

James S Gerber

List of Publications by Year in Descending Order

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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.

17
papers

7,766
citations

15
h-index

18
g-index

18
ext. papers

9,476
ext. citations

16.5
avg, IF

5.5
L-index

#	Paper	IF	Citations
17	Global irrigation contribution to wheat and maize yield. <i>Nature Communications</i> , 2021 , 12, 1235	17.4	11
16	Innovation can accelerate the transition towards a sustainable food system. <i>Nature Food</i> , 2020 , 1, 266-272	14.4	121
15	Climate adaptation by crop migration. <i>Nature Communications</i> , 2020 , 11, 1243	17.4	67
14	Assessment of yield gaps on global grazed-only permanent pasture using climate binning. <i>Global Change Biology</i> , 2020 , 26, 1820-1832	11.4	4
13	Climate change has likely already affected global food production. <i>PLoS ONE</i> , 2019 , 14, e0217148	3.7	225
12	Mapping global development potential for renewable energy, fossil fuels, mining and agriculture sectors. <i>Scientific Data</i> , 2019 , 6, 101	8.2	36
11	Increasing importance of precipitation variability on global livestock grazing lands. <i>Nature Climate Change</i> , 2018 , 8, 214-218	21.4	99
10	An attainable global vision for conservation and human well-being. <i>Frontiers in Ecology and the Environment</i> , 2018 , 16, 563-570	5.5	51
9	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , 2017 , 7, 63-68	21.4	229
8	Nitrogen use in the global food system: past trends and future trajectories of agronomic performance, pollution, trade, and dietary demand. <i>Environmental Research Letters</i> , 2016 , 11, 095007	6.2	151
7	A World at Risk: Aggregating Development Trends to Forecast Global Habitat Conversion. <i>PLoS ONE</i> , 2015 , 10, e0138334	3.7	35
6	Leverage points for improving global food security and the environment. <i>Science</i> , 2014 , 345, 325-8	33.3	420
5	A tradeoff frontier for global nitrogen use and cereal production. <i>Environmental Research Letters</i> , 2014 , 9, 054002	6.2	80
4	Redefining agricultural yields: from tonnes to people nourished per hectare. <i>Environmental Research Letters</i> , 2013 , 8, 034015	6.2	338
3	Closing yield gaps through nutrient and water management. <i>Nature</i> , 2012 , 490, 254-7	50.4	1529
2	Solutions for a cultivated planet. <i>Nature</i> , 2011 , 478, 337-42	50.4	4351
1	Quantification of global and national nitrogen budgets for crop production. <i>Nature Food</i> ,	14.4	19

