

# Paul C West

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1928085/paul-c-west-publications-by-year.pdf>

**Version:** 2023-06-06

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

50  
papers

12,148  
citations

31  
h-index

51  
g-index

51  
ext. papers

14,929  
ext. citations

10.5  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
50	Is domestic agricultural production sufficient to meet national food nutrient needs in Brazil?. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251778	3.6	1
49	Articulating the effect of food systems innovation on the Sustainable Development Goals. <i>Lancet Planetary Health, The</i> , <b>2021</b> , 5, e50-e62	9	48
48	Innovation can accelerate the transition towards a sustainable food system. <i>Nature Food</i> , <b>2020</b> , 1, 266-274	12.1	121
47	Climate adaptation by crop migration. <i>Nature Communications</i> , <b>2020</b> , 11, 1243	16.9	67
46	Automated Plantation Mapping in Southeast Asia Using MODIS Data and Imperfect Visual Annotations. <i>Remote Sensing</i> , <b>2020</b> , 12, 636	4.8	1
45	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	11.1	13
44	Climate change has likely already affected global food production. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217148	3.6	225
43	Assessing land use/cover dynamics and exploring drivers in the Amazon's arc of deforestation through a hierarchical, multi-scale and multi-temporal classification approach. <i>Remote Sensing Applications: Society and Environment</i> , <b>2019</b> , 15, 100233	2.7	7
42	Pathways for recent Cerrado soybean expansion: extending the soy moratorium and implementing integrated crop livestock systems with soybeans. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 044029	6.1	16
41	Determining the value of ecosystem services in agriculture <b>2019</b> , 60-89		1
40	Mapping global development potential for renewable energy, fossil fuels, mining and agriculture sectors. <i>Scientific Data</i> , <b>2019</b> , 6, 101	8	36
39	The vulnerabilities of agricultural land and food production to future water scarcity. <i>Global Environmental Change</i> , <b>2019</b> , 58, 101944	9.9	60
38	Redesigning Planning, Governance, and Policies to Achieve Multiple Sustainable Development Goals. <i>One Earth</i> , <b>2019</b> , 1, 303-304	7.7	3
37	Plantation Mapping in Southeast Asia. <i>Frontiers in Big Data</i> , <b>2019</b> , 2, 46	2.8	1
36	Increasing importance of precipitation variability on global livestock grazing lands. <i>Nature Climate Change</i> , <b>2018</b> , 8, 214-218	21.1	99
35	Balancing tradeoffs: Reconciling multiple environmental goals when ecosystem services vary regionally. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 064008	6.1	10
34	Progress towards sustainable intensification in China challenged by land-use change. <i>Nature Sustainability</i> , <b>2018</b> , 1, 304-313	21.8	71

33	A framework for priority-setting in climate smart agriculture research. <i>Agricultural Systems</i> , <b>2018</b> , 167, 161-175	6	48
32	Uncertainties of potentials and recent changes in global yields of major crops resulting from census- and satellite-based yield datasets at multiple resolutions. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203809	3.6	25
31	Farming and the geography of nutrient production for human use: a transdisciplinary analysis. <i>Lancet Planetary Health, The</i> , <b>2017</b> , 1, e33-e42	9	188
30	Predict Land Covers with Transition Modeling and Incremental Learning <b>2017</b> , 171-179		6
29	Incremental Dual-memory LSTM in Land Cover Prediction <b>2017</b> ,		18
28	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , <b>2017</b> , 7, 63-68	21.1	229
27	Reducing emissions from agriculture to meet the 2°C target. <i>Global Change Biology</i> , <b>2016</b> , 22, 3859-3864	11.2	203
26	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , <b>2016</b> , 22, 1008-282		403
25	Environmental health impacts of feeding crops to farmed fish. <i>Environment International</i> , <b>2016</b> , 91, 201-14.8	14.8	84
24	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	11.2	77
23	Subnational distribution of average farm size and smallholder contributions to global food production. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 124010	6.1	197
22	Learning large-scale plantation mapping from imperfect annotators <b>2016</b> ,		9
21	Rethinking Agricultural Trade Relationships in an Era of Globalization. <i>BioScience</i> , <b>2015</b> , 65, 275-289	5.6	142
20	Biogeochemical cycles and biodiversity as key drivers of ecosystem services provided by soils. <i>Soil</i> , <b>2015</b> , 1, 665-685	5.7	188
19	Degradation in carbon stocks near tropical forest edges. <i>Nature Communications</i> , <b>2015</b> , 6, 10158	16.9	105
18	Climate variation explains a third of global crop yield variability. <i>Nature Communications</i> , <b>2015</b> , 6, 5989	16.9	745
17	A World at Risk: Aggregating Development Trends to Forecast Global Habitat Conversion. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138334	3.6	35
16	Leverage points for improving global food security and the environment. <i>Science</i> , <b>2014</b> , 345, 325-8	32.2	420

15	A tradeoff frontier for global nitrogen use and cereal production. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 054002	6.1	80
14	Feeding the World and Protecting Biodiversity <b>2013</b> , 426-434		4
13	Redefining agricultural yields: from tonnes to people nourished per hectare. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 034015	6.1	338
12	Yield Trends Are Insufficient to Double Global Crop Production by 2050. <i>PLoS ONE</i> , <b>2013</b> , 8, e66428	3.6	1598
11	Recent patterns of crop yield growth and stagnation. <i>Nature Communications</i> , <b>2012</b> , 3, 1293	16.9	821
10	Toward Principles for Enhancing the Resilience of Ecosystem Services. <i>Annual Review of Environment and Resources</i> , <b>2012</b> , 37, 421-448	17.1	632
9	Solutions for a cultivated planet. <i>Nature</i> , <b>2011</b> , 478, 337-42	47.5	4351
8	An alternative approach for quantifying climate regulation by ecosystems. <i>Frontiers in Ecology and the Environment</i> , <b>2011</b> , 9, 126-133	5.4	56
7	A Simple, Minimal Parameter Model for Predicting the Influence of Changing Land Cover on the Land-Atmosphere System+. <i>Earth Interactions</i> , <b>2011</b> , 15, 1-32	1.4	15
6	Reply to Vermeulen and Wollenberg: Distinguishing food security and crop yields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E31-E31	11.1	78
5	Trading carbon for food: global comparison of carbon stocks vs. crop yields on agricultural land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19645-8	11.1	228
4	Preparing for the future: teaching scenario planning at the graduate level. <i>Frontiers in Ecology and the Environment</i> , <b>2010</b> , 8, 267-273	5.4	29
3	Intuitive simulation, querying, and visualization for river basin policy and management. <i>IBM Journal of Research and Development</i> , <b>2009</b> , 53, 7:1-7:18	2.3	2
2	The Nature Conservancy's approach to conserving and rehabilitating biological diversity in the Upper Mississippi River system. <i>Large Rivers</i> , <b>2003</b> , 15, 549-560		2
1	Principle 1 Maintain diversity and redundancy50-79		12