

# Colin Goldblatt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6535475/publications.pdf>

Version: 2024-02-01

30  
papers

1,981  
citations

361413

20  
h-index

454955

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-enhanced greenhouse warming on early Earth. <i>Nature Geoscience</i> , 2009, 2, 891-896.	12.9	247
2	Bistability of atmospheric oxygen and the Great Oxidation. <i>Nature</i> , 2006, 443, 683-686.	27.8	243
3	A PATCHY CLOUD MODEL FOR THE L TO T DWARF TRANSITION. <i>Astrophysical Journal Letters</i> , 2010, 723, L117-L121.	8.3	164
4	The nitrogen budget of Earth. <i>Earth-Science Reviews</i> , 2015, 148, 150-173.	9.1	148
5	The Astrobiology Primer v2.0. <i>Astrobiology</i> , 2016, 16, 561-653.	3.0	133
6	Low simulated radiation limit for runaway greenhouse climates. <i>Nature Geoscience</i> , 2013, 6, 661-667.	12.9	126
7	Tidal Venuses: Triggering a Climate Catastrophe via Tidal Heating. <i>Astrobiology</i> , 2013, 13, 225-250.	3.0	124
8	The runaway greenhouse: implications for future climate change, geoengineering and planetary atmospheres. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 4197-4216.	3.4	84
9	Timing of Neoproterozoic glaciations linked to transport-limited global weathering. <i>Nature Geoscience</i> , 2011, 4, 861-864.	12.9	83
10	DIFFERENCES IN WATER VAPOR RADIATIVE TRANSFER AMONG 1D MODELS CAN SIGNIFICANTLY AFFECT THE INNER EDGE OF THE HABITABLE ZONE. <i>Astrophysical Journal</i> , 2016, 826, 222.	4.5	68
11	Radiative forcing at high concentrations of well-mixed greenhouse gases. <i>Geophysical Research Letters</i> , 2014, 41, 152-160.	4.0	65
12	Clouds and the Faint Young Sun Paradox. <i>Climate of the Past</i> , 2011, 7, 203-220.	3.4	61
13	Venus as a Laboratory for Exoplanetary Science. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2015-2028.	3.6	59
14	Faint young Sun paradox remains. <i>Nature</i> , 2011, 474, E1-E1.	27.8	56
15	A 1D microphysical cloud model for Earth, and Earth-like exoplanets: Liquid water and water ice clouds in the convective troposphere. <i>Icarus</i> , 2012, 221, 603-616.	2.5	56
16	Methane bursts as a trigger for intermittent lake-forming climates on post-Noachian Mars. <i>Nature Geoscience</i> , 2017, 10, 737-740.	12.9	49
17	Habitability of Waterworlds: Runaway Greenhouses, Atmospheric Expansion, and Multiple Climate States of Pure Water Atmospheres. <i>Astrobiology</i> , 2015, 15, 362-370.	3.0	38
18	Using raindrops to constrain past atmospheric density. <i>Earth and Planetary Science Letters</i> , 2015, 413, 51-58.	4.4	33

#	ARTICLE	IF	CITATIONS
19	EarthN: A New Earth System Nitrogen Model. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2516-2542.	2.5	30
20	Radiative forcings for 28 potential Archean greenhouse gases. <i>Climate of the Past</i> , 2014, 10, 1779-1801.	3.4	25
21	The Eons of Chaos and Hades. <i>Solid Earth</i> , 2010, 1, 1-3.	2.8	19
22	An evaluation of the longwave radiative transfer code used in the Met Office Unified Model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 619-633.	2.7	17
23	Diminished greenhouse warming from Archean methane due to solar absorption lines. <i>Climate of the Past</i> , 2015, 11, 559-570.	3.4	12
24	Earth's long-term climate stabilized by clouds. <i>Nature Geoscience</i> , 2021, 14, 143-150.	12.9	9
25	The Effect of Ocean Salinity on Climate and Its Implications for Earth's Habitability. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
26	Measurement of geologic nitrogen using mass spectrometry, colorimetry, and a newly adapted fluorometry technique. <i>Solid Earth</i> , 2017, 8, 307-318.	2.8	7
27	The Palaeoclimate and Terrestrial Exoplanet Radiative Transfer Model Intercomparison Project (PALAEOTRIP): experimental design and protocols. <i>Geoscientific Model Development</i> , 2017, 10, 3931-3940.	3.6	4
28	Evidence for Radiative-Convective Bistability in Tropical Atmospheres. <i>Geophysical Research Letters</i> , 2018, 45, 10,673-10,681.	4.0	4
29	Atmospheric Evolution. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1-15.	0.1	1
30	Atmospheric Evolution. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 62-76.	0.1	1