# Julia E M S Nabel

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 10,688 citations | 201674 27 h-index | 182427 51 g-index |
| 90 all docs | 90 docs citations | 90 times ranked | 14163 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Are Landâ€Use Change Emissions in Southeast Asia Decreasing or Increasing?. Global Biogeochemical Cycles, 2022, 36, . | 4.9 | 7 |
| 2 | Effects of Increased Drought in Amazon Forests Under Climate Change: Separating the Roles of Canopy Responses and Soil Moisture. Journal of Geophysical Research G: Biogeosciences, 2022, 127, . | 3.0 | 2 |
| 3 | Are Terrestrial Biosphere Models Fit for Simulating the Global Land Carbon Sink?. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 3.8 | 28 |
| 4 | The ICON Earth System Model Version 1.0. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 3.8 | 16 |
| 5 | Assessing Model Predictions of Carbon Dynamics in Global Drylands. Frontiers in Environmental Science, 2022, 10, . | 3.3 | 5 |
| 6 | Investigating the response of leaf area index to droughts in southern African vegetation using observations and model simulations. Hydrology and Earth System Sciences, 2022, 26, 2045-2071. | 4.9 | 5 |
| 7 | Global Carbon Budget 2021. Earth System Science Data, 2022, 14, 1917-2005. | 9.9 | 663 |
| 8 | Plant phenology evaluation of CRESCENDO land surface models â€" Part 1: Start and end of the growing season. Biogeosciences, 2021, 18, 2405-2428. | 3.3 | 19 |
| 9 | Modelled land use and land cover change emissions â€" a spatio-temporal comparison of different approaches. Earth System Dynamics, 2021, 12, 635-670. | 7.1 | 29 |
| 10 | Greening drylands despite warming consistent with carbon dioxide fertilization effect. Global Change Biology, 2021, 27, 3336-3349. | 9.5 | 50 |
| 11 | Linking global terrestrial CO<sub>2</sub> fluxes and environmental drivers: inferences from the Orbiting Carbon ObservatoryÂ2 satellite and terrestrial biospheric models. Atmospheric Chemistry and Physics, 2021, 21, 6663-6680. | 4.9 | 10 |
| 12 | Five years of variability in the global carbon cycle: comparing an estimate from the Orbiting Carbon Observatory-2 and process-based models. Environmental Research Letters, 2021, 16, 054041. | 5.2 | 8 |
| 13 | Bookkeeping estimates of the net land-use change flux â€" a sensitivity study with the CMIP6 land-use dataset. Earth System Dynamics, 2021, 12, 763-782. | 7.1 | 9 |
| 14 | Comparison of uncertainties in land-use change fluxes from bookkeeping model parameterisation. Earth System Dynamics, 2021, 12, 745-762. | 7.1 | 22 |
| 15 | Past and Future Climate Variability Uncertainties in the Global Carbon Budget Using the MPI Grand Ensemble. Global Biogeochemical Cycles, 2021, 35, e2021GB007019. | 4.9 | 7 |
| 16 | Slowdown of the greening trend in natural vegetation with further rise in atmospheric CO<sub>2</sub>. Biogeosciences, 2021, 18, 4985-5010. | 3.3 | 49 |
| 17 | Global and regional drivers of land-use emissions in 1961â€"2017. Nature, 2021, 589, 554-561. | 27.8 | 256 |
| 18 | Assessing the representation of the Australian carbon cycle in global vegetation models. Biogeosciences, 2021, 18, 5639-5668. | 3.3 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Forest production efficiency increases with growth temperature. Nature Communications, 2020, 11, 5322. | 12.8 | 57 |
| 20 | Climateâ€Driven Variability and Trends in Plant Productivity Over Recent Decades Based on Three Global Products. Global Biogeochemical Cycles, 2020, 34, e2020GB006613. | 4.9 | 36 |
| 21 | Comparison of forest aboveâ€ground biomass from dynamic global vegetation models with spatially explicit remotely sensed observationâ€based estimates. Global Change Biology, 2020, 26, 3997-4012. | 9.5 | 25 |
| 22 | Causes of slowingâ€down seasonal CO<sub>2</sub> amplitude at Mauna Loa. Global Change Biology, 2020, 26, 4462-4477. | 9.5 | 14 |
| 23 | Accounting for forest age in the tile-based dynamic global vegetation model JSBACH4 (4.20p7; git) Tj ETQq1 1 0.784314 rgBT /Overlock 185-200. | 3.6 | 16 |
| 24 | Increased control of vegetation on global terrestrial energy fluxes. Nature Climate Change, 2020, 10, 356-362. | 18.8 | 152 |
| 25 | Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. Global Change Biology, 2020, 26, 3336-3355. | 9.5 | 50 |
| 26 | Scaling carbon fluxes from eddy covariance sites to globe: synthesis and evaluation of the FLUXCOM approach. Biogeosciences, 2020, 17, 1343-1365. | 3.3 | 323 |
| 27 | Evaluation of global terrestrial evapotranspiration using state-of-the-art approaches in remote sensing, machine learning and land surface modeling. Hydrology and Earth System Sciences, 2020, 24, 1485-1509. | 4.9 | 130 |
| 28 | Sources of Uncertainty in Regional and Global Terrestrial CO<sub>2</sub> Exchange Estimates. Global Biogeochemical Cycles, 2020, 34, e2019GB006393. | 4.9 | 59 |
| 29 | Evaluating two soil carbon models within the global land surface model JSBACH using surface and spaceborne observations of atmospheric CO<sub>2</sub>. Biogeosciences, 2020, 17, 5721-5743. | 3.3 | 6 |
| 30 | Global Carbon Budget 2020. Earth System Science Data, 2020, 12, 3269-3340. | 9.9 | 1,477 |
| 31 | European anthropogenic AFOLU greenhouse gas emissions: a review and benchmark data. Earth System Science Data, 2020, 12, 961-1001. | 9.9 | 31 |
| 32 | Increased atmospheric vapor pressure deficit reduces global vegetation growth. Science Advances, 2019, 5, eaax1396. | 10.3 | 755 |
| 33 | Contrasting effects of CO<sub>2</sub> fertilization, land-use change and warming on seasonal amplitude of Northern Hemisphere CO<sub>2</sub> exchange. Atmospheric Chemistry and Physics, 2019, 19, 12361-12375. | 4.9 | 30 |
| 34 | Simulating growth-based harvest adaptive to future climate change. Biogeosciences, 2019, 16, 241-254. | 3.3 | 10 |
| 35 | Developments in the MPIâ€M Earth System Model version 1.2 (MPIâ€ESM1.2) and Its Response to Increasing CO<sub>2</sub>. Journal of Advances in Modeling Earth Systems, 2019, 11, 998-1038. | 3.8 | 582 |
| 36 | Global Carbon Budget 2019. Earth System Science Data, 2019, 11, 1783-1838. | 9.9 | 1,159 |

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|---|---|---|---|
| 37 | Quantifying and Comparing Effects of Climate Engineering Methods on the Earth System. Earth's Future, 2018, 6, 149-168. | 6.3 | 15 |
| 38 | Widespread seasonal compensation effects of spring warming on northern plant productivity. Nature, 2018, 562, 110-114. | 27.8 | 240 |
| 39 | Reconciling global-model estimates and country reporting of anthropogenic forest CO2 sinks. Nature Climate Change, 2018, 8, 914-920. | 18.8 | 101 |
| 40 | Impact of the 2015/2016 El NiÃ±o on the terrestrial carbon cycle constrained by bottom-up and top-down approaches. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170304. | 4.0 | 63 |
| 41 | Contrasting interannual atmospheric CO<sub>2</sub> variabilities and their terrestrial mechanisms for two types of El NiÃ±os. Atmospheric Chemistry and Physics, 2018, 18, 10333-10345. | 4.9 | 17 |
| 42 | Global Carbon Budget 2018. Earth System Science Data, 2018, 10, 2141-2194. | 9.9 | 1,167 |
| 43 | Global Carbon Budget 2017. Earth System Science Data, 2018, 10, 405-448. | 9.9 | 801 |
| 44 | Historical carbon dioxide emissions caused by land-use changes are possibly larger than assumed. Nature Geoscience, 2017, 10, 79-84. | 12.9 | 284 |
| 45 | Input-driven versus turnover-driven controls of simulated changes in soil carbon due to land-use change. Environmental Research Letters, 2017, 12, 084015. | 5.2 | 13 |
| 46 | Soil carbon response to land-use change: evaluation of a global vegetation model using observational meta-analyses. Biogeosciences, 2016, 13, 5661-5675. | 3.3 | 29 |
| 47 | Precipitation and carbon-water coupling jointly control the interannual variability of global land gross primary production. Scientific Reports, 2016, 6, 39748. | 3.3 | 57 |
| 48 | Global Carbon Budget 2016. Earth System Science Data, 2016, 8, 605-649. | 9.9 | 905 |
| 49 | Upscaling with the dynamic two-layer classification concept (D2C): TreeMig-2L, an efficient implementation of the forest-landscape model TreeMig. Geoscientific Model Development, 2015, 8, 3563-3577. | 3.6 | 9 |
| 50 | Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396. | 9.9 | 616 |
| 51 | Using dynamic vegetation models to simulate plant range shifts. Ecography, 2014, 37, 1184-1197. | 4.5 | 89 |