0.4	5
925	Soil Properties, and Soil Organic Carbon Stocks of Tropical Andosol under Different Land Uses. Open Journal of Soil Science, 2013, 03, 153-162.	0.3	32
926	Comparison of Prairie and Eroded Agricultural Lands on Soil Organic Carbon Retention (South) Tj ETQq0 0 0 rgBT	/8verlock	. 10 Tf 50 18:
927	Soil Organic Carbon Dynamics in Eroding and Depositional Landscapes. Open Journal of Soil Science, 2016, 06, 121-134.	0.3	14
928	Effects of Land Use Change, Cultivation, and Landscape Position on Prairie Soil Organic Carbon Stocks. Open Journal of Soil Science, 2018, 08, 163-173.	0.3	5
941	Variation of soil organic carbon, stable isotopes, and soil quality indicators across an erosion–deposition catena in a historical Spanish olive orchard. Soil, 2020, 6, 179-194.	2.2	7

#	Article	IF	CITATIONS
943	Improvement of soil carbon sink by cover crops in olive orchards under semiarid conditions. Influence of the type of soil and weed. Spanish Journal of Agricultural Research, 2013, 11, 335.	0.3	49
944	Assessment of crusting effects on interrill erosion by laser scanning. PeerJ, 2020, 8, e8487.	0.9	8
945	Effects of 15-year vegetation restoration on organic carbon in soil aggregates on the Loess Plateau, China. Archives of Agronomy and Soil Science, 2023, 69, 344-357.	1.3	5
946	Soil Carbon Erosion and Its Selectivity at the Plot Scale in Tropical and Mediterranean Regions. , 2005, , 55-72.		4
947	Soil Physical Properties and Erosion. , 2007, , 165-178.		1
948	Soil Science., 2009, , 283-300.		0
949	Soil Conservation and Carbon Dynamics. , 2010, , 449-476.		1
950	Soil Erodibility Effect on Sediment Producing in Aras Sub Watershed. Research Journal of Environmental Sciences, 2010, 4, 187-192.	0.5	3
952	Biometrical Evaluation and Yield Performance Assessment of Cowpea [Vigna unguiculata (L.) Walp] Landraces Grown under Lowland Tropical Conditions. International Journal of Plant Breeding and Genetics, 2011, 6, 47-53.	0.3	7
953	Crop residues for biofuel and increased soil erosion hazards. Advances in Agroecology, 2012, , 397-414.	0.3	0
955	Effect of tillage systems on soil properties, humus and water conservation. Agricultural Sciences, 2013, 04, 35-40.	0.2	1
959	Current soil carbon loss and land degradation globally: where are the hotspots and why there?., 2015,, 224-234.		4
960	Soil Carbon Sequestration in Dryland Agriculture. , 2016, , 469-490.		1
961	Spatial and seasonal variations of organic carbon level in four major rivers in Korea. Environmental Engineering Research, 2016, 21, 84-90.	1.5	3
962	Carbon Sequestration: Fish Ponds. , 2017, , 274-278.		1
963	Greenhouse Effect. , 2017, , 1048-1052.		O
964	Erosion: Global Change. , 2017, , 804-810.		0
965	Degradação do solo por erosão em área vulnerável à desertificação no semiárido pernambucano. , 0, , 4406-4416.		1

#	Article	IF	CITATIONS
966	Spatial and Temporal Variation of C– Factor and Soil Erosion in a Semi-Arid Watershed: A Case Study in Mahabubnagar District. International Journal of Agricultural Science and Research (IJASR), 2017, 7, 175-188.	0.0	0
967	CHARACTERISTICS AND QUALITY Of SOILS UNDER SELECTED FARMING PRACTICES IN SOUTHWESTERN NIGERIA. Geography, Environment, Sustainability, 2018, 11, 111-125.	0.6	2
968	Total Organic Carbon in the Water of Polish Dam Reservoirs. Handbook of Environmental Chemistry, 2020, , 189-207.	0.2	1
969	Perennial Staple Crops: Yields, Distribution, and Nutrition in the Global Food System. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	19
970	Soil erosion significantly decreases aggregate-associated OC and N in agricultural soils of Northeast China. Agriculture, Ecosystems and Environment, 2022, 323, 107677.	2.5	25
971	Soil and organic carbon redistribution in a recently burned Mediterranean hillslope affected by water erosion processes. Geoderma, 2022, 406, 115539.	2.3	6
972	Differences in the sediment composition of wind eroded sandy soils before and after fertilization with poultry manure. Soil and Tillage Research, 2022, 215, 105205.	2.6	9
973	Spatiotemporal heterogeneity, convergence and its impact factors: Perspective of carbon emission intensity and carbon emission per capita considering carbon sink effect. Environmental Impact Assessment Review, 2022, 92, 106699.	4.4	58
974	Gully is the dominant sediment source of snowmelt erosion in the black soil region – A case study. Soil and Tillage Research, 2022, 215, 105232.	2.6	11
975	Erosion and deposition divergently affect the structure of soil bacterial communities and functionality. Catena, 2022, 209, 105805.	2.2	14
976	Soil organic carbon stocks and dynamics in a mollisol region: A 1980s–2010s study. Science of the Total Environment, 2022, 807, 150910.	3.9	11
977	Particulate organic carbon exports from the terrestrial biosphere controlled by erosion. Catena, 2022, 209, 105815.	2.2	19
978	Use of Halophytes for the Remediation of Metal-Affected Soils in Arid Environments. , 2020, , 1-28.		0
979	Organic Matter: The Whole Truth and Nothing but the Truth. , 2020, , 227-304.		0
980	Knowledge Gaps and Research Priorities. , 2020, , 607-623.		2
981	No-Till Systems to Sequester Soil Carbon: Potential and Reality., 2020,, 301-317.		6
982	Climate Change and Health Impacts in Pakistan. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 1-18.	0.3	1
983	Factors Driving the Adoption and Use Extent of Sustainable Land Management Practices in South Africa. Circular Economy and Sustainability, 2022, 2, 589-608.	3.3	6

#	ARTICLE	IF	CITATIONS
984	Organic amendments for soil restoration in arid and semiarid areas: a review. AIMS Environmental Science, 2017, 4, 640-676.	0.7	1
985	Environmental variables regulating organic carbon dynamics of Sundarban mangrove ecosystem, India. International Journal of Chemical and Environmental Sciences, 2020, 2, 7-17.	0.0	1
986	Watershed-Based Management for Sustainable Freshwater Resources. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-12.	0.0	0
987	Climate Change and Health Impacts in Pakistan. , 2022, , 1765-1778.		0
988	Effects of vegetation presence on soil net N mineralization are independent of landscape position and vegetation type in an eroding watershed. Agriculture, Ecosystems and Environment, 2022, 325, 107743.	2.5	9
989	Tracer elements revealed the soil organic carbon sources in a dam-controlled watershed. Soil and Tillage Research, 2022, 216, 105184.	2.6	8
990	Soil burial reduces decomposition and offsets erosionâ€induced soil carbon losses in the Indian Himalaya. Global Change Biology, 2022, 28, 1643-1658.	4.2	10
991	Evolution of historical sediment yield using check-dam systems as carriers: A case study in a restored agricultural catchment on the Loess Plateau, China. Catena, 2022, 210, 105877.	2.2	4
992	Assessing soil and land health across two landscapes in eastern Rwanda to inform restoration activities. Soil, 2021, 7, 767-783.	2.2	7
993	Ecological restoration and rising CO ₂ enhance the carbon sink, counteracting climate change in northeastern China. Environmental Research Letters, 2022, 17, 014002.	2.2	9
994	The Effect of Erosion Processes on the Content and Composition of Organic Matter in Macro-and Microaggregates of Haplic Chernozem. Eurasian Soil Science, 2021, 54, 1659-1667.	0.5	3
995	Modeling and Assessing Potential Soil Erosion Hazards Using USLE and Wind Erosion Models in Integration with GIS Techniques: Dakhla Oasis, Egypt. Agriculture (Switzerland), 2021, 11, 1124.	1.4	10
996	Greenhouse Gas Mitigation in Forest and Agricultural Lands: Reducing Emissions. Edis, 2009, 2009, .	0.0	0
997	The fate of carbon in check dam sediments. Earth-Science Reviews, 2022, 224, 103889.	4.0	15
998	Woody perennial polycultures in the U.S. Midwest enhance biodiversity and ecosystem functions. Ecosphere, 2022, 13, e03890.	1.0	10
999	Vertically stratified water source characteristics and associated driving mechanisms of particulate organic carbon in a large floodplain lake system. Water Research, 2022, 209, 117963.	5.3	17
1000	Soil organic carbon dynamics in the agricultural soils of Bangladesh following more than 20 years of land use intensification. Journal of Environmental Management, 2022, 305, 114427.	3.8	9
1001	Mitigation of soil organic carbon mineralization by soil redistribution - An erosion-deposition plot study under natural rainfall over five years. Agriculture, Ecosystems and Environment, 2022, 327, 107827.	2.5	2

#	Article	IF	CITATIONS
1002	Drivers of water erosion-induced lateral soil carbon loss on the Tibetan Plateau. Catena, 2022, 211, 105970.	2.2	7
1003	Soil organic carbon content and stock change after half a century of intensive cultivation in a chernozem area. Catena, 2022, 211, 105950.	2.2	7
1004	Contribution of Erosion in Discharge-Induced Organic Carbon and Nitrogen Loss from Boreal Agricultural Mineral Soils. SSRN Electronic Journal, 0, , .	0.4	0
1005	Erosion and covered zones altered by surface coverage effects on soil nitrogen and carbon loss from an agricultural slope under laboratory-simulated rainfall events. International Soil and Water Conservation Research, 2022, 10, 382-392.	3.0	6
1006	Sediment export estimation from the catchment area of Lake Rawapening using InVEST model. IOP Conference Series: Earth and Environmental Science, 2022, 950, 012072.	0.2	2
1008	Environmental Consequences of Soil Erosion. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 112-131.	0.3	1
1010	Progress in Dust Modelling, Global Dust Budgets, and Soil Organic Carbon Dynamics. Land, 2022, 11, 176.	1.2	21
1011	Chemical denudation in a small mountainous coastal river in the tropics: Insights from Kali River, Southwestern India. Applied Geochemistry, 2022, 137, 105198.	1.4	2
1012	A landscape evolution modeling approach for predicting threeâ€dimensional soil organic carbon redistribution in agricultural landscapes. Journal of Geophysical Research G: Biogeosciences, 0, , .	1.3	5
1013	Spatiotemporal analysis of the quantitative attribution of soil water erosion in the upper reaches of the Yellow River Basin based on the RUSLE-TLSD model. Catena, 2022, 212, 106081.	2.2	31
1014	Modelling climate change impact on soil erosion in a watershed of north-western Lesser Himalayan region. Journal of Sedimentary Environments, 2022, 7, 125-146.	0.7	13
1015	A new large-scale suspended sediment model and its application over the United States. Hydrology and Earth System Sciences, 2022, 26, 665-688.	1.9	14
1016	Risk assessment of soil erosion in Central Asia under global warming. Catena, 2022, 212, 106056.	2.2	35
1017	Plant community near-surface characteristics as drivers of soil erodibility variation along a slope gradient in a typical semiarid region of China. Catena, 2022, 212, 106108.	2.2	7
1018	Adaptive phytoremediation practices for sustaining ecosystem services., 2022,, 181-225.		5
1019	Topsoil Humus Reserve on Agricultural Lands Affected by Hydric Erosion. Hillslopes Scale Assessment in Central Romania. SSRN Electronic Journal, 0, , .	0.4	0
1020	Is Eroded Slope Land a Sink or Source of Co2. SSRN Electronic Journal, 0, , .	0.4	0
1021	Hydraulic mechanisms of the uneven enrichment of soil organic carbon in sediments during rain-induced overland flow. PLoS ONE, 2022, 17, e0262865.	1.1	1

#	Article	IF	CITATIONS
1022	Difference of Soil Aggregates Composition, Stability, and Organic Carbon Content between Eroded and Depositional Areas after Adding Exogenous Organic Materials. Sustainability, 2022, 14, 2143.	1.6	4
1023	Soil Use Legacy as Driving Factor for Soil Erosion under Conservation Agriculture. Frontiers in Environmental Science, 2022, 10, .	1.5	2
1024	Soil Loss Assessment Using the Revised Universal Soil Loss Equation (RUSLE) Model. Applied and Environmental Soil Science, 2022, 2022, 1-14.	0.8	10
1025	Dynamics of soil organic carbon in different-sized aggregates under splash erosion. Journal of Soils and Sediments, 2022, 22, 1713-1723.	1.5	7
1027	Farmers' Perception of Soil Erosion and Degradation and Their Effects on Rural Livelihoods in KwaMaye Community, KwaZulu-Natal, South Africa. Journal of Asian and African Studies, 2023, 58, 1405-1421.	0.9	0
1028	Soil Organic Carbon Distribution and Its Response to Soil Erosion Based on EEM-PARAFAC and Stable Carbon Isotope, a Field Study in the Rocky Desertification Control of South China Karst. International Journal of Environmental Research and Public Health, 2022, 19, 3210.	1.2	1
1029	Soil OC and N Stocks in the Saline Soil of Tunisian Gataaya Oasis Eight Years after Application of Manure and Compost. Land, 2022, 11, 442.	1.2	3
1030	Landscape position and slope aspects impacts on soil organic carbon pool and biological indicators of a fragile ecosystem in high-altitude cold arid region. Journal of Soil Science and Plant Nutrition, 2022, 22, 2612-2632.	1.7	8
1031	Characteristics of runoff and sediment yield for two typical erodible soils in southern China. International Journal of Sediment Research, 2022, 37, 653-661.	1.8	8
1032	Analysis of soil erosion characteristics in small watershed of the loess tableland Plateau of China. Ecological Indicators, 2022, 137, 108765.	2.6	22
1033	Techno-economic assessment of agricultural land remediation measures through nutrient management practices to achieve sustainable agricultural production. Environmental Challenges, 2022, 7, 100492.	2.0	8
1034	Global analysis of cover management and support practice factors that control soil erosion and conservation. International Soil and Water Conservation Research, 2022, 10, 161-176.	3.0	28
1035	Wind erosion susceptibility modelling along the Eastern Cape Wild Coast, South Africa. Catena, 2022, 214, 106262.	2.2	0
1036	Topographic attributes override impacts of agronomic practices on prokaryotic community structure. Applied Soil Ecology, 2022, 175, 104446.	2.1	2
1037	Modelling climate change impact on soil loss and erosion vulnerability in a watershed of Shiwalik Himalayas. Catena, 2022, 214, 106279.	2.2	15
1040	Statistical Approaches Link Sources of Sediment Contamination in Subtropical Reservoirs to Land Use: an Example from the Itupararanga Reservoir (Brazil). Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	1
1043	Soil Erosion Vulnerability Mapping in Selected Rural Communities of uThukela Catchment, South Africa, Using the Analytic Hierarchy Process. Earth Systems and Environment, 2022, 6, 851-864.	3.0	5
1044	Site and landscape position-dependent effects of vegetation removal on soil nitrogen mineralization across five sites on China's Loess Plateau. Catena, 2022, 215, 106336.	2.2	O

#	Article	IF	CITATIONS
1045	Estimation of annual rate and spatial distribution of soil erosion in the Jamuna basin using RUSLE model: A geospatial approach. Environmental Challenges, 2022, 8, 100524.	2.0	16
1046	Prediction of soil organic carbon in mining areas. Catena, 2022, 215, 106311.	2.2	7
1048	The Potential of Ecological Restoration Programs to Increase Erosion-Induced Carbon Sinks in Response to Future Climate Change. Forests, 2022, 13, 785.	0.9	0
1049	Facets of AM Fungi in Sequestering Soil Carbon and Improving Soil Health. Fungal Biology, 2022, , 327-344.	0.3	4
1050	Does Erosion Increase or Decrease Co2 Emission on Slopes. SSRN Electronic Journal, 0, , .	0.4	0
1051	Losses of sediment, organic matter, and nutrients in the Argentinean Pampas through rainfall simulation experiments. Journal of Soils and Sediments, 2022, 22, 2485-2498.	1.5	1
1053	Modeling and Mapping of Soil Water Erosion Risks in the Srou Basin (Middle Atlas, Morocco) Using the EPM Model, GIS and Magnetic Susceptibility. Journal of Landscape Ecology(Czech Republic), 2022, 15, 126-147.	0.2	8
1054	Can soil piping impact environment and society? Identifying new research gaps. Earth Surface Processes and Landforms, 2023, 48, 72-86.	1.2	7
1055	USLE modelling of soil loss in a Brazilian cerrado catchment. Remote Sensing Applications: Society and Environment, 2022, 27, 100788.	0.8	2
1056	Simulation and measurement of soil conservation service flow in the Loess Plateau: A case study for the Jinghe River Basin, Northwestern China. Ecological Indicators, 2022, 141, 109072.	2.6	8
1057	Erosion-deposition positively reconstruct the bacterial community and negatively weaken the fungal community. Catena, 2022, 217, 106471.	2.2	8
1058	Erosion intensity and check dam size affect the horizontal and vertical distribution of soil particles, carbon and nitrogen: Evidence from China's Loess Plateau. Catena, 2022, 217, 106451.	2.2	3
1059	Watershed-Based Management for Sustainable Freshwater Resources. Encyclopedia of the UN Sustainable Development Goals, 2022, , 1007-1018.	0.0	0
1060	Global Land-Use Development Trends: Traditional Cultural Landscapes Under Threat. Landscape Series, 2022, , 129-199.	0.1	2
1061	Soil Erosion and Sediments: A Source of Contamination and Impact on Agriculture Productivity. , 2022, , 313-345.		6
1062	Multi-scale processes influencing global carbon storage and land-carbon-climate nexus: A critical review. Pedosphere, 2023, 33, 250-267.	2.1	21
1063	Estimation of the volume of sediment deposited behind check dams based on UAV remote sensing. Journal of Hydrology, 2022, 612, 128143.	2.3	12
1064	Contribution of hydrological connectivity to the retention of soil organic carbon by vegetation patches: Insight from a dryland hillslope on the Loess Plateau, China. Catena, 2022, 216, 106436.	2.2	1

#	Article	IF	CITATIONS
1065	Characteristics and controlling factors of soil dissolved organic matter in the rainy season after vegetation restoration in a karst drainage area, South China. Catena, 2022, 217, 106483.	2.2	14
1069	Estimating the lateral transfer of organic carbon through the European river network using a land surface model. Earth System Dynamics, 2022, 13, 1119-1144.	2.7	3
1070	Performance of two aromatic grasses grown in association with mulberry trees on degraded land in the north-western Himalayan foothills. Biological Agriculture and Horticulture, $0, 1-11$.	0.5	0
1071	The Soil Aggregates and Associated Organic Carbon across the Greater Khingan Mountains: Spatial Patterns and Impacting Factors. Forests, 2022, 13, 1267.	0.9	0
1072	Decrease in Erosionâ€Induced Soil Organic Carbon as a Result of Vegetation Restoration in the Loess Plateau, China. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	0
1073	Crop intensification effects on soil quality and organic carbon stocks: a case study of Haramosh Valley in Central Karakorum, Pakistan. International Journal of Sustainable Development and World Ecology, 2023, 30, 37-48.	3.2	1
1074	Biophysical Controls That Make Erosion-Transported Soil Carbon a Source of Greenhouse Gases. Applied Sciences (Switzerland), 2022, 12, 8372.	1.3	3
1075	An insight to calculate soil conservation service. Geography and Sustainability, 2022, , .	1.9	0
1076	Disentangling effects of upslope runoff and sediment on soil nutrients on the hilly slopes of the Loess Plateau, China. Catena, 2022, 219, 106588.	2.2	3
1077	Source identification and chemical compositions of particulate and mineral-associated organic matter in the deposited sediments of a dam-controlled watershed. Catena, 2022, 219, 106618.	2.2	2
1078	Effect of different vegetation restoration on soil properties in the semi-arid Loess Plateau of China. Catena, 2023, 220, 106630.	2.2	17
1079	The stability of carbon from a maize-derived hydrochar as a function of fractionation and hydrothermal carbonization temperature in a Podzol. Biochar, 2022, 4, .	6.2	9
1080	Editorial: Carbon cycling in aquatic critical zones. Frontiers in Earth Science, 0, 10, .	0.8	0
1081	Comparisons of soil organic carbon enrichment and loss in sediments among red soil, black soil, and loess in China. SN Applied Sciences, 2022, 4, .	1.5	0
1082	Comparing Soil Erosion Rates on Terraced and Sloping Cultivated Land in Palestine Using FRN 137Cs Trace. International Journal of Analytical Chemistry, 2022, 2022, 1-6.	0.4	0
1083	Crop resilience via inter-plant spacing brings to the fore the productive ideotype. Frontiers in Plant Science, 0, 13, .	1.7	4
1084	ScenaLand: a simple methodology for developing land use and management scenarios. Mitigation and Adaptation Strategies for Global Change, 2022, 27, .	1.0	4
1085	Mapping soil erosion and analyzing its severity using the RUSLE model and local farmers' perception in the agricultural area of Rwanda. Modeling Earth Systems and Environment, 2023, 9, 1069-1087.	1.9	2

#	Article	IF	Citations
1086	Cover crop technology – a way towards conservation agriculture: A review. , 2021, 90, .		1
1087	Impact of Climate, Water and Biological Factors on Soil Health. Springer Briefs in Molecular Science, 2022, , 35-52.	0.1	0
1088	Carbon Sequestration in Degraded Lands: Current Prospects, Practices, and Future Strategies. , 2022, , 221-255.		0
1089	Net Primary Productivity Changes of Landslides Induced by the 2008 Wenchuan Earthquake. Land Degradation and Development, 0, , .	1.8	1
1090	Effect of Land Use/Cover Change on Soil Wind Erosion in the Yellow River Basin since the 1990s. Sustainability, 2022, 14, 12930.	1.6	2
1091	Analyses of the Impact of Soil Conditions and Soil Degradation on Vegetation Vitality and Crop Productivity Based on Airborne Hyperspectral VNIR–SWIR–TIR Data in a Semi-Arid Rainfed Agricultural Area (Camarena, Central Spain). Remote Sensing, 2022, 14, 5131.	1.8	4
1092	Matrix representation of lateral soil movements: scaling and calibrating CE-DYNAM (v2) at a continental level. Geoscientific Model Development, 2022, 15, 7835-7857.	1.3	3
1093	Effects of Ecological Programs and Other Factors on Soil Wind Erosion between 1981–2020. Remote Sensing, 2022, 14, 5322.	1.8	6
1094	Soil organic carbon in Andean high-mountain ecosystems: importance, challenges, and opportunities for carbon sequestration. Regional Environmental Change, 2022, 22, .	1.4	7
1095	How does soil water status influence the fate of soil organic matter? A review of processes across scales. Earth-Science Reviews, 2022, 234, 104214.	4.0	6
1096	SORCIÓN DE HIDROCARBUROS EN RAÃCES DE PLANTAS FITORREMEDIADORAS. Kuxulkab, 2014, 18, .	0.1	0
1097	Rehabilitation of eroded trails and gullies on quartzite rock outcrops with native species in a high-altitude grassland. Journal of Environmental Management, 2023, 326, 116569.	3 . 8	1
1098	Soil Loss Estimation Using Remote Sensing and RUSLE Model in Koromi-Federe Catchment Area of Jos-East LGA, Plateau State, Nigeria. Geomatics, 2022, 2, 499-517.	1.0	5
1099	Effects of soil and water conservation measures on sediment delivery processes in a hilly and gully watershed. Journal of Hydrology, 2023, 616, 128804.	2.3	10
1100	Impacts of land use/land cover and soil property changes on soil erosion in the black soil region, China. Journal of Environmental Management, 2023, 328, 117024.	3.8	15
1101	Insights from size fractions to interpret the erosion-driven variations in soil organic carbon on black soil sloping farmland, Northeast China. Agriculture, Ecosystems and Environment, 2023, 343, 108283.	2.5	5
1102	Hydrodynamic and geochemical controls on soil carbon mineralization upon entry into aquatic systems. Water Research, 2023, 229, 119499.	5. 3	2
1103	Effects of different forest recovery management on runoff and soil erosion in an area affected by Vaia storm. , 2022, , .		0

#	Article	IF	CITATIONS
1104	Using model simulation to evaluate soil loss potential in diversified agricultural landscapes. European Journal of Soil Science, 2023, 74, .	1.8	2
1105	Monitoring the temporal dimension of soil erosion in Mayurakshi Basin, India: A novel approach integrating RUSLE, Shannon's entropy and landscape ecological metrics. Journal of Earth System Science, 2022, 131, .	0.6	1
1106	Soil Erosion Satellite-Based Estimation in Cropland for Soil Conservation. Remote Sensing, 2023, 15, 20.	1.8	6
1107	Quantification of the effects of conservation practices on surface runoff and soil erosion in croplands and their trade-off: A meta-analysis. Science of the Total Environment, 2023, 864, 161015.	3.9	6
1108	Assessment of long-term land use and land cover change effects on soil erosion and soil organic carbon stock in humid ecosystem condition. Rendiconti Lincei, 2023, 34, 199-215.	1.0	0
1109	Modelling the Whole Profile Soil Organic Carbon Dynamics Considering Soil Redistribution under Future Climate Change and Landscape Projections over the Lower Hunter Valley, Australia. Land, 2023, 12, 255.	1.2	5
1110	Fingerprinting Sources of Fine-grained Sediment Deposited in a Riverine System by GLUE. Water Resources Management, $0, \dots$	1.9	1
1111	Climate Change Impact on Land Degradation and Soil Erosion in Hilly and Mountainous Landscape: Sustainability Issues and Adaptation Strategies. Springer Climate, 2022, , 119-155.	0.3	2
1112	Erosion potential model-based ANN-MLP for the spatiotemporal modeling of soil erosion in wadi Saida watershed. Modeling Earth Systems and Environment, 2023, 9, 3095-3117.	1.9	8
1113	Modeling and mapping spatial distribution of baseline soil organic carbon stock, a case of West Hararghe, Oromia Regional State, Eastern Ethiopia., 0,, 1-16.		0
1114	Topographic constraints on the distribution of selenium in the supergene environment: A case study at Yutangba, China. Environmental Pollution, 2023, 319, 121026.	3.7	2
1115	Vegetation position impacts soil carbon losses on the slope of the Loess Plateau of China. Catena, 2023, 222, 106875.	2.2	2
1117	Increased precipitation weakenes the positive effect of vegetation greening on erosion. Geocarto International, 2023, 38, .	1.7	0
1118	Is soil an organic carbon sink or source upon erosion, transport and deposition?. European Journal of Soil Science, 2023, 74, .	1.8	4
1119	Effects of forest age on soil erosion and nutrient loss in Dianchi watershed, China. Environmental Monitoring and Assessment, 2023, 195, .	1.3	4
1120	Characteristics of Soil Organic Carbon (SOC) Loss with Water Erosion in Sloping Farmland of Southwestern China during Maize (Zea mays L.) Growth Stages. Agronomy, 2023, 13, 738.	1.3	1
1121	Temporal variability of global potential water erosion based on an improved USLE model. International Soil and Water Conservation Research, 2024, 12, 1-12.	3.0	2
1122	Agricultural practices drive elevated rates of topsoil decline across Kenya, but terracing and reduced tillage can reverse this. Science of the Total Environment, 2023, 870, 161925.	3.9	2

#	Article	IF	CITATIONS
1123	Migration of Dissolved Organic Matter in the Epikarst Fissured Soil of South China Karst. Land, 2023, 12, 887.	1.2	0
1124	Eco-morphodynamic carbon pumping by the largest rivers in the Neotropics. Scientific Reports, 2023, 13, .	1.6	2
1125	A digital close range photogrammetric observation system for measuring soil surface morphology during ongoing rainfall. Journal of Hydrology, 2023, 620, 129427.	2.3	1
1126	An assessment of South American sediment fluxes under climate changes. Science of the Total Environment, 2023, 879, 163056.	3.9	1
1127	Soil organic carbon pool distribution and stability with grazing and topography in a Mongolian grassland. Agriculture, Ecosystems and Environment, 2023, 348, 108431.	2.5	0
1128	Edge-of-field monitoring to assess the effectiveness of conservation practices in the reduction of carbon losses from the foothills of the Himalayas. Catena, 2023, 225, 107030.	2.2	0
1129	Estimation of soil erosion for a semi-urban watershed in Tamil Nadu, India using RUSLE and geospatial techniques. Urban Climate, 2023, 48, 101424.	2.4	13
1130	Assessment of Soil Erosion from an Ungauged Small Watershed and Its Effect on Lake Ulansuhai, China. Land, 2023, 12, 440.	1.2	3
1131	Reconciling the paradox of soil organic carbon erosion by water. Biogeosciences, 2023, 20, 635-646.	1.3	8
1132	Effects of soil and rock microhabitats on soil organic carbon stability in a karst peak-cluster depression region of Southwestern China. Geoderma Regional, 2023, 32, e00623.	0.9	1
1133	Spatial distributions of soil nutrients affected by land use, topography and their interactions, in the Loess Plateau of China. International Soil and Water Conservation Research, 2024, 12, 227-239.	3.0	5
1134	Risk Assessment and Prediction of Soil Water Erosion on the Middle Northern Slope of Tianshan Mountain. Sustainability, 2023, 15, 4826.	1.6	3
1135	Organic vegetable crop residue decomposition in soils. Heliyon, 2023, 9, e14529.	1.4	0
1136	Influence of Precipitation Effects Induced by Large-Scale Irrigation in Northwest China on Soil Erosion in the Yellow River Basin. Remote Sensing, 2023, 15, 1736.	1.8	0
1137	The Role of Paddy Fields in the Sediment of a Small Agricultural Catchment in the Three Gorges Reservoir Region by the Sediment Fingerprinting Method. Land, 2023, 12, 875.	1.2	0
1138	Ecosystem management using livestock: embracing diversity and respecting ecological principles. Animal Frontiers, 2023, 13, 28-34.	0.8	17
1139	A Consideration of the Climatic Drivers, Focal Points and Challenges of Soil Erosion, Land Degradation, Landslides and Landscapes in Nigeria. Springer Climate, 2023, , 449-477.	0.3	0
1140	Spatial prediction of soil erosion risk using knowledge-driven method in Malaysia's Steepland Agriculture Forested Valley. Environment, Development and Sustainability, 0, , .	2.7	2

#	Article	IF	CITATIONS
1141	Interactions between wind erosion and soil organic carbon. , 2023, , 163-179.		0
1159	An Introduction to the Rivers of Southern Chile and Patagonia. The Latin American Studies Book Series, 2023, , 1-11.	0.1	0
1175	Sustainable Production Systems. , 2023, , 541-575.		0
1178	Soil erosion in diverse agroecological regions of India: a comprehensive review of USLE-based modelling. Environmental Monitoring and Assessment, 2023, 195, .	1.3	4
1180	Review and prospect of soil compound erosion. Journal of Arid Land, 2023, 15, 1007-1022.	0.9	1
1203	Role of Soil Science in Mitigating Natural and Anthropogenic Disasters. Disaster Resilience and Green Growth, 2023, , 113-129.	0.2	O
1229	Impacts of land use and land cover changes on soil erosion. , 2024, , 229-248.		0