

# Wilfred Post

## List of Publications by Year in descending order

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69  
papers

13,253  
citations

41627

51  
h-index

107981

68  
g-index

69  
all docs

69  
docs citations

69  
times ranked

14455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolution of Respect: Jerry S. Olson (1928–2021). <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01879.	0.2	0
2	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.	1.9	241
3	Microbial dormancy improves development and experimental validation of ecosystem model. <i>ISME Journal</i> , 2015, 9, 226-237.	4.4	113
4	The role of phosphorus dynamics in tropical forests – a modeling study using CLM-CNP. <i>Biogeosciences</i> , 2014, 11, 1667-1681.	1.3	179
5	The North American Carbon Program Multi-scale Synthesis and Terrestrial Model Intercomparison Project – Part 2: Environmental driver data. <i>Geoscientific Model Development</i> , 2014, 7, 2875-2893.	1.3	207
6	Evaluation of continental carbon cycle simulations with North American flux tower observations. <i>Ecological Monographs</i> , 2013, 83, 531-556.	2.4	75
7	Hierarchical marginal land assessment for land use planning. <i>Land Use Policy</i> , 2013, 30, 106-113.	2.5	76
8	A global analysis of soil microbial biomass carbon, nitrogen and phosphorus in terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2013, 22, 737-749.	2.7	762
9	AggModel: A soil organic matter model with measurable pools for use in incubation studies. <i>Ecological Modelling</i> , 2013, 263, 1-9.	1.2	68
10	The distribution of soil phosphorus for global biogeochemical modeling. <i>Biogeosciences</i> , 2013, 10, 2525-2537.	1.3	181
11	The Unified North American Soil Map and its implication on the soil organic carbon stock in North America. <i>Biogeosciences</i> , 2013, 10, 2915-2930.	1.3	55
12	The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – Part 1: Overview and experimental design. <i>Geoscientific Model Development</i> , 2013, 6, 2121-2133.	1.3	212
13	Causes of variation in soil carbon simulations from CMIP5 Earth system models and comparison with observations. <i>Biogeosciences</i> , 2013, 10, 1717-1736.	1.3	593
14	Evaluation of CLM4 Solar Radiation Partitioning Scheme Using Remote Sensing and Site Level FPAR Datasets. <i>Remote Sensing</i> , 2013, 5, 2857-2882.	1.8	14
15	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.	1.0	35
16	Remote Sensing Evaluation of CLM4 GPP for the Period 2000–09*. <i>Journal of Climate</i> , 2012, 25, 5327-5342.	1.2	85
17	Management opportunities for enhancing terrestrial carbon dioxide sinks. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 554-561.	1.9	38
18	North American carbon dioxide sources and sinks: magnitude, attribution, and uncertainty. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 512-519.	1.9	56

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19	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. <i>Global Change Biology</i> , 2012, 18, 1282-1299.	4.2	116
20	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. <i>Ecological Modelling</i> , 2012, 232, 144-157.	1.2	207
21	Bioenergy crop models: descriptions, data requirements, and future challenges. <i>GCB Bioenergy</i> , 2012, 4, 620-633.	2.5	79
22	A theoretical reassessment of microbial maintenance and implications for microbial ecology modeling. <i>FEMS Microbiology Ecology</i> , 2012, 81, 610-617.	1.3	60
23	Parameter estimation for models of ligninolytic and cellulolytic enzyme kinetics. <i>Soil Biology and Biochemistry</i> , 2012, 48, 28-38.	4.2	77
24	Phosphorus transformations as a function of pedogenesis: A synthesis of soil phosphorus data using Hedley fractionation method. <i>Biogeosciences</i> , 2011, 8, 2907-2916.	1.3	256
25	Climate Change Modeling: Computational Opportunities and Challenges. <i>Computing in Science and Engineering</i> , 2011, 13, 36-42.	1.2	10
26	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.	2.5	42
27	Modeling soil respiration and variations in source components using a multi-factor global climate change experiment. <i>Climatic Change</i> , 2011, 107, 459-480.	1.7	33
28	Intra-annual changes in biomass, carbon, and nitrogen dynamics at 4-year old switchgrass field trials in west Tennessee, USA. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 177-184.	2.5	72
29	Integration of nitrogen cycle dynamics into the Integrated Science Assessment Model for the study of terrestrial ecosystem responses to global change. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	90
30	Nitrogen attenuation of terrestrial carbon cycle response to global environmental factors. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	130
31	The 2007 Eastern US Spring Freeze: Increased Cold Damage in a Warming World?. <i>BioScience</i> , 2008, 58, 253-262.	2.2	506
32	Long-term modeling of soil C erosion and sequestration at the small watershed scale. <i>Climatic Change</i> , 2007, 80, 73-90.	1.7	75
33	Organic Carbon Influences on Soil Particle Density and Rheological Properties. <i>Soil Science Society of America Journal</i> , 2006, 70, 1407-1414.	1.2	63
34	Corn Stover Impacts on Near-Surface Soil Properties of No-Till Corn in Ohio. <i>Soil Science Society of America Journal</i> , 2006, 70, 266-278.	1.2	57
35	RAPID CHANGES IN SOIL CARBON AND STRUCTURAL PROPERTIES DUE TO STOVER REMOVAL FROM NO-TILL CORN PLOTS. <i>Soil Science</i> , 2006, 171, 468-482.	0.9	69
36	Changes in Long-Term No-Till Corn Growth and Yield under Different Rates of Stover Mulch. <i>Agronomy Journal</i> , 2006, 98, 1128-1136.	0.9	68

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37	Temperature-independent diel variation in soil respiration observed from a temperate deciduous forest. <i>Global Change Biology</i> , 2006, 12, 2136-2145.	4.2	134
38	ATMOSPHERE: Plant Respiration in a Warmer World. <i>Science</i> , 2006, 312, 536-537.	6.0	137
39	Strength Properties and Organic Carbon of Soils in the North Appalachian Region. <i>Soil Science Society of America Journal</i> , 2005, 69, 663-673.	1.2	65
40	Mechanical Properties and Organic Carbon of Soil Aggregates in the Northern Appalachians. <i>Soil Science Society of America Journal</i> , 2005, 69, 1472-1481.	1.2	48
41	Carbon cycling in soil. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 522-528.	1.9	111
42	Carbon Management Response Curves: Estimates of Temporal Soil Carbon Dynamics. <i>Environmental Management</i> , 2004, 33, 507-18.	1.2	85
43	Studies on enhancing carbon sequestration in soils. <i>Energy</i> , 2004, 29, 1643-1650.	4.5	34
44	Enhancement of Carbon Sequestration in US Soils. <i>BioScience</i> , 2004, 54, 895.	2.2	138
45	BIOCHEMICALLY PROTECTED SOIL ORGANIC CARBON AT THE NORTH APPALACHIAN EXPERIMENTAL WATERSHED. <i>Soil Science</i> , 2004, 169, 423-433.	0.9	30
46	Soil carbon sequestration and land-use change: processes and potential. <i>Global Change Biology</i> , 2000, 6, 317-327.	4.2	2,044
47	CLIMATE CONTROLS ON FOREST SOIL C ISOTOPE RATIOS IN THE SOUTHERN APPALACHIAN MOUNTAINS. <i>Ecology</i> , 2000, 81, 1108-1119.	1.5	150
48	Title is missing!. <i>Biogeochemistry</i> , 1999, 45, 115-145.	1.7	53
49	CLIMATE: The Terrestrial Carbon Cycle: Implications for the Kyoto Protocol. <i>Science</i> , 1998, 280, 1393-1394.	6.0	378
50	The use of models to integrate information and understanding of soil C at the regional scale. <i>Geoderma</i> , 1997, 79, 227-260.	2.3	136
51	Historical variations in terrestrial biospheric carbon storage. <i>Global Biogeochemical Cycles</i> , 1997, 11, 99-109.	1.9	70
52	The Potential Response of Terrestrial Carbon Storage to Changes in Climate and Atmospheric CO <sub>2</sub> . <i>Climatic Change</i> , 1997, 35, 199-227.	1.7	127
53	Linkages ? an individual-based forest ecosystem model. <i>Climatic Change</i> , 1996, 34, 253.	1.7	99
54	Soil carbon turnover in a recovering temperate forest. <i>Global Biogeochemical Cycles</i> , 1995, 9, 449-454.	1.9	40

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55	Aspects of the interaction between vegetation and soil under global change. <i>Water, Air, and Soil Pollution</i> , 1992, 64, 345-363.	1.1	35
56	Projecting future concentrations of atmospheric CO <sub>2</sub> with global carbon cycle models: The importance of simulating historical changes. <i>Environmental Management</i> , 1992, 16, 91-108.	1.2	36
57	Multiple nutrient limitations in ecological models. <i>Ecological Modelling</i> , 1989, 46, 147-163.	1.2	129
58	Response of northern forests to CO <sub>2</sub> -induced climate change. <i>Nature</i> , 1988, 334, 55-58.	13.7	583
59	Successional changes in nitrogen availability as a potential factor contributing to spruce declines in boreal North America. <i>Canadian Journal of Forest Research</i> , 1987, 17, 1394-1400.	0.8	108
60	A model of herbivore feedback on plant productivity. <i>Mathematical Biosciences</i> , 1986, 79, 171-184.	0.9	54
61	Influence of climate, soil moisture, and succession on forest carbon and nitrogen cycles. <i>Biogeochemistry</i> , 1986, 2, 3-27.	1.7	618
62	Global patterns of soil nitrogen storage. <i>Nature</i> , 1985, 317, 613-616.	13.7	416
63	The Influence of Naticid Predation on Evolutionary Strategies of Bivalve Prey: Conclusions from a Model. <i>American Naturalist</i> , 1985, 126, 817-842.	1.0	51
64	Ecological modelling and disturbance evaluation. <i>Ecological Modelling</i> , 1985, 29, 399-419.	1.2	42
65	Endemic disease in environments with spatially heterogeneous host populations. <i>Mathematical Biosciences</i> , 1983, 63, 289-302.	0.9	61
66	Community assembly and food web stability. <i>Mathematical Biosciences</i> , 1983, 64, 169-192.	0.9	238
67	Soil carbon pools and world life zones. <i>Nature</i> , 1982, 298, 156-159.	13.7	1,879
68	Dynamics and comparative statics of mutualistic communities. <i>Journal of Theoretical Biology</i> , 1979, 78, 553-571.	0.8	69
69	Persistence and stability of seed-dispersed species in a patchy environment. <i>Theoretical Population Biology</i> , 1979, 16, 107-125.	0.5	55