

# Kimberly M Carlson

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

3,975  
citations

21  
h-index

39  
g-index

39  
ext. papers

5,351  
ext. citations

10.9  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
36	Options for keeping the food system within environmental limits. <i>Nature</i> , <b>2018</b> , 562, 519-525	50.4	925
35	The Global Methane Budget 2000-2017. <i>Earth System Science Data</i> , <b>2020</b> , 12, 1561-1623	10.5	463
34	Leverage points for improving global food security and the environment. <i>Science</i> , <b>2014</b> , 345, 325-8	33.3	420
33	Committed carbon emissions, deforestation, and community land conversion from oil palm plantation expansion in West Kalimantan, Indonesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 7559-64	11.5	289
32	Carbon emissions from forest conversion by Kalimantan oil palm plantations. <i>Nature Climate Change</i> , <b>2013</b> , 3, 283-287	21.4	278
31	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , <b>2017</b> , 7, 63-68	21.4	229
30	The role of supply-chain initiatives in reducing deforestation. <i>Nature Climate Change</i> , <b>2018</b> , 8, 109-116	21.4	191
29	Rethinking Agricultural Trade Relationships in an Era of Globalization. <i>BioScience</i> , <b>2015</b> , 65, 275-289	5.7	142
28	Effect of oil palm sustainability certification on deforestation and fire in Indonesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 121-126	11.5	140
27	Hyperspectral Remote Sensing of Canopy Biodiversity in Hawaiian Lowland Rainforests. <i>Ecosystems</i> , <b>2007</b> , 10, 536-549	3.9	138
26	Multiple pathways of commodity crop expansion in tropical forest landscapes. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 074012	6.2	129
25	Spatially explicit estimates of N <sub>2</sub> O emissions from croplands suggest climate mitigation opportunities from improved fertilizer management. <i>Global Change Biology</i> , <b>2016</b> , 22, 3383-94	11.4	77
24	Progress towards sustainable intensification in China challenged by land-use change. <i>Nature Sustainability</i> , <b>2018</b> , 1, 304-313	22.1	71
23	Modeling relationships between water table depth and peat soil carbon loss in Southeast Asian plantations. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 074006	6.2	65
22	Criteria for effective zero-deforestation commitments. <i>Global Environmental Change</i> , <b>2019</b> , 54, 135-147	10.1	57
21	Vegetation-Climate Interactions among Native and Invasive Species in Hawaiian Rainforest. <i>Ecosystems</i> , <b>2006</b> , 9, 1106-1117	3.9	46
20	The environmental impacts of palm oil in context. <i>Nature Plants</i> , <b>2020</b> , 6, 1418-1426	11.5	43

19	Assessing the potential additionality of certification by the Round table on Responsible Soybeans and the Roundtable on Sustainable Palm Oil. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 045003	6.2	40
18	Influence of watershed-climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 1110-1128	3.7	39
17	Deforestation spillovers from oil palm sustainability certification. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 075002	6.2	23
16	Circular labor migration and land-livelihood dynamics in Southeast Asia w/concession landscapes. <i>Journal of Rural Studies</i> , <b>2020</b> , 73, 21-33	4.2	22
15	The Global Methane Budget 2000-2017		19
14	Biomass burning drives atmospheric nutrient redistribution within forested peatlands in Borneo. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 085003	6.2	19
13	Managing fire risk during drought: the influence of certification and El Niño on fire-driven forest conversion for oil palm in Southeast Asia. <i>Earth System Dynamics</i> , <b>2017</b> , 8, 749-771	4.8	16
12	Voluntary sustainability standards could significantly reduce detrimental impacts of global agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2130-2137	11.5	13
11	Testing the benefits of conservation set-asides for improved habitat connectivity in tropical agricultural landscapes. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 2274-2285	5.8	12
10	Reconciling Canopy Interception Parameterization and Rainfall Forcing Frequency in the Community Land Model for Simulating Evapotranspiration of Rainforests and Oil Palm Plantations in Indonesia. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 732-751	7.1	12
9	Impact of palm oil sustainability certification on village well-being and poverty in Indonesia. <i>Nature Sustainability</i> , <b>2021</b> , 4, 109-119	22.1	11
8	Policy perils of ignoring uncertainty in oil palm research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E218; author reply E219	11.5	10
7	Does oil palm certification create trade-offs between environment and development in Indonesia?. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 124064	6.2	9
6	Increasing farm size to improve energy use efficiency and sustainability in maize production. <i>Food and Energy Security</i> , <b>2021</b> , 10, e271	4.1	6
5	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2015</b> , 120, 812-817	3.7	3
4	Environmental Impacts of Tropical Soybean and Palm Oil Crops		3
3	The environmental impacts of palm oil in context		2
2	Automated Plantation Mapping in Southeast Asia Using MODIS Data and Imperfect Visual Annotations. <i>Remote Sensing</i> , <b>2020</b> , 12, 636	5	1

1 Mapping and Monitoring Zero-Deforestation Commitments. *BioScience*, **2021**, 71, 1079-1090

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