# Wilfred Post

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 69<br>papers | 13,253<br>citations | 36299<br>51<br>h-index | 95259<br>68<br>g-index |
| 69<br>all docs | 69<br>docs citations | 69<br>times ranked | 12731<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Resolution of Respect: Jerry S. Olson (1928â€“2021). Bulletin of the Ecological Society of America, 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. Global Biogeochemical Cycles, 2015, 29, 775-792. | 4.9 | 241 |
| 3 | Microbial dormancy improves development and experimental validation of ecosystem model. ISME Journal, 2015, 9, 226-237. | 9.8 | 113 |
| 4 | The role of phosphorus dynamics in tropical forests â€“ a modeling study using CLM-CNP. Biogeosciences, 2014, 11, 1667-1681. | 3.3 | 179 |
| 5 | The North American Carbon Program Multi-scale Synthesis and Terrestrial Model Intercomparison Project â€“ Part 2: Environmental driver data. Geoscientific Model Development, 2014, 7, 2875-2893. | 3.6 | 207 |
| 6 | Evaluation of continental carbon cycle simulations with North American flux tower observations. Ecological Monographs, 2013, 83, 531-556. | 5.4 | 75 |
| 7 | Hierarchical marginal land assessment for land use planning. Land Use Policy, 2013, 30, 106-113. | 5.6 | 76 |
| 8 | A global analysis of soil microbial biomass carbon, nitrogen and phosphorus in terrestrial ecosystems. Global Ecology and Biogeography, 2013, 22, 737-749. | 5.8 | 762 |
| 9 | AggModel: A soil organic matter model with measurable pools for use in incubation studies. Ecological Modelling, 2013, 263, 1-9. | 2.5 | 68 |
| 10 | The distribution of soil phosphorus for global biogeochemical modeling. Biogeosciences, 2013, 10, 2525-2537. | 3.3 | 181 |
| 11 | 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 |
| 12 | The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project â€“ Part 1: Overview and experimental design. Geoscientific Model Development, 2013, 6, 2121-2133. | 3.6 | 212 |
| 13 | Causes of variation in soil carbon simulations from CMIP5 Earth system models and comparison with observations. Biogeosciences, 2013, 10, 1717-1736. | 3.3 | 593 |
| 14 | Evaluation of CLM4 Solar Radiation Partitioning Scheme Using Remote Sensing and Site Level FPAR Datasets. Remote Sensing, 2013, 5, 2857-2882. | 4.0 | 14 |
| 15 | Soil Carbon Change and Net Energy Associated with Biofuel Production on Marginal Lands: A Regional Modeling Perspective. Journal of Environmental Quality, 2013, 42, 1802-1814. | 2.0 | 35 |
| 16 | Remote Sensing Evaluation of CLM4 GPP for the Period 2000â€“09*. Journal of Climate, 2012, 25, 5327-5342. | 3.2 | 85 |
| 17 | Management opportunities for enhancing terrestrial carbon dioxide sinks. Frontiers in Ecology and the Environment, 2012, 10, 554-561. | 4.0 | 38 |
| 18 | North American carbon dioxide sources and sinks: magnitude, attribution, and uncertainty. Frontiers in Ecology and the Environment, 2012, 10, 512-519. | 4.0 | 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 inventoryâ€based data. Global Change Biology, 2012, 18, 1282-1299. | 9.5 | 116 |
| 20 | North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. Ecological Modelling, 2012, 232, 144-157. | 2.5 | 207 |
| 21 | Bioenergy crop models: descriptions, data requirements, and future challenges. GCB Bioenergy, 2012, 4, 620-633. | 5.6 | 79 |
| 22 | A theoretical reassessment of microbial maintenance and implications for microbial ecology modeling. FEMS Microbiology Ecology, 2012, 81, 610-617. | 2.7 | 60 |
| 23 | Parameter estimation for models of ligninolytic and cellulolytic enzyme kinetics. Soil Biology and Biochemistry, 2012, 48, 28-38. | 8.8 | 77 |
| 24 | Phosphorus transformations as a function of pedogenesis: A synthesis of soil phosphorus data using Hedley fractionation method. Biogeosciences, 2011, 8, 2907-2916. | 3.3 | 256 |
| 25 | Climate Change Modeling: Computational Opportunities and Challenges. Computing in Science and Engineering, 2011, 13, 36-42. | 1.2 | 10 |
| 26 | Response of â€œAlamoâ€•switchgrass tissue chemistry and biomass to nitrogen fertilization in West Tennessee, USA. Agriculture, Ecosystems and Environment, 2011, 140, 289-297. | 5.3 | 42 |
| 27 | Modeling soil respiration and variations in source components using a multi-factor global climate change experiment. Climatic Change, 2011, 107, 459-480. | 3.6 | 33 |
| 28 | Intra-annual changes in biomass, carbon, and nitrogen dynamics at 4-year old switchgrass field trials in west Tennessee, USAâ˜†. Agriculture, Ecosystems and Environment, 2010, 136, 177-184. | 5.3 | 72 |
| 29 | 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 |
| 30 | Nitrogen attenuation of terrestrial carbon cycle response to global environmental factors. Global Biogeochemical Cycles, 2009, 23, . | 4.9 | 130 |
| 31 | The 2007 Eastern US Spring Freeze: Increased Cold Damage in a Warming World?. BioScience, 2008, 58, 253-262. | 4.9 | 506 |
| 32 | Long-term modeling of soil C erosion and sequestration at the small watershed scale. Climatic Change, 2007, 80, 73-90. | 3.6 | 75 |
| 33 | Organic Carbon Influences on Soil Particle Density and Rheological Properties. Soil Science Society of America Journal, 2006, 70, 1407-1414. | 2.2 | 63 |
| 34 | 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 |
| 35 | 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 |
| 36 | Changes in Longâ€Term Noâ€Till Corn Growth and Yield under Different Rates of Stover Mulch. Agronomy Journal, 2006, 98, 1128-1136. | 1.8 | 68 |

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|---|---|---|---|
| 37 | Temperature-independent diel variation in soil respiration observed from a temperate deciduous forest. Global Change Biology, 2006, 12, 2136-2145. | 9.5 | 134 |
| 38 | ATMOSPHERE: Plant Respiration in a Warmer World. Science, 2006, 312, 536-537. | 12.6 | 137 |
| 39 | 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 |
| 40 | Mechanical Properties and Organic Carbon of Soil Aggregates in the Northern Appalachians. Soil Science Society of America Journal, 2005, 69, 1472-1481. | 2.2 | 48 |
| 41 | Carbon cycling in soil. Frontiers in Ecology and the Environment, 2004, 2, 522-528. | 4.0 | 111 |
| 42 | Carbon Management Response Curves: Estimates of Temporal Soil Carbon Dynamics. Environmental Management, 2004, 33, 507-18. | 2.7 | 85 |
| 43 | Studies on enhancing carbon sequestration in soils. Energy, 2004, 29, 1643-1650. | 8.8 | 34 |
| 44 | Enhancement of Carbon Sequestration in US Soils. BioScience, 2004, 54, 895. | 4.9 | 138 |
| 45 | BIOCHEMICALLY PROTECTED SOIL ORGANIC CARBON AT THE NORTH APPALACHIAN EXPERIMENTAL WATERSHED. Soil Science, 2004, 169, 423-433. | 0.9 | 30 |
| 46 | Soil carbon sequestration and land-use change: processes and potential. Global Change Biology, 2000, 6, 317-327. | 9.5 | 2,044 |
| 47 | CLIMATE CONTROLS ON FOREST SOIL C ISOTOPE RATIOS IN THE SOUTHERN APPALACHIAN MOUNTAINS. Ecology, 2000, 81, 1108-1119. | 3.2 | 150 |
| 48 | Title is missing!. Biogeochemistry, 1999, 45, 115-145. | 3.5 | 53 |
| 49 | CLIMATE: The Terrestrial Carbon Cycle: Implications for the Kyoto Protocol. Science, 1998, 280, 1393-1394. | 12.6 | 378 |
| 50 | The use of models to integrate information and understanding of soil C at the regional scale. Geoderma, 1997, 79, 227-260. | 5.1 | 136 |
| 51 | Historical variations in terrestrial biospheric carbon storage. Global Biogeochemical Cycles, 1997, 11, 99-109. | 4.9 | 70 |
| 52 | The Potential Response of Terrestrial Carbon Storage to Changes in Climate and Atmospheric CO2. Climatic Change, 1997, 35, 199-227. | 3.6 | 127 |
| 53 | Linkages ? an individual-based forest ecosystem model. Climatic Change, 1996, 34, 253. | 3.6 | 99 |
| 54 | Soil carbon turnover in a recovering temperate forest. Global Biogeochemical Cycles, 1995, 9, 449-454. | 4.9 | 40 |

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|---|---|---|---|
| 55 | Aspects of the interaction between vegetation and soil under global change. Water, Air, and Soil Pollution, 1992, 64, 345-363. | 2.4 | 35 |
| 56 | Projecting future concentrations of atmospheric CO2 with global carbon cycle models: The importance of simulating historical changes. Environmental Management, 1992, 16, 91-108. | 2.7 | 36 |
| 57 | Multiple nutrient limitations in ecological models. Ecological Modelling, 1989, 46, 147-163. | 2.5 | 129 |
| 58 | Response of northern forests to CO2-induced climate change. Nature, 1988, 334, 55-58. | 27.8 | 583 |
| 59 | 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 |
| 60 | A model of herbivore feedback on plant productivity. Mathematical Biosciences, 1986, 79, 171-184. | 1.9 | 54 |
| 61 | Influence of climate, soil moisture, and succession on forest carbon and nitrogen cycles. Biogeochemistry, 1986, 2, 3-27. | 3.5 | 618 |
| 62 | Global patterns of soil nitrogen storage. Nature, 1985, 317, 613-616. | 27.8 | 416 |
| 63 | The Influence of Naticid Predation on Evolutionary Strategies of Bivalve Prey: Conclusions from a Model. American Naturalist, 1985, 126, 817-842. | 2.1 | 51 |
| 64 | Ecological modelling and disturbance evaluation. Ecological Modelling, 1985, 29, 399-419. | 2.5 | 42 |
| 65 | Endemic disease in environments with spatially heterogeneous host populations. Mathematical Biosciences, 1983, 63, 289-302. | 1.9 | 61 |
| 66 | Community assembly and food web stability. Mathematical Biosciences, 1983, 64, 169-192. | 1.9 | 238 |
| 67 | Soil carbon pools and world life zones. Nature, 1982, 298, 156-159. | 27.8 | 1,879 |
| 68 | Dynamics and comparative statics of mutualistic communities. Journal of Theoretical Biology, 1979, 78, 553-571. | 1.7 | 69 |
| 69 | Persistence and stability of seed-dispersed species in a patchy environment. Theoretical Population Biology, 1979, 16, 107-125. | 1.1 | 55 |