# Daniel L Mclaughlin

List of Publications by Year
in descending order



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|---|---|---|---|
| 45 papers | 1,746 citations | 331670 21 h-index | 276875 41 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 1661 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Do geographically isolated wetlands influence landscape functions?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1978-1986. | 7.1 | 297 |
| 2 | Enhancing protection for vulnerable waters. Nature Geoscience, 2017, 10, 809-815. | 12.9 | 141 |
| 3 | Geographically isolated wetlands are part of the hydrological landscape. Hydrological Processes, 2016, 30, 153-160. | 2.6 | 127 |
| 4 | Realizing ecosystem services: wetland hydrologic function along a gradient of ecosystem condition. Ecological Applications, 2013, 23, 1619-1631. | 3.8 | 105 |
| 5 | A significant nexus: Geographically isolated wetlands influence landscape hydrology. Water Resources Research, 2014, 50, 7153-7166. | 4.2 | 104 |
| 6 | Integrating geographically isolated wetlands into land management decisions. Frontiers in Ecology and the Environment, 2017, 15, 319-327. | 4.0 | 92 |
| 7 | Depressional wetlands affect watershed hydrological, biogeochemical, and ecological functions. Ecological Applications, 2018, 28, 953-966. | 3.8 | 91 |
| 8 | Analyzing Trade-Offs, Synergies, and Drivers among Timber Production, Carbon Sequestration, and Water Yield in Pinus elliotii Forests in Southeastern USA. Forests, 2014, 5, 1409-1431. | 2.1 | 68 |
| 9 | Managing Forests for Increased Regional Water Yield in the Southeastern U.S. Coastal Plain. Journal of the American Water Resources Association, 2013, 49, 953-965. | 2.4 | 62 |
| 10 | Quantifying spatiotemporal variation in headwater stream length using flow intermittency sensors. Environmental Monitoring and Assessment, 2019, 191, 226. | 2.7 | 54 |
| 11 | Estimating restorable wetland water storage at landscape scales. Hydrological Processes, 2018, 32, 305-313. | 2.6 | 44 |
| 12 | Ecosystem specific yield for estimating evapotranspiration and groundwater exchange from diel surface water variation. Hydrological Processes, 2014, 28, 1495-1506. | 2.6 | 40 |
| 13 | Thermal artifacts in measurements of fineâ€scale water level variation. Water Resources Research, 2011, 47, . | 4.2 | 37 |
| 14 | Drying Rates of Ephemeral Wetlands: Implications for Breeding Amphibians. Wetlands, 2017, 37, 545-557. | 1.5 | 37 |
| 15 | A watershed-scale model for depressional wetland-rich landscapes. Journal of Hydrology X, 2018, 1, 100002. | 1.6 | 31 |
| 16 | The socioecohydrology of rainwater harvesting in India: understanding water storage and release dynamics across spatial scales. Hydrology and Earth System Sciences, 2016, 20, 2629-2647. | 4.9 | 30 |
| 17 | From salamanders to greenhouse gases: does upland management affect wetland functions?. Frontiers in Ecology and the Environment, 2018, 16, 14-19. | 4.0 | 27 |
| 18 | Forested versus herbaceous wetlands: Can management mitigate ecohydrologic regime shifts from invasive emerald ash borer?. Journal of Environmental Management, 2018, 222, 436-446. | 7.8 | 27 |

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|---|---|---|---|
| 19 | Modeling Connectivity of Nonâ€floodplain Wetlands: Insights, Approaches, and Recommendations. Journal of the American Water Resources Association, 2019, 55, 559-577. | 2.4 | 26 |
| 20 | Microtopography is a fundamental organizing structure of vegetation and soil chemistry in black ash wetlands. Biogeosciences, 2020, 17, 901-915. | 3.3 | 25 |
| 21 | Evidence of biogeomorphic patterning in a lowâ€relief karst landscape. Earth Surface Processes and Landforms, 2014, 39, 2027-2037. | 2.5 | 22 |
| 22 | Quantifying wetland microtopography with terrestrial laser scanning. Remote Sensing of Environment, 2019, 232, 111271. | 11.0 | 22 |
| 23 | Vulnerable Waters are Essential to Watershed Resilience. Ecosystems, 2023, 26, 1-28. | 3.4 | 21 |
| 24 | Ecohydrologic processes and soil thickness feedbacks control limestone-weathering rates in a karst landscape. Chemical Geology, 2019, 527, 118774. | 3.3 | 20 |
| 25 | Wetland Connectivity Thresholds and Flow Dynamics From Stage Measurements. Water Resources Research, 2019, 55, 6018-6032. | 4.2 | 19 |
| 26 | Pattern and structure of microtopography implies autogenic origins in forested wetlands. Hydrology and Earth System Sciences, 2019, 23, 5069-5088. | 4.9 | 18 |
| 27 | Hydrologic implications of smoldering fires in wetland landscapes. Freshwater Science, 2015, 34, 1394-1405. | 1.8 | 16 |
| 28 | Selenium Bioaccumulation Across Trophic Levels and Along a Longitudinal Gradient in Headwater Streams. Environmental Toxicology and Chemistry, 2020, 39, 692-704. | 4.3 | 15 |
| 29 | A little relief: Ecological functions and autogenesis of wetland microtopography. Wiley Interdisciplinary Reviews: Water, 2021, 8, . | 6.5 | 14 |
| 30 | Mass balance implies Holocene development of a low-relief karst patterned landscape. Chemical Geology, 2019, 527, 118782. | 3.3 | 13 |
| 31 | Short- and long-term hydrologic controls on smouldering fire in wetland soils. International Journal of Wildland Fire, 2019, 28, 177. | 2.4 | 11 |
| 32 | Impacts to water quality and biota persist in mining-influenced Appalachian streams. Science of the Total Environment, 2020, 717, 137216. | 8.0 | 11 |
| 33 | Linking ecosystem function and hydrologic regime to inform restoration of a forested peatland. Journal of Environmental Management, 2019, 233, 342-351. | 7.8 | 10 |
| 34 | Local Storage Dynamics of Individual Wetlands Predict Wetlandscape Discharge. Water Resources Research, 2020, 56, e2020WR027581. | 4.2 | 9 |
| 35 | The Ecohydrology of a pioneer wetland species and a drastically altered landscape. Ecohydrology, 2012, 5, 656-667. | 2.4 | 8 |
| 36 | Stream phosphorus dynamics of minimally impacted coastal plain watersheds. Hydrological Processes, 2017, 31, 1636-1649. | 2.6 | 8 |

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|---|---|---|---|
| 37 | Hydrologic variability in black ash wetlands: Implications for vulnerability to emerald ash borer. Hydrological Processes, 2021, 35, e14014. | 2.6 | 8 |
| 38 | Remotely-sensed evapotranspiration for informed urban forest management. Landscape and Urban Planning, 2021, 210, 104069. | 7.5 | 7 |
| 39 | A proposed method for estimating interception from near-surface soil moisture response. Hydrology and Earth System Sciences, 2020, 24, 1859-1870. | 4.9 | 6 |
| 40 | Fertilization has negligible effects on nutrient export and stream biota in two North Florida forested watersheds. Forest Ecology and Management, 2020, 465, 118096. | 3.2 | 6 |
| 41 | Red maple dominance and community homogenization in a disturbed forested wetland. Wetlands Ecology and Management, 2021, 29, 599-615. | 1.5 | 6 |
| 42 | Inâ€Situ Quantification and Prediction of Water Yield From Southern US Pine Forests. Water Resources Research, 2022, 58, . | 4.2 | 4 |
| 43 | Installation Matters: Implications for In Situ Water Quality Monitoring. Water Resources Research, 2021, 57, e2020WR028294. | 4.2 | 3 |
| 44 | Comparison of benthic macroinvertebrate assessment methods along a salinity gradient in headwater streams. Environmental Monitoring and Assessment, 2021, 193, 765. | 2.7 | 3 |
| 45 | Estimating effective specific yield in inundated conditions: a comment on a recent application. Ecohydrology, 2014, 7, 1245-1247. | 2.4 | 1 |