

# Brendan Byrne

## List of Publications by Year in descending order

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18  
papers

371  
citations

759233

12  
h-index

839539

18  
g-index

36  
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36  
docs citations

36  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	China's Terrestrial Carbon Sink Over 2010–2015 Constrained by Satellite Observations of Atmospheric CO <sub>2</sub> and Land Surface Variables. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	8
2	On the role of atmospheric model transport uncertainty in estimating the Chinese land carbon sink. <i>Nature</i> , 2022, 603, E13-E14.	27.8	21
3	The 2019 methane budget and uncertainties at 1° resolution and each country through Bayesian integration Of GOSAT total column methane data and a priori inventory estimates. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6811-6841.	4.9	24
4	Correlation between paddy rice growth and satellite-observed methane column abundance does not imply causation. <i>Nature Communications</i> , 2021, 12, 1163.	12.8	5
5	Quantifying the Impact of the COVID-19 Pandemic Restrictions on CO, CO <sub>2</sub> , and CH <sub>4</sub> in Downtown Toronto Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere</i> , 2021, 12, 848.	2.3	5
6	Comment on “Recent global decline of CO <sub>2</sub> fertilization effects on vegetation photosynthesis”. <i>Science</i> , 2021, 373, eabg2947.	12.6	18
7	The Carbon Cycle of Southeast Australia During 2019–2020: Drought, Fires, and Subsequent Recovery. <i>AGU Advances</i> , 2021, 2, .	5.4	21
8	Contrasting Regional Carbon Cycle Responses to Seasonal Climate Anomalies Across the East–West Divide of Temperate North America. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006598.	4.9	12
9	Improved Constraints on Northern Extratropical CO <sub>2</sub> Fluxes Obtained by Combining Surface–Based and Space–Based Atmospheric CO <sub>2</sub> Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032029.	3.3	26
10	Cropland Carbon Uptake Delayed and Reduced by 2019 Midwest Floods. <i>AGU Advances</i> , 2020, 1, e2019AV000140.	5.4	41
11	Monitoring Urban Greenhouse Gases Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere - Ocean</i> , 2020, 58, 25-45.	1.6	10
12	On what scales can GOSAT flux inversions constrain anomalies in terrestrial ecosystems?. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13017-13035.	4.9	13
13	Evaluating GPP and Respiration Estimates Over Northern Midlatitude Ecosystems Using Solar–Induced Fluorescence and Atmospheric CO <sub>2</sub> Measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2976-2997.	3.0	21
14	A comparison of posterior atmospheric CO <sub>2</sub> adjustments obtained from in situ and GOSAT constrained flux inversions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12011-12044.	4.9	8
15	Sensitivity of CO <sub>2</sub> surface flux constraints to observational coverage. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6672-6694.	3.3	24
16	Diminished greenhouse warming from Archean methane due to solar absorption lines. <i>Climate of the Past</i> , 2015, 11, 559-570.	3.4	12
17	Radiative forcings for 28 potential Archean greenhouse gases. <i>Climate of the Past</i> , 2014, 10, 1779-1801.	3.4	25
18	Radiative forcing at high concentrations of well-mixed greenhouse gases. <i>Geophysical Research Letters</i> , 2014, 41, 152-160.	4.0	65