Kimberly M Carlson

List of Publications by Year
in descending order

34 papers	6,729 citations	257357 24 h-index	377752 34 g-index
39 all docs	39 docs citations	39 times ranked	9239 citing authors

#	Article	IF	Citations
1	Options for keeping the food system within environmental limits. Nature, 2018, 562, 519-525.	13.7	1,709
2	The Global Methane Budget 2000–2017. Earth System Science Data, 2020, 12, 1561-1623.	3.7	1,199
3	Leverage points for improving global food security and the environment. Science, 2014, 345, 325-328.	6.0	584
4	Greenhouse gas emissions intensity of global croplands. Nature Climate Change, 2017, 7, 63-68.	8.1	414
5	Committed carbon emissions, deforestation, and community land conversion from oil palm plantation expansion in West Kalimantan, Indonesia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7559-7564.	3.3	351
6	Carbon emissions from forest conversion by Kalimantan oil palm plantations. Nature Climate Change, 2013, 3, 283-287.	8.1	346
7	The role of supply-chain initiatives in reducing deforestation. Nature Climate Change, 2018, 8, 109-116.	8.1	286
8	Effect of oil palm sustainability certification on deforestation and fire in Indonesia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 121-126.	3.3	218
9	Rethinking Agricultural Trade Relationships in an Era of Globalization. BioScience, 2015, 65, 275-289.	2.2	179
10	Multiple pathways of commodity crop expansion in tropical forest landscapes. Environmental Research Letters, 2014, 9, 074012.	2.2	160
11	Hyperspectral Remote Sensing of Canopy Biodiversity in Hawaiian Lowland Rainforests. Ecosystems, 2007, 10, 536-549.	1.6	158
12	Progress towards sustainable intensification in China challenged by land-use change. Nature Sustainability, 2018, 1, 304-313.	11.5	151
13	The environmental impacts of palm oil in context. Nature Plants, 2020, 6, 1418-1426.	4.7	133
14	Spatially explicit estimates of N_2O emissions from croplands suggest climate mitigation opportunities from improved fertilizer management. Global Change Biology, 2016, 22, 3383-3394.	4.2	112
15	Criteria for effective zero-deforestation commitments. Global Environmental Change, 2019, 54, 135-147.	3.6	105
16	Modeling relationships between water table depth and peat soil carbon loss in Southeast Asian plantations. Environmental Research Letters, 2015, 10, 074006.	2.2	101
17	Vegetation–Climate Interactions among Native and Invasive Species in Hawaiian Rainforest. Ecosystems, 2006, 9, 1106-1117.	1.6	57
18	Influence of watershed–climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1110-1128.	1.3	51

#	ARTICLE	IF	CITATIONS
19	Assessing the potential additionality of certification by the Round table on Responsible Soybeans and the Roundtable on Sustainable Palm Oil. Environmental Research Letters, 2016, 11, 045003.	2.2	48
20	Circular labor migration and land-livelihood dynamics in Southeast Asia's concession landscapes. Journal of Rural Studies, 2020, 73, 21-33.	2.1	47
21	Impact of palm oil sustainability certification on village well-being and poverty in Indonesia. Nature Sustainability, 2021, 4, 109-119.	11.5	43
22	Deforestation spillovers from oil palm sustainability certification. Environmental Research Letters, 2020, 15, 075002.	2.2	36
23	Voluntary sustainability standards could significantly reduce detrimental impacts of global agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2130-2137.	3.3	31
24	Increasing farm size to improve energy use efficiency and sustainability in maize production. Food and Energy Security, 2021, 10, e271.	2.0	30
25	Biomass burning drives atmospheric nutrient redistribution within forested peatlands in Borneo. Environmental Research Letters, 2016, 11, 085003.	2.2	24
26	Testing the benefits of conservation setâ€asides for improved habitat connectivity in tropical agricultural landscapes. Journal of Applied Ecology, 2019, 56, 2274-2285.	1.9	22
27	Managing fire risk during drought: the influence of certification and El NiÃ±o on fire-driven forest conversion for oil palm in Southeast Asia. Earth System Dynamics, 2017, 8, 749-771.	2.7	21
28	Reconciling Canopy Interception Parameterization and Rainfall Forcing Frequency in the Community Land Model for Simulating Evapotranspiration of Rainforests and Oil Palm Plantations in Indonesia. Journal of Advances in Modeling Earth Systems, 2019, 11, 732-751.	1.3	21
29	Does oil palm certification create trade-offs between environment and development in Indonesia?. Environmental Research Letters, 2020, 15, 124064.	2.2	20
30	Refined carbon accounting for oil palm agriculture: disentangling potential contributions of indirect emissions and smallholder farmers. Carbon Management, 2013, 4, 347-349.	1.2	13
31	Policy perils of ignoring uncertainty in oil palm research. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E218; author reply E219.	3.3	10
32	Mapping and Monitoring Zero-Deforestation Commitments. BioScience, 2021, 71, 1079-1090.	2.2	10
33	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 812-817.	1.3	3
34	Automated Plantation Mapping in Southeast Asia Using MODIS Data and Imperfect Visual Annotations. Remote Sensing, 2020, 12, 636.	1.8	3