

# Wilfred Post

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9595087/publications.pdf>

Version: 2024-02-01

69  
papers

13,253  
citations

36303  
51  
h-index

95266  
68  
g-index

69  
all docs

69  
docs citations

69  
times ranked

12731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil carbon sequestration and land-use change: processes and potential. <i>Global Change Biology</i> , 2000, 6, 317-327.	9.5	2,044
2	Soil carbon pools and world life zones. <i>Nature</i> , 1982, 298, 156-159.	27.8	1,879
3	A global analysis of soil microbial biomass carbon, nitrogen and phosphorus in terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2013, 22, 737-749.	5.8	762
4	Influence of climate, soil moisture, and succession on forest carbon and nitrogen cycles. <i>Biogeochemistry</i> , 1986, 2, 3-27.	3.5	618
5	Causes of variation in soil carbon simulations from CMIP5 Earth system models and comparison with observations. <i>Biogeosciences</i> , 2013, 10, 1717-1736.	3.3	593
6	Response of northern forests to CO <sub>2</sub> -induced climate change. <i>Nature</i> , 1988, 334, 55-58.	27.8	583
7	The 2007 Eastern US Spring Freeze: Increased Cold Damage in a Warming World?. <i>BioScience</i> , 2008, 58, 253-262.	4.9	506
8	Global patterns of soil nitrogen storage. <i>Nature</i> , 1985, 317, 613-616.	27.8	416
9	CLIMATE: The Terrestrial Carbon Cycle: Implications for the Kyoto Protocol. <i>Science</i> , 1998, 280, 1393-1394.	12.6	378
10	Phosphorus transformations as a function of pedogenesis: A synthesis of soil phosphorus data using Hedley fractionation method. <i>Biogeosciences</i> , 2011, 8, 2907-2916.	3.3	256
11	Global patterns and controls of soil organic carbon dynamics as simulated by multiple terrestrial biosphere models: Current status and future directions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 775-792.	4.9	241
12	Community assembly and food web stability. <i>Mathematical Biosciences</i> , 1983, 64, 169-192.	1.9	238
13	The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project â€” Part 1: Overview and experimental design. <i>Geoscientific Model Development</i> , 2013, 6, 2121-2133.	3.6	212
14	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. <i>Ecological Modelling</i> , 2012, 232, 144-157.	2.5	207
15	The North American Carbon Program Multi-scale Synthesis and Terrestrial Model Intercomparison Project â€” Part 2: Environmental driver data. <i>Geoscientific Model Development</i> , 2014, 7, 2875-2893.	3.6	207
16	The distribution of soil phosphorus for global biogeochemical modeling. <i>Biogeosciences</i> , 2013, 10, 2525-2537.	3.3	181
17	The role of phosphorus dynamics in tropical forests â€” a modeling study using CLM-CNP. <i>Biogeosciences</i> , 2014, 11, 1667-1681.	3.3	179
18	CLIMATE CONTROLS ON FOREST SOIL C ISOTOPE RATIOS IN THE SOUTHERN APPALACHIAN MOUNTAINS. <i>Ecology</i> , 2000, 81, 1108-1119.	3.2	150

#	ARTICLE	IF	CITATIONS
19	Enhancement of Carbon Sequestration in US Soils. BioScience, 2004, 54, 895.	4.9	138
20	ATMOSPHERE: Plant Respiration in a Warmer World. Science, 2006, 312, 536-537.	12.6	137
21	The use of models to integrate information and understanding of soil C at the regional scale. Geoderma, 1997, 79, 227-260.	5.1	136
22	Temperature-independent diel variation in soil respiration observed from a temperate deciduous forest. Global Change Biology, 2006, 12, 2136-2145.	9.5	134
23	Nitrogen attenuation of terrestrial carbon cycle response to global environmental factors. Global Biogeochemical Cycles, 2009, 23, .	4.9	130
24	Multiple nutrient limitations in ecological models. Ecological Modelling, 1989, 46, 147-163.	2.5	129
25	The Potential Response of Terrestrial Carbon Storage to Changes in Climate and Atmospheric CO <sub>2</sub> . Climatic Change, 1997, 35, 199-227.	3.6	127
26	Reconciling estimates of the contemporary North American carbon balance among terrestrial biosphere models, atmospheric inversions, and a new approach for estimating net ecosystem exchange from inventory-based data. Global Change Biology, 2012, 18, 1282-1299.	9.5	116
27	Microbial dormancy improves development and experimental validation of ecosystem model. ISME Journal, 2015, 9, 226-237.	9.8	113
28	Carbon cycling in soil. Frontiers in Ecology and the Environment, 2004, 2, 522-528.	4.0	111
29	Successional changes in nitrogen availability as a potential factor contributing to spruce declines in boreal North America. Canadian Journal of Forest Research, 1987, 17, 1394-1400.	1.7	108
30	Linkages ? an individual-based forest ecosystem model. Climatic Change, 1996, 34, 253.	3.6	99
31	Integration of nitrogen cycle dynamics into the Integrated Science Assessment Model for the study of terrestrial ecosystem responses to global change. Global Biogeochemical Cycles, 2009, 23, .	4.9	90
32	Carbon Management Response Curves: Estimates of Temporal Soil Carbon Dynamics. Environmental Management, 2004, 33, 507-18.	2.7	85
33	Remote Sensing Evaluation of CLM4 GPP for the Period 2000â€“09*. Journal of Climate, 2012, 25, 5327-5342.	3.2	85
34	Bioenergy crop models: descriptions, data requirements, and future challenges. GCB Bioenergy, 2012, 4, 620-633.	5.6	79
35	Parameter estimation for models of ligninolytic and cellulolytic enzyme kinetics. Soil Biology and Biochemistry, 2012, 48, 28-38.	8.8	77
36	Hierarchical marginal land assessment for land use planning. Land Use Policy, 2013, 30, 106-113.	5.6	76

#	ARTICLE	IF	CITATIONS
37	Long-term modeling of soil C erosion and sequestration at the small watershed scale. Climatic Change, 2007, 80, 73-90.	3.6	75
38	Evaluation of continental carbon cycle simulations with North American flux tower observations. Ecological Monographs, 2013, 83, 531-556.	5.4	75
39	Intra-annual changes in biomass, carbon, and nitrogen dynamics at 4-year old switchgrass field trials in west Tennessee, USA. Agriculture, Ecosystems and Environment, 2010, 136, 177-184.	5.3	72
40	Historical variations in terrestrial biospheric carbon storage. Global Biogeochemical Cycles, 1997, 11, 99-109.	4.9	70
41	Dynamics and comparative statics of mutualistic communities. Journal of Theoretical Biology, 1979, 78, 553-571.	1.7	69
42	RAPID CHANGES IN SOIL CARBON AND STRUCTURAL PROPERTIES DUE TO STOVER REMOVAL FROM NO-TILL CORN PLOTS. Soil Science, 2006, 171, 468-482.	0.9	69
43	Changes in Long-Term No-Till Corn Growth and Yield under Different Rates of Stover Mulch. Agronomy Journal, 2006, 98, 1128-1136.	1.8	68
44	AggModel: A soil organic matter model with measurable pools for use in incubation studies. Ecological Modelling, 2013, 263, 1-9.	2.5	68
45	Strength Properties and Organic Carbon of Soils in the North Appalachian Region. Soil Science Society of America Journal, 2005, 69, 663-673.	2.2	65
46	Organic Carbon Influences on Soil Particle Density and Rheological Properties. Soil Science Society of America Journal, 2006, 70, 1407-1414.	2.2	63
47	Endemic disease in environments with spatially heterogeneous host populations. Mathematical Biosciences, 1983, 63, 289-302.	1.9	61
48	A theoretical reassessment of microbial maintenance and implications for microbial ecology modeling. FEMS Microbiology Ecology, 2012, 81, 610-617.	2.7	60
49	Corn Stover Impacts on Near-Surface Soil Properties of No-Till Corn in Ohio. Soil Science Society of America Journal, 2006, 70, 266-278.	2.2	57
50	North American carbon dioxide sources and sinks: magnitude, attribution, and uncertainty. Frontiers in Ecology and the Environment, 2012, 10, 512-519.	4.0	56
51	Persistence and stability of seed-dispersed species in a patchy environment. Theoretical Population Biology, 1979, 16, 107-125.	1.1	55
52	The Unified North American Soil Map and its implication on the soil organic carbon stock in North America. Biogeosciences, 2013, 10, 2915-2930.	3.3	55
53	A model of herbivore feedback on plant productivity. Mathematical Biosciences, 1986, 79, 171-184.	1.9	54
54	Title is missing!. Biogeochemistry, 1999, 45, 115-145.	3.5	53

#	ARTICLE	IF	CITATIONS
55	The Influence of Naticid Predation on Evolutionary Strategies of Bivalve Prey: Conclusions from a Model. <i>American Naturalist</i> , 1985, 126, 817-842.	2.1	51
56	Mechanical Properties and Organic Carbon of Soil Aggregates in the Northern Appalachians. <i>Soil Science Society of America Journal</i> , 2005, 69, 1472-1481.	2.2	48
57	Ecological modelling and disturbance evaluation. <i>Ecological Modelling</i> , 1985, 29, 399-419.	2.5	42
58	Response of "Alamo" switchgrass tissue chemistry and biomass to nitrogen fertilization in West Tennessee, USA. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 289-297.	5.3	42
59	Soil carbon turnover in a recovering temperate forest. <i>Global Biogeochemical Cycles</i> , 1995, 9, 449-454.	4.9	40
60	Management opportunities for enhancing terrestrial carbon dioxide sinks. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 554-561.	4.0	38
61	Projecting future concentrations of atmospheric CO2 with global carbon cycle models: The importance of simulating historical changes. <i>Environmental Management</i> , 1992, 16, 91-108.	2.7	36
62	Aspects of the interaction between vegetation and soil under global change. <i>Water, Air, and Soil Pollution</i> , 1992, 64, 345-363.	2.4	35
63	Soil Carbon Change and Net Energy Associated with Biofuel Production on Marginal Lands: A Regional Modeling Perspective. <i>Journal of Environmental Quality</i> , 2013, 42, 1802-1814.	2.0	35
64	Studies on enhancing carbon sequestration in soils. <i>Energy</i> , 2004, 29, 1643-1650.	8.8	34
65	Modeling soil respiration and variations in source components using a multi-factor global climate change experiment. <i>Climatic Change</i> , 2011, 107, 459-480.	3.6	33
66	BIOCHEMICALLY PROTECTED SOIL ORGANIC CARBON AT THE NORTH APPALACHIAN EXPERIMENTAL WATERSHED. <i>Soil Science</i> , 2004, 169, 423-433.	0.9	30
67	Evaluation of CLM4 Solar Radiation Partitioning Scheme Using Remote Sensing and Site Level FPAR Datasets. <i>Remote Sensing</i> , 2013, 5, 2857-2882.	4.0	14
68	Climate Change Modeling: Computational Opportunities and Challenges. <i>Computing in Science and Engineering</i> , 2011, 13, 36-42.	1.2	10
69	Resolution of Respect: Jerry S. Olson (1928"2021). <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01879.	0.2	0