James S Gerber

List of Publications by Citations

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