Kees Klein Goldewijk

List of Publications by Year
in descending order

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51 papers	17,506 citations	94269 37 h-index	205818 48 g-index
61 all docs	61 docs citations	61 times ranked	22539 citing authors

#	Article	IF	Citations
1	Global Carbon Budget 2018. Earth System Science Data, 2018, 10, 2141-2194.	3.7	1,167
2	Global Carbon Budget 2019. Earth System Science Data, 2019, 11, 1783-1838.	3.7	1,159
3	Harmonization of land-use scenarios for the period 1500â€“2100: 600Âyears of global gridded annual land-use transitions, wood harvest, and resulting secondary lands. Climatic Change, 2011, 109, 117-161.	1.7	1,080
4	The HYDE 3.1 spatially explicit database of humanâ€induced global landâ€use change over the past 12,000 years. Global Ecology and Biogeography, 2011, 20, 73-86.	2.7	970
5	Global Carbon Budget 2016. Earth System Science Data, 2016, 8, 605-649.	3.7	905
6	Global Carbon Budget 2017. Earth System Science Data, 2018, 10, 405-448.	3.7	801
7	Estimating global land use change over the past 300 years: The HYDE Database. Global Biogeochemical Cycles, 2001, 15, 417-433.	1.9	792
8	RCP2.6: exploring the possibility to keep global mean temperature increase below 2Â°C. Climatic Change, 2011, 109, 95-116.	1.7	759
9	Exploring global changes in nitrogen and phosphorus cycles in agriculture induced by livestock production over the 1900â€“2050 period. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20882-20887.	3.3	742
10	Global Carbon Budget 2021. Earth System Science Data, 2022, 14, 1917-2005.	3.7	663
11	Anthropogenic transformation of the biomes, 1700 to 2000. Global Ecology and Biogeography, 2010, 19, 589-606.	2.7	641
12	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	3.7	616
13	Used planet: A global history. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7978-7985.	3.3	611
14	Anthropogenic land use estimates for the Holocene â€“ HYDE 3.2. Earth System Science Data, 2017, 9, 927-953.	3.7	587
15	Land use/land cover changes and climate: modeling analysis and observational evidence. Wiley Interdisciplinary Reviews: Climate Change, 2011, 2, 828-850.	3.6	585
16	The global carbon budget 1959â€“2011. Earth System Science Data, 2013, 5, 165-185.	3.7	527
17	Global carbon budget 2014. Earth System Science Data, 2015, 7, 47-85.	3.7	463
18	Holocene carbon emissions as a result of anthropogenic land cover change. Holocene, 2011, 21, 775-791.	0.9	452

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19	Harmonization of global land use change and management for the period 850â€“2100 (LUH2) for CMIP6. Geoscientific Model Development, 2020, 13, 5425-5464.	1.3	408
20	People have shaped most of terrestrial nature for at least 12,000 years. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	370
21	Archaeological assessment reveals Earthâ€™s early transformation through land use. Science, 2019, 365, 897-902.	6.0	369
22	Biogeophysical effects of land use on climate: Model simulations of radiative forcing and large-scale temperature change. Agricultural and Forest Meteorology, 2007, 142, 216-233.	1.9	316
23	Global carbon budget 2013. Earth System Science Data, 2014, 6, 235-263.	3.7	311
24	Habitat conversion and global avian biodiversity loss. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1293-1300.	1.2	228
25	Land cover change over the last three centuries due to human activities: The availability of new global data sets. Geo Journal, 2004, 61, 335-344.	1.7	206
26	The PMIP4 contribution to CMIP6 â€“ Part 3: The last millennium, scientific objective, and experimental design for the PMIP4 <i>past1000</i> simulations. Geoscientific Model Development, 2017, 10, 4005-4033.	1.3	155
27	Three Centuries of Global Population Growth: A Spatial Referenced Population (Density) Database for 1700?2000. Population and Environment, 2005, 26, 343-367.	1.3	126
28	Simulated carbon emissions from land-use change are substantially enhanced by accounting for agricultural management. Environmental Research Letters, 2015, 10, 124008.	2.2	103
29	Uncertainties in global-scale reconstructions of historical land use: an illustration using the HYDE data set. Landscape Ecology, 2013, 28, 861-877.	1.9	87
30	Mapping contemporary global cropland and grassland distributions on a 5â€‰Ã—â€‰5 minute resolution. Journal of Land Use Science, 2007, 2, 167-190.	1.0	85
31	Simulating the carbon flux between the terrestrial environment and the atmosphere. Water, Air, and Soil Pollution, 1994, 76, 199-230.	1.1	69
32	The importance of three centuries of land-use change for the global and regional terrestrial carbon cycle. Climatic Change, 2009, 97, 123-144.	1.7	59
33	Anthropogenic Biomes: 10,000 BCE to 2015 CE. Land, 2020, 9, 129.	1.2	50
34	Mapping ecosystem functions and services in Eastern Europe using global-scale data sets. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 156-168.	2.9	49
35	Mapping past human land use using archaeological data: A new classification for global land use synthesis and data harmonization. PLoS ONE, 2021, 16, e0246662.	1.1	47
36	Modeling the global society-biosphere-climate system: Part 2: Computed scenarios. Water, Air, and Soil Pollution, 1994, 76, 37-78.	1.1	42

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37	A virtual water network of the Roman world. Hydrology and Earth System Sciences, 2014, 18, 5025-5040.	1.9	40
38	Early anthropogenic CH₄ emissions and the variation of CH₄ and ¹³CH₄ over the last millennium. Global Biogeochemical Cycles, 2008, 22, .	1.9	39
39	Land-use harmonization datasets for annual global carbon budgets. Earth System Science Data, 2021, 13, 4175-4189.	3.7	37
40	Development and testing scenarios for implementing land use and land cover changes during the Holocene in Earth system model experiments. Geoscientific Model Development, 2020, 13, 805-824.	1.3	36
41	A multi-data assessment of land use and land cover emissions from Brazil during 2000â€“2019. Environmental Research Letters, 2021, 16, 074004.	2.2	33
42	Global rules for translating land-use change (LUH2) to land-cover change for CMIP6 using GLM2. Geoscientific Model Development, 2020, 13, 3203-3220.	1.3	31
43	Per-capita estimations of long-term historical land use and the consequences for global change research. Journal of Land Use Science, 0, , .	1.0	27
44	Correction for Bouwman et al., Exploring global changes in nitrogen and phosphorus cycles in agriculture induced by livestock production over the 1900-2050 period. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21195-21195.	3.3	20
45	The Importance of Feedback Processes and Vegetation Transition in the Terrestrial Carbon Cycle. Journal of Biogeography, 1995, 22, 805.	1.4	18
46	Systems Models of Terrestrial Carbon Cycling. , 1995, , 129-151.		4
47	Overview of IMAGE 2.0: An integrated model of climate change and the global environment. Studies in Environmental Science, 1995, 65, 1395-1399.	0.0	2
48	Footprints from the past: Blueprint for the future?. Geophysical Monograph Series, 2004, , 203-215.	0.1	1
49	Land-Use Issues. , 2013, , 555-568.		1
50	Uncovering the past: multidisciplinary research on historic land cover and land use. Past Global Change Magazine, 2016, 24, 81-81.	0.4	1
51	Historical Change in Anthromes. , 2020, , 12-21.		0