Thomas Scholten

List of Publications by Year in descending order

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175 papers	9,556 citations	34105 52 h-index	49909 87 g-index

224 all docs	224 docs citations	224 times ranked	10307 citing authors

#	Article	IF	Citations
1	Linking N2O emissions from biochar-amended soil to the structure and function of the N-cycling microbial community. ISME Journal, 2014, 8, 660-674.	9.8	484
2	Impacts of species richness on productivity in a large-scale subtropical forest experiment. Science, 2018, 362, 80-83.	12.6	433
3	Multi-scale digital terrain analysis and feature selection for digital soil mapping. Geoderma, 2010, 155, 175-185.	5.1	236
4	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical <scp>C</scp>hina. Methods in Ecology and Evolution, 2014, 5, 74-89.	5.2	232
5	Community assembly during secondary forest succession in a Chinese subtropical forest. Ecological Monographs, 2011, 81, 25-41.	5.4	222
6	Spatial and vertical variation of soil carbon at two grassland sites â€" Implications for measuring soil carbon stocks. Geoderma, 2007, 141, 272-282.	5.1	194
7	Digital soil mapping using artificial neural networks. Journal of Plant Nutrition and Soil Science, 2005, 168, 21-33.	1.9	185
8	Early stage litter decomposition across biomes. Science of the Total Environment, 2018, 628-629, 1369-1394.	8.0	177
9	European small portable rainfall simulators: A comparison of rainfall characteristics. Catena, 2013, 110, 100-112.	5.0	170
10	Biodiversity across trophic levels drives multifunctionality in highly diverse forests. Nature Communications, 2018, 9, 2989.	12.8	169
11	Tree species richness increases ecosystem carbon storage in subtropical forests. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181240.	2.6	169
12	Pedogenesis, permafrost, and soil moisture as controlling factors for soil nitrogen and carbon contents across the Tibetan Plateau. Global Change Biology, 2009, 15, 3001-3017.	9.5	159
13	Rising Precipitation Extremes across Nepal. Climate, 2017, 5, 4.	2.8	157
14	The spectrum-based learner: A new local approach for modeling soil visâ€"NIR spectra of complex datasets. Geoderma, 2013, 195-196, 268-279.	5.1	147
15	Do Himalayan treelines respond to recent climate change? An evaluation of sensitivity indicators. Earth System Dynamics, 2015, 6, 245-265.	7.1	137
16	Establishment success in a forest biodiversity and ecosystem functioning experiment in subtropical China (BEF-China). European Journal of Forest Research, 2013, 132, 593-606.	2.5	135
17	An approach to computing topographic wetness index based on maximum downslope gradient. Precision Agriculture, 2011, 12, 32-43.	6.0	133
18	Soil-aggregate formation as influenced by clay content and organic-matter amendment. Journal of Plant Nutrition and Soil Science, 2007, 170, 173-180.	1.9	128

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19	SoilTemp: A global database of nearâ€surface temperature. Global Change Biology, 2020, 26, 6616-6629.	9.5	122
20	Predicting and Mapping of Soil Organic Carbon Using Machine Learning Algorithms in Northern Iran. Remote Sensing, 2020, 12, 2234.	4.0	116
21	Storage, patterns, and control of soil organic carbon and nitrogen in the northeastern margin of the Qinghaiâ€“Tibetan Plateau. Environmental Research Letters, 2012, 7, 035401.	5.2	113
22	Improving the Spatial Prediction of Soil Organic Carbon Content in Two Contrasting Climatic Regions by Stacking Machine Learning Models and Rescanning Covariate Space. Remote Sensing, 2020, 12, 1095.	4.0	109
23	Soil Respiration in Tibetan Alpine Grasslands: Belowground Biomass and Soil Moisture, but Not Soil Temperature, Best Explain the Large-Scale Patterns. PLoS ONE, 2012, 7, e34968.	2.5	108
24	Community assembly of ectomycorrhizal fungi along a subtropical secondary forest succession. New Phytologist, 2015, 205, 771-785.	7.3	107
25	Organic and inorganic carbon in the topsoil of the Mongolian and Tibetan grasslands: pattern, control and implications. Biogeosciences, 2012, 9, 2287-2299.	3.3	105
26	Conversion of cropland into grassland: Implications for soil organicâ€carbon stocks in two soils with different texture. Journal of Plant Nutrition and Soil Science, 2009, 172, 53-62.	1.9	104
27	Organic and conservation agriculture promote ecosystem multifunctionality. Science Advances, 2021, 7, .	10.3	104
28	Splash erosion potential under tree canopies in subtropical SE China. Catena, 2012, 91, 85-93.	5.0	103
29	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystemsâ€”a study from SE China. Journal of Plant Ecology, 2017, 10, 111-127.	2.3	102
30	Conservation tillage and organic farming reduce soil erosion. Agronomy for Sustainable Development, 2019, 39, 1.	5.3	96
31	Iron mineral dissolution releases iron and associated organic carbon during permafrost thaw. Nature Communications, 2020, 11, 6329.	12.8	96
32	Land Suitability Assessment and Agricultural Production Sustainability Using Machine Learning Models. Agronomy, 2020, 10, 573.	3.0	96
33	Predictive soil mapping with limited sample data. European Journal of Soil Science, 2015, 66, 535-547.	3.9	94
34	Spatial modelling with Euclidean distance fields and machine learning. European Journal of Soil Science, 2018, 69, 757-770.	3.9	91
35	Hyper-scale digital soil mapping and soil formation analysis. Geoderma, 2014, 213, 578-588.	5.1	90
36	Sampling optimal calibration sets in soil infrared spectroscopy. Geoderma, 2014, 226-227, 140-150.	5.1	89

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37	Digital soil mapping in Germanyâ€"a review. Journal of Plant Nutrition and Soil Science, 2006, 169, 434-443.	1.9	82
38	Improving the spatial prediction of soil organic carbon using environmental covariates selection: A comparison of a group of environmentalÂcovariates. Catena, 2022, 208, 105723.	5.0	82
39	Soil and tree species traits both shape soil microbial communities during early growth of Chinese subtropical forests. Soil Biology and Biochemistry, 2016, 96, 180-190.	8.8	80
40	Himalayan treeline soil and foliar C:N:P stoichiometry indicate nutrient shortage with elevation. Geoderma, 2017, 291, 21-32.	5.1	80
41	Pedogenic and microbial interrelations to regional climate and local topography: New insights from a climate gradient (arid to humid) along the Coastal Cordillera of Chile. Catena, 2018, 170, 335-355.	5.0	77
42	The late Quaternary loess record of Tokaj, Hungary: Reconstructing palaeoenvironment, vegetation and climate using stable C and N isotopes and biomarkers. Quaternary International, 2011, 240, 52-61.	1.5	74
43	Comparative measurements with seven rainfall simulators on uniform bare fallow land. Zeitschrift FÃ¼r Geomorphologie, 2013, 57, 11-26.	0.8	70
44	Chemistry and microbiology of the Critical Zone along a steep climate and vegetation gradient in the Chilean Coastal Cordillera. Catena, 2018, 170, 183-203.	5.0	64
45	Distance and similarity-search metrics for use with soil visâ€"NIR spectra. Geoderma, 2013, 199, 43-53.	5.1	63
46	The ConMap approach for terrainâ€based digital soil mapping. European Journal of Soil Science, 2010, 61, 133-143.	3.9	62
47	Site and neighborhood effects on growth of tree saplings in subtropical plantations (China). Forest Ecology and Management, 2014, 327, 118-127.	3.2	59
48	Multi-task convolutional neural networks outperformed random forest for mapping soil particle size fractions in central Iran. Geoderma, 2020, 376, 114552.	5.1	59
49	Instance selection and classification tree analysis for large spatial datasets in digital soil mapping. Geoderma, 2008, 146, 138-146.	5.1	58
50	Improving the spatial prediction of soil salinity in arid regions using wavelet transformation and support vector regression models. Geoderma, 2021, 383, 114793.	5.1	58
51	Soil Organic Carbon Pools and Stocks in Permafrost-Affected Soils on the Tibetan Plateau. PLoS ONE, 2013, 8, e57024.	2.5	58
52	Assessing agricultural salt-affected land using digital soil mapping and hybridized random forests. Geoderma, 2021, 385, 114858.	5.1	54
53	Assessing the USLE crop and management factor C for soil erosion modeling in a large mountainous watershed in Central China. Journal of Earth Science (Wuhan, China), 2010, 21, 835-845.	3.2	53
54	Forest Age and Plant Species Composition Determine the Soil Fungal Community Composition in a Chinese Subtropical Forest. PLoS ONE, 2013, 8, e66829.	2.5	53

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55	How do soil properties affect alpine treelines? General principles in a global perspective and novel findings from Rolwaling Himal, Nepal. Progress in Physical Geography, 2016, 40, 135-160.	3.2	53
56	Increasing temperature reduces the coupling between available nitrogen and phosphorus in soils of Chinese grasslands. Scientific Reports, 2017, 7, 43524.	3.3	53
57	WRF-based simulation of an extreme precipitation event over the Central Himalayas: Atmospheric mechanisms and their representation by microphysics parameterization schemes. Atmospheric Research, 2018, 214, 21-35.	4.1	53
58	Enhancing the accuracy of machine learning models using the super learner technique in digital soil mapping. Geoderma, 2021, 399, 115108.	5.1	52
59	A metagenomic-based survey of microbial (de)halogenation potential in a German forest soil. Scientific Reports, 2016, 6, 28958.	3.3	51
60	Managing Soils for Recovering from the COVID-19 Pandemic. Soil Systems, 2020, 4, 46.	2.6	51
61	Bryophyte-dominated biological soil crusts mitigate soil erosion in an early successional Chinese subtropical forest. Biogeosciences, 2017, 14, 5775-5788.	3.3	47
62	Quantifying the added value of convection-permitting climate simulations in complex terrain: a systematic evaluation of WRF over the Himalayas. Earth System Dynamics, 2017, 8, 507-528.	7.1	46
63	Kinetic Energy of Throughfall in Subtropical Forests of SE China â€“ Effects of Tree Canopy Structure, Functional Traits, and Biodiversity. PLoS ONE, 2013, 8, e49618.	2.5	46
64	Early subtropical forest growth is driven by community mean trait values and functional diversity rather than the abiotic environment. Ecology and Evolution, 2015, 5, 3541-3556.	1.9	45
65	The influence of leaf litter diversity and soil fauna on initial soil erosion in subtropical forests. Earth Surface Processes and Landforms, 2015, 40, 1439-1447.	2.5	45
66	Establishing a luminescence chronology for a palaeosol-loess profile at Tokaj (Hungary): A comparison of quartz OSL and polymineral IRSL signals. Quaternary Geochronology, 2012, 10, 68-74.	1.4	44
67	Degradation of cultivated bench terraces in the Three Gorges Area: Field mapping and data mining. Ecological Indicators, 2013, 34, 478-493.	6.3	44
68	Throughfall kinetic energy in young subtropical forests: Investigation on tree species richness effects and spatial variability. Agricultural and Forest Meteorology, 2015, 213, 148-159.	4.8	44
69	Changes of carbon stocks in alpine grassland soils from 2002 to 2011 on the Tibetan Plateau and their climatic causes. Geoderma, 2017, 288, 166-174.	5.1	44
70	Simulated and projected climate extremes in the Zhujiang River Basin, South China, using the regional climate model <scp>COSMOâ€CLM</scp>. International Journal of Climatology, 2013, 33, 2988-3001.	3.5	43
71	Momentum or kinetic energy â€“ How do substrate properties influence the calculation of rainfall erosivity?. Journal of Hydrology, 2014, 517, 310-316.	5.4	43
72	Species-Specific Effects on Throughfall Kinetic Energy in Subtropical Forest Plantations Are Related to Leaf Traits and Tree Architecture. PLoS ONE, 2015, 10, e0128084.	2.5	43

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73	Climate Change-Induced Shift of Tree Growth Sensitivity at a Central Himalayan Treeline Ecotone. Forests, 2018, 9, 267.	2.1	43
74	Lack of tree layer control on herb layer characteristics in a subtropical forest, China. Journal of Vegetation Science, 2011, 22, 1120-1131.	2.2	42
75	Relationships Between Soil Microorganisms, Plant Communities, and Soil Characteristics in Chinese Subtropical Forests. Ecosystems, 2012, 15, 624-636.	3.4	42
76	Synthetic resampling strategies and machine learning for digital soil mapping in Iran. European Journal of Soil Science, 2020, 71, 352-368.	3.9	42
77	A new splash cup to measure the kinetic energy of rainfall. Journal of Plant Nutrition and Soil Science, 2011, 174, 596-601.	1.9	41
78	Hydrological long-term dry and wet periods in the Xijiang River basin, South China. Hydrology and Earth System Sciences, 2013, 17, 135-148.	4.9	41
79	Paleoclimate and weathering of the Tokaj (Hungary) loessâ€“paleosol sequence. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 426, 170-182.	2.3	41
80	Soil Temperature and Soil Moisture Patterns in a Himalayan Alpine Treeline Ecotone. Arctic, Antarctic, and Alpine Research, 2016, 48, 501-521.	1.1	41
81	Toward a methodical framework for comprehensively assessing forest multifunctionality. Ecology and Evolution, 2017, 7, 10652-10674.	1.9	41
82	Spatio-temporal dynamic of soil quality in the central Iranian desert modeled with machine learning and digital soil assessment techniques. Ecological Indicators, 2020, 118, 106736.	6.3	41
83	Impact of tree saplings on the kinetic energy of rainfallâ€”The importance of stand density, species identity and tree architecture in subtropical forests in China. Agricultural and Forest Meteorology, 2012, 156, 31-40.	4.8	40
84	Incorporating limited field operability and legacy soil samples in a hypercube sampling design for digital soil mapping. Journal of Plant Nutrition and Soil Science, 2016, 179, 499-509.	1.9	40
85	A comparison of calibration sampling schemes at the field scale. Geoderma, 2014, 232-234, 243-256.	5.1	38
86	Belowground top-down and aboveground bottom-up effects structure multitrophic community relationships in a biodiverse forest. Scientific Reports, 2017, 7, 4222.	3.3	38
87	Predicting reference soil groups using legacy data: A data pruning and Random Forest approach for tropical environment (Dano catchment, Burkina Faso). Scientific Reports, 2018, 8, 9959.	3.3	38
88	Probability Distribution of Precipitation Extremes for Weather Indexâ€“Based Insurance in the Zhujiang River Basin, South China. Journal of Hydrometeorology, 2012, 13, 1023-1037.	1.9	36
89	In-depth analysis of core methanogenic communities from high elevation permafrost-affected wetlands. Soil Biology and Biochemistry, 2017, 111, 66-77.	8.8	36
90	Tree species and functional traits but not species richness affect interrill erosion processes in young subtropical forests. Soil, 2016, 2, 49-61.	4.9	35

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91	Archaeopedology and chronostratigraphy of colluvial deposits as a proxy for regional land use history (Baar, southwest Germany). Catena, 2017, 155, 93-113.	5.0	35
92	Pedogenesis, permafrost, substrate and topography: Plot and landscape scale interrelations of weathering processes on the central-eastern Tibetan Plateau. Geoderma, 2014, 226-227, 300-316.	5.1	34
93	Bio-Inspired Hybridization of Artificial Neural Networks: An Application for Mapping the Spatial Distribution of Soil Texture Fractions. Remote Sensing, 2021, 13, 1025.	4.0	34
94	Uncertainty-guided sampling to improve digital soil maps. Catena, 2017, 153, 30-38.	5.0	33
95	Effect of geographical range size on plant functional traits and the relationships between plant, soil and climate in Chinese grasslands. Global Ecology and Biogeography, 2012, 21, 416-427.	5.8	32
96	Comparison of conditioned Latin hypercube and feature space coverage sampling for predicting soil classes using simulation from soil maps. Geoderma, 2020, 370, 114366.	5.1	32
97	Potential CO2 emissions from defrosting permafrost soils of the Qinghai-Tibet Plateau under different scenarios of climate change in 2050 and 2070. Catena, 2017, 149, 221-231.	5.0	30
98	The strength of soil-plant interactions under forest is related to a Critical Soil Depth. Scientific Reports, 2019, 9, 8635.	3.3	30
99	Tree diversity reduced soil erosion by affecting tree canopy and biological soil crust development in a subtropical forest experiment. Forest Ecology and Management, 2019, 444, 69-77.	3.2	30
100	Early positive effects of tree species richness on soil organic carbon accumulation in a large-scale forest biodiversity experiment. Journal of Plant Ecology, 2019, 12, 882-893.	2.3	29
101	Rising mean and extreme nearâ€surface air temperature across Nepal. International Journal of Climatology, 2020, 40, 2445-2463.	3.5	29
102	Decreasing nutrient concentrations in soils and trees with increasing elevation across a treeline ecotone in Rolwaling Himal, Nepal. Journal of Mountain Science, 2017, 14, 843-858.	2.0	28
103	Experimental Evidence of Functional Group-Dependent Effects of Tree Diversity on Soil Fungi in Subtropical Forests. Frontiers in Microbiology, 2018, 9, 2312.	3.5	28
104	Approximation and spatial regionalization of rainfall erosivity based on sparse data in a mountainous catchment of the Yangtze River in Central China. Environmental Science and Pollution Research, 2013, 20, 6917-6933.	5.3	27
105	Spatio-Temporal Analysis of Heavy Metals in Arid Soils at the Catchment Scale Using Digital Soil Assessment and a Random Forest Model. Remote Sensing, 2021, 13, 1698.	4.0	27
106	Applicability of groundâ€penetrating radar as a tool for nondestructive soilâ€depth mapping on Pleistocene periglacial slope deposits. Journal of Plant Nutrition and Soil Science, 2010, 173, 173-184.	1.9	23
107	A method to generate soilscapes from soil maps. Journal of Plant Nutrition and Soil Science, 2010, 173, 163-172.	1.9	23
108	Salt dome related soil salinity in southern Iran: Prediction and mapping with averaging machine learning models. Land Degradation and Development, 2021, 32, 1540-1554.	3.9	23

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109	Sediment Reallocations due to Erosive Rainfall Events in the Three Gorges Reservoir Area, Central China. Land Degradation and Development, 2017, 28, 1212-1227.	3.9	22
110	Archaeopedological analysis of colluvial deposits in favourable and unfavourable areas: reconstruction of land use dynamics in SW Germany. Royal Society Open Science, 2018, 5, 171624.	2.4	22
111	Estimation of throughfall erosivity in a highly diverse forest ecosystem using sand-filled splash cups. Journal of Earth Science (Wuhan, China), 2010, 21, 897-900.	3.2	21
112	Impact of tree diversity and environmental conditions on the survival of shrub species in a forest biodiversity experiment in subtropical China. Journal of Plant Ecology, 2017, 10, 179-189.	2.3	20
113	Comparison of catchment scale 3D and 2.5D modelling of soil organic carbon stocks in Jiangxi Province, PR China. PLoS ONE, 2019, 14, e0220881.	2.5	20
114	Pedogenic and microbial interrelation in initial soils under semiarid climate on James Ross Island, Antarctic Peninsula region. Biogeosciences, 2019, 16, 2481-2499.	3.3	19
115	A tale of scale: Plot but not neighbourhood tree diversity increases leaf litter ant diversity. Journal of Animal Ecology, 2020, 89, 299-308.	2.8	19
116	Seedling recruitment and facilitation dependence on safe site characteristics in a Himalayan treeline ecotone. Plant Ecology, 2018, 219, 115-132.	1.6	18
117	3D mapping of soil organic carbon content and soil moisture with multiple geophysical sensors and machine learning. Vadose Zone Journal, 2020, 19, e20062.	2.2	18
118	A Comparison of Model Averaging Techniques to Predict the Spatial Distribution of Soil Properties. Remote Sensing, 2022, 14, 472.	4.0	18
119	Multiâ€trophic guilds respond differently to changing elevation in a subtropical forest. Ecography, 2018, 41, 1013-1023.	4.5	17
120	A Comparison of Two Methods for Quantifying Soil Organic Carbon of Alpine Grasslands on the Tibetan Plateau. PLoS ONE, 2015, 10, e0126372.	2.5	16
121	Bacterial community structure in soils of the Tibetan Plateau affected by discontinuous permafrost or seasonal freezing. Biology and Fertility of Soils, 2014, 50, 555-559.	4.3	15
122	Soil organic carbon stocks in permafrost-affected soils in West Greenland. Geoderma, 2016, 282, 147-159.	5.1	15
123	Determining the contribution of environmental factors in controlling dust pollution during cold and warm months of western Iran using different data mining algorithms and game theory. Ecological Indicators, 2021, 132, 108287.	6.3	15
124	Engaging with urban green spaces â€“ A comparison of urban and rural allotment gardens in Southwestern Germany. Urban Forestry and Urban Greening, 2019, 43, 126381.	5.3	14
125	Pioneer biocrust communities prevent soil erosion in temperate forests after disturbances. Biogeosciences, 2022, 19, 3225-3245.	3.3	14
126	Soil erosion in Swaziland: A synthesis. Soil and Tillage Research, 1997, 11, 319-329.	0.4	13

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127	Analysis on pedodiversity and spatial subset representativity-the German soil map 1:1,000,000. Journal of Plant Nutrition and Soil Science, 2009, 172, 91-100.	1.9	13
128	Climate Change and Treeline Dynamics in the Himalaya. , 2016, , 271-306.		13
129	Implications of tree species â€“ environment relationships for the responsiveness of Himalayan krummholz treelines to climate change. Journal of Mountain Science, 2017, 14, 453-473.	2.0	13
130	Land use dynamics derived from colluvial deposits and bogs in the Black Forest, Germany. Journal of Plant Nutrition and Soil Science, 2018, 181, 240-260.	1.9	13
131	The relevant range of scales for multi-scale contextual spatial modelling. Scientific Reports, 2019, 9, 14800.	3.3	13
132	Neolithic settlement dynamics derived from archaeological data and colluvial deposits between the Baar region and the adjacent low mountain ranges, southwest Germany. E&G Quaternary Science Journal, 2019, 68, 75-93.	0.7	13
133	Waterâ€™s path from moss to soil: A multi-methodological study on water absorption and evaporation of soil-moss combinations. Journal of Hydrology and Hydromechanics, 2021, 69, 421-435.	2.0	13
134	Geology, soils and saprolites of the Swaziland Middleveld. Soil and Tillage Research, 1997, 11, 229-246.	0.4	12
135	Assessment of geo-hazards in a rapidly changing landscape: the three Gorges Reservoir Region in China. Environmental Earth Sciences, 2015, 74, 4939-4960.	2.7	12
136	Rule-based analysis of throughfall kinetic energy to evaluate biotic and abiotic factor thresholds to mitigate erosive power. Progress in Physical Geography, 2016, 40, 431-449.	3.2	12
137	Soil cultures – the adaptive cycle of agrarian soil use in Central Europe: an interdisciplinary study using soil scientific and archaeological research. Ecology and Society, 2017, 22, .	2.3	12
138	Comparative Analysis of TMPA and IMERG Precipitation Datasets in the Arid Environment of El-Qaa Plain, Sinai. Remote Sensing, 2021, 13, 588.	4.0	12
139	Middle Bronze Age land use practices in the northwestern Alpine foreland â€“ a multi-proxy study of colluvial deposits, archaeological features and peat bogs. Soil, 2021, 7, 269-304.	4.9	12
140	Spatial variability of soil quality within management zones: Homogeneity and purity of delineated zones. Catena, 2022, 209, 105835.	5.0	12
141	Hydrology and erodibility of the soils and saprolite cover of the Swaziland Middleveld. Soil and Tillage Research, 1997, 11, 247-262.	0.4	11
142	Spatiotemporal Assessment of Soil Organic Carbon Change Using Machine-Learning in Arid Regions. Agronomy, 2022, 12, 628.	3.0	11
143	Microbial iron cycling during palsa hillslope collapse promotes greenhouse gas emissions before complete permafrost thaw. Communications Earth & Environment, 2022, 3, .	6.8	11
144	Components of forest soil CO2 efflux estimated from Î”14C values of soil organic matter. Plant and Soil, 2013, 364, 55-68.	3.7	10

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145	Predicting soil respiration for the Qinghai-Tibet Plateau: An empirical comparison of regression models. Pedobiologia, 2016, 59, 41-49.	1.2	10
146	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.	3.2	10
147	Near surface air temperature lapse rates over complex terrain: a WRF based analysis of controlling factors and processes for the central Himalayas. Climate Dynamics, 2020, 54, 329-349.	3.8	10
148	How Do Newly-Amended Biochar Particles Affect Erodibility and Soil Water Movement?â€"A Small-Scale Experimental Approach. Soil Systems, 2020, 4, 60.	2.6	10
149	Analytic Comparison of Temperature Lapse Rates and Precipitation Gradients in a Himalayan Treeline Environment: Implications for Statistical Downscaling. , 2016, , 49-64.		10
150	Plant identity strongly structures the root-associated fungal community in a diverse subtropical forest. Basic and Applied Ecology, 2021, 55, 98-109.	2.7	9
151	Controlling Soil Erosion Using No-Till Farming Systems. , 2020, , 195-211.		9
152	Soil Erosion and Land Degradation. Soil Systems, 2019, 3, 68.	2.6	8
153	Land Use and Soil Organic Carbon Stocksâ€"Change Detection over Time Using Digital Soil Assessment: A Case Study from Kamyaran Region, Iran (1988â€"2018). Agronomy, 2021, 11, 597.	3.0	8
154	Treeline Responsiveness to Climate Warming: Insights from a Krummholz Treeline in Rolwaling Himal, Nepal. , 2016, , 307-345.		8
155	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. Phytocoenologia, 2017, 47, 197-220.	0.5	8
156	Recent Climate Change over High Asia. , 2016, , 29-48.		7
157	Optimization of Rain Gauge Networks for Arid Regions Based on Remote Sensing Data. Remote Sensing, 2021, 13, 4243.	4.0	7
158	Impact of Climate and Slope Aspects on the Composition of Soil Bacterial Communities Involved in Pedogenetic Processes along the Chilean Coastal Cordillera. Microorganisms, 2022, 10, 847.	3.6	7
159	Morphogenesis and erodibility of soil-saprolite complexes from magmatic rocks in Swaziland (Southern Africa). Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1995, 158, 169-176.	0.4	6
160	A FUZZY RULE BASE APPROACH FOR DEVELOPING A SOIL PROTECTION INDEX MAP: A CASE STUDY in the UPPER AWASH BASIN, ETHIOPIAN HIGHLANDS. Land Degradation and Development, 2014, 25, 483-500.	3.9	6
161	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. Phytocoenologia, 2017, 47, 197-220.	0.5	6
162	Ecological relationships at a near-natural treeline, Rolwaling Valley, Nepal Himalaya: Implications for the sensitivity to climate change. Erdkunde, 2020, 74, 15-44.	0.8	5

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163	Environmental Drivers of Species Composition and Tree Species Density of a Near-Natural Central Himalayan Treeline Ecotone: Consequences for the Response to Climate Change. Sustainable Development Goals Series, 2022, , 349-370.	0.4	5
164	Calibration of Near-Infrared Spectra for Phosphorus Fractions in Grassland Soils on the Tibetan Plateau. Agronomy, 2022, 12, 783.	3.0	5
165	Digital soil mapping in Germanyâ€"a review. Journal of Plant Nutrition and Soil Science, 2007, 170, 181-181.	1.9	4
166	Evaluation of mathematical models for predicting particle size distribution using digital soil mapping in semiarid agricultural lands. Geocarto International, 2022, 37, 13016-13038.	3.5	4
167	Soil erosion and sedimentation in Swaziland: an introduction. Soil and Tillage Research, 1997, 11, 219-228.	0.4	3
168	Removal of short-range-order minerals prior to grain-size analysis of volcanic ash soils. Journal of Plant Nutrition and Soil Science, 2010, 173, 799-804.	1.9	3
169	Soils, landscapes, and cultural concepts of favor and disfavor within complex adaptive systems and ResourceCultures: human-land interactions during the Holocene. Ecology and Society, 2021, 26, .	2.3	3
170	Predictors of the Success of Natural Regeneration in a Himalayan Treeline Ecotone. Forests, 2022, 13, 454.	2.1	3
171	Contextual spatial modelling in the horizontal and vertical domains. Scientific Reports, 2022, 12, .	3.3	3
172	Regional and local scale variations in soil organic carbon stocks in West Greenland. Journal of Plant Nutrition and Soil Science, 2020, 183, 292-305.	1.9	2
173	Latent State Inference in a Spatiotemporal Generative Model. Lecture Notes in Computer Science, 2021, , 384-395.	1.3	2
174	Inferring, Predicting, and Denoising Causal Wave Dynamics. Lecture Notes in Computer Science, 2020, , 566-577.	1.3	2
175	The potential of using satellite-related precipitation data sources in arid regions. , 2022, , 201-237.		1