# E S Hinckley

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 33 papers | 914 citations | 471061 17 h-index | 476904 29 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 1737 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Aspect control of water movement on hillslopes near the rainâ€“snow transition of the Colorado Front Range. Hydrological Processes, 2014, 28, 74-85. | 1.1 | 97 |
| 2 | NEON terrestrial field observations: designing continentalâ€scale, standardized sampling. Ecosphere, 2012, 3, 1-17. | 1.0 | 74 |
| 3 | Which way do you lean? Using slope aspect variations to understand Critical Zone processes and feedbacks. Earth Surface Processes and Landforms, 2018, 43, 1133-1154. | 1.2 | 70 |
| 4 | Effects of Spatial Variability and Relic DNA Removal on the Detection of Temporal Dynamics in Soil Microbial Communities. MBio, 2020, 11, . | 1.8 | 70 |
| 5 | Introduction to the sampling designs of the <scp>N</scp>ational <scp>E</scp>cological <scp>O</scp>bservatory <scp>N</scp>etwork <scp>T</scp>errestrial <scp>O</scp>bservation <scp>S</scp>ystem. Ecosphere, 2016, 7, e01627. | 1.0 | 67 |
| 6 | A shift in sulfur-cycle manipulation from atmospheric emissions to agricultural additions. Nature Geoscience, 2020, 13, 597-604. | 5.4 | 62 |
| 7 | Rainfall intensification increases nitrate leaching from tilled but not no-till cropping systems in the U.S. Midwest. Agriculture, Ecosystems and Environment, 2020, 290, 106747. | 2.5 | 52 |
| 8 | Frontiers in Ecosystem Ecology from a Community Perspective: The Future is Boundless and Bright. Ecosystems, 2016, 19, 753-770. | 1.6 | 40 |
| 9 | Experimental removal and addition of leaf litter inputs reduces nitrate production and loss in a lowland tropical forest. Biogeochemistry, 2013, 113, 629-642. | 1.7 | 36 |
| 10 | Reductions in the deposition of sulfur and selenium to agricultural soils pose risk of future nutrient deficiencies. Communications Earth & Environment, 2021, 2, . | 2.6 | 35 |
| 11 | Nitrogen retention and transport differ by hillslope aspect at the rainâ€snow transition of the Colorado Front Range. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1281-1296. | 1.3 | 32 |
| 12 | Transformations, transport, and potential unintended consequences of high sulfur inputs to Napa Valley vineyards. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14005-14010. | 3.3 | 25 |
| 13 | Soil-water dynamics and unsaturated storage during snowmelt following wildfire. Hydrology and Earth System Sciences, 2012, 16, 1401-1417. | 1.9 | 23 |
| 14 | The soil and plant biogeochemistry sampling design for The National Ecological Observatory Network. Ecosphere, 2016, 7, e01234. | 1.0 | 21 |
| 15 | Variation in Critical Zone Processes and Architecture across Slope Aspects. Procedia Earth and Planetary Science, 2014, 10, 28-33. | 0.6 | 20 |
| 16 | Optimizing Available Network Resources to Address Questions in Environmental Biogeochemistry. BioScience, 2016, 66, 317-326. | 2.2 | 20 |
| 17 | Evidence for accelerated weathering and sulfate export in high alpine environments. Environmental Research Letters, 2019, 14, 124092. | 2.2 | 20 |
| 18 | Rainfall Intensification Enhances Deep Percolation and Soil Water Content in Tilled and Noâ€Till Cropping Systems of the US Midwest. Vadose Zone Journal, 2018, 17, 1-12. | 1.3 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Remote Sensing-Informed Zonation for Understanding Snow, Plant and Soil Moisture Dynamics within a Mountain Ecosystem. Remote Sensing, 2020, 12, 2733. | 1.8 | 15 |
| 20 | Not all water becomes wine: Sulfur inputs as an opportune tracer of hydrochemical losses from vineyards. Water Resources Research, 2008, 44, . | 1.7 | 14 |
| 21 | Integrating observations and models to determine the effect of seasonally frozen ground on hydrologic partitioning in alpine hillslopes in the Colorado Rocky Mountains, <scp>USA</scp>. Hydrological Processes, 2021, 35, e14374. | 1.1 | 14 |
| 22 | Short-term fates of high sulfur inputs in Northern California vineyard soils. Nutrient Cycling in Agroecosystems, 2011, 89, 135-142. | 1.1 | 13 |
| 23 | Digging Into the World Beneath Our Feet: Bridging Across Scales in the Age of Global Change. Eos, 2014, 95, 96-97. | 0.1 | 13 |
| 24 | The role of physical properties in controlling soil nitrogen cycling across a tundra-forest ecotone of the Colorado Rocky Mountains, U.S.A. Catena, 2020, 186, 104369. | 2.2 | 11 |
| 25 | From Patch to Catchment: A Statistical Framework to Identify and Map Soil Moisture Patterns Across Complex Alpine Terrain. Frontiers in Water, 2020, 2, . | 1.0 | 10 |
| 26 | Critical zone properties control the fate of nitrogen during experimental rainfall in montane forests of the Colorado Front Range. Biogeochemistry, 2017, 132, 213-231. | 1.7 | 7 |
| 27 | The Role of Hyporheic Connectivity in Determining Nitrogen Availability: Insights From an Intermittent Antarctic Stream. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006309. | 1.3 | 7 |
| 28 | Longâ€Term Trends in Acid Precipitation and Watershed Elemental Export From an Alpine Catchment of the Colorado Rocky Mountains, USA. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005683. | 1.3 | 7 |
| 29 | Fates and fingerprints of sulfur and carbon following wildfire in economically important croplands of California, U.S.. Science of the Total Environment, 2021, 750, 142179. | 3.9 | 5 |
| 30 | Synergies Among Environmental Science Research and Monitoring Networks: A Research Agenda. Earth's Future, 2021, 9, e2020EF001631. | 2.4 | 5 |
| 31 | Sulfur isotopes reveal agricultural changes to the modern sulfur cycle. Environmental Research Letters, 2022, 17, 054032. | 2.2 | 4 |
| 32 | Catchmentâ€scale observations at the Niwot Ridge <scp>longâ€term</scp> ecological research site. Hydrological Processes, 2021, 35, e14320. | 1.1 | 3 |
| 33 | Interactions between tall oatgrass invasion and soil nitrogen cycling. Oecologia, 2022, 199, 419-426. | 0.9 | 0 |