

# Katherine Todd-Brown

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3884598/publications.pdf>

Version: 2024-02-01

19  
papers

30,150  
citations

471509

17  
h-index

794594

19  
g-index

36  
all docs

36  
docs citations

36  
times ranked

51646  
citing authors

#	ARTICLE	IF	CITATIONS
1	PLINK: A Tool Set for Whole-Genome Association and Population-Based Linkage Analyses. <i>American Journal of Human Genetics</i> , 2007, 81, 559-575.	6.2	26,761
2	Whole-genome association study of bipolar disorder. <i>Molecular Psychiatry</i> , 2008, 13, 558-569.	7.9	642
3	Causes of variation in soil carbon simulations from CMIP5 Earth system models and comparison with observations. <i>Biogeosciences</i> , 2013, 10, 1717-1736.	3.3	593
4	Future productivity and carbon storage limited by terrestrial nutrient availability. <i>Nature Geoscience</i> , 2015, 8, 441-444.	12.9	529
5	Toward more realistic projections of soil carbon dynamics by Earth system models. <i>Global Biogeochemical Cycles</i> , 2016, 30, 40-56.	4.9	343
6	Explicitly representing soil microbial processes in Earth system models. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1782-1800.	4.9	286
7	Changes in soil organic carbon storage predicted by Earth system models during the 21st century. <i>Biogeosciences</i> , 2014, 11, 2341-2356.	3.3	259
8	A framework for representing microbial decomposition in coupled climate models. <i>Biogeochemistry</i> , 2012, 109, 19-33.	3.5	184
9	Networking our science to characterize the state, vulnerabilities, and management opportunities of soil organic matter. <i>Global Change Biology</i> , 2018, 24, e705-e718.	9.5	92
10	Transient dynamics of terrestrial carbon storage: mathematical foundation and its applications. <i>Biogeosciences</i> , 2017, 14, 145-161.	3.3	91
11	The value of soil respiration measurements for interpreting and modeling terrestrial carbon cycling. <i>Plant and Soil</i> , 2017, 413, 1-25.	3.7	81
12	Strong dependence of CO <sub>2</sub> emissions from anthropogenic land cover change on initial land cover and soil carbon parametrization. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1511-1523.	4.9	63
13	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRad) version 1.0. <i>Earth System Science Data</i> , 2020, 12, 61-76.	9.9	48
14	Responses of two nonlinear microbial models to warming and increased carbon input. <i>Biogeosciences</i> , 2016, 13, 887-902.	3.3	43
15	Transit times and mean ages for nonautonomous and autonomous compartmental systems. <i>Journal of Mathematical Biology</i> , 2016, 73, 1379-1398.	1.9	40
16	Field-warmed soil carbon changes imply high 21st-century modeling uncertainty. <i>Biogeosciences</i> , 2018, 15, 3659-3671.	3.3	38
17	The landscape of soil carbon data: Emerging questions, synergies and databases. <i>Progress in Physical Geography</i> , 2019, 43, 707-719.	3.2	27
18	Soil Organic Carbon Development and Turnover in Natural and Disturbed Salt Marsh Environments. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090287.	4.0	12

#	ARTICLE	IF	CITATIONS
19	Reply to 'Land unlikely to become large carbon source'. Nature Geoscience, 2015, 8, 893-894.	12.9	4