

Will Steffen

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.

32
papers

23,860
citations

27
h-index

33
g-index

33
ext. papers

29,241
ext. citations

14.8
avg. IF

6.47
L-index

#	Paper	IF	Citations
32	The Earth System, the Great Acceleration and the Anthropocene 2022 , 15-32		2
31	The Anthropocene: Comparing Its Meaning in Geology (Chronostratigraphy) with Conceptual Approaches Arising in Other Disciplines. <i>Earth's Future</i> , 2021 , 9, e2020EF001896	7.9	28
30	Our future in the Anthropocene biosphere. <i>Ambio</i> , 2021 , 50, 834-869	6.5	78
29	Current and future threats to human health in the Anthropocene. <i>Environment International</i> , 2021 , 158, 106892	12.9	5
28	The Water Planetary Boundary: Interrogation and Revision. <i>One Earth</i> , 2020 , 2, 223-234	8.1	43
27	The emergence and evolution of Earth System Science. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 54-63	30.2	98
26	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. <i>Water Resources Research</i> , 2020 , 56, e2019WR024957	5.4	42
25	Human impacts on planetary boundaries amplified by Earth system interactions. <i>Nature Sustainability</i> , 2020 , 3, 119-128	22.1	108
24	Extraordinary human energy consumption and resultant geological impacts beginning around 1950 CE initiated the proposed Anthropocene Epoch. <i>Communications Earth & Environment</i> , 2020 , 1,	6.1	44
23	A formal Anthropocene is compatible with but distinct from its diachronous anthropogenic counterparts: a response to W.F. Ruddiman's three flaws in defining a formal Anthropocene. <i>Progress in Physical Geography</i> , 2019 , 43, 319-333	3.5	22
22	Climate tipping points - too risky to bet against. <i>Nature</i> , 2019 , 575, 592-595	50.4	521
21	Policy design for the Anthropocene. <i>Nature Sustainability</i> , 2019 , 2, 14-21	22.1	105
20	Planetary Boundaries: Separating Fact from Fiction. A Response to Montoya et al. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 233-234	10.9	15
19	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. <i>Earth-Science Reviews</i> , 2018 , 178, 379-429	10.2	101
18	Trajectories of the Earth System in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8252-8259	11.5	1184
17	Making the case for a formal Anthropocene Epoch: an analysis of ongoing critiques. <i>Newsletters on Stratigraphy</i> , 2017 , 50, 205-226	2.9	66
16	Re-conceptualizing the Anthropocene: A call for collaboration. <i>Global Environmental Change</i> , 2016 , 39, 318-327	10.1	157

15	The Anthropocene is functionally and stratigraphically distinct from the Holocene. <i>Science</i> , 2016 , 351, aad2622	33.3	1050
14	Plausible and desirable futures in the Anthropocene: A new research agenda. <i>Global Environmental Change</i> , 2016 , 39, 351-362	10.1	298
13	Stratigraphic and Earth System approaches to defining the Anthropocene. <i>Earth's Future</i> , 2016 , 4, 324-345	4.9	106
12	The trajectory of the Anthropocene: The Great Acceleration. <i>Infrastructure Asset Management</i> , 2015 , 2, 81-98	1.8	1396
11	Colonization of the Americas, Little Ice Age climate, and bomb-produced carbon: Their role in defining the Anthropocene. <i>Infrastructure Asset Management</i> , 2015 , 2, 117-127	1.8	48
10	Sustainability. Planetary boundaries: guiding human development on a changing planet. <i>Science</i> , 2015 , 347, 1259855	33.3	4597
9	When did the Anthropocene begin? A mid-twentieth century boundary level is stratigraphically optimal. <i>Quaternary International</i> , 2015 , 383, 196-203	2	357
8	Policy: Sustainable development goals for people and planet. <i>Nature</i> , 2013 , 495, 305-7	50.4	1536
7	The topology of non-linear global carbon dynamics: from tipping points to planetary boundaries. <i>Environmental Research Letters</i> , 2013 , 8, 044048	6.2	36
6	The anthropocene: from global change to planetary stewardship. <i>Ambio</i> , 2011 , 40, 739-61	6.5	892
5	Planetary Boundaries: Exploring the Safe Operating Space for Humanity. <i>Ecology and Society</i> , 2009 , 14,	4.1	2588
4	A safe operating space for humanity. <i>Nature</i> , 2009 , 461, 472-5	50.4	6399
3	The Anthropocene: are humans now overwhelming the great forces of Nature?. <i>Ambio</i> , 2007 , 36, 614-216.5	16.5	1665
2	Human modification of global water vapor flows from the land surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7612-7	11.5	264
1	A planetary boundary for green water. <i>Nature Reviews Earth & Environment</i> ,	30.2	6