

Brendan Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

371
citations

759233

12
h-index

839539

18
g-index

36
all docs

36
docs citations

36
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative forcing at high concentrations of well-mixed greenhouse gases. <i>Geophysical Research Letters</i> , 2014, 41, 152-160.	4.0	65
2	Cropland Carbon Uptake Delayed and Reduced by 2019 Midwest Floods. <i>AGU Advances</i> , 2020, 1, e2019AV000140.	5.4	41
3	Improved Constraints on Northern Extratropical CO ₂ Fluxes Obtained by Combining Surface-Based and Space-Based Atmospheric CO ₂ Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032029.	3.3	26
4	Radiative forcings for 28 potential Archean greenhouse gases. <i>Climate of the Past</i> , 2014, 10, 1779-1801.	3.4	25
5	Sensitivity of CO ₂ surface flux constraints to observational coverage. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6672-6694.	3.3	24
6	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
7	Evaluating GPP and Respiration Estimates Over Northern Midlatitude Ecosystems Using Solar-Induced Fluorescence and Atmospheric CO ₂ Measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2976-2997.	3.0	21
8	The Carbon Cycle of Southeast Australia During 2019-2020: Drought, Fires, and Subsequent Recovery. <i>AGU Advances</i> , 2021, 2, .	5.4	21
9	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
10	Comment on "Recent global decline of CO ₂ fertilization effects on vegetation photosynthesis". <i>Science</i> , 2021, 373, eabg2947.	12.6	18
11	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
12	Diminished greenhouse warming from Archean methane due to solar absorption lines. <i>Climate of the Past</i> , 2015, 11, 559-570.	3.4	12
13	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
14	Monitoring Urban Greenhouse Gases Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere - Ocean</i> , 2020, 58, 25-45.	1.6	10
15	A comparison of posterior atmospheric CO ₂ adjustments obtained from in situ and GOSAT constrained flux inversions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12011-12044.	4.9	8
16	China's Terrestrial Carbon Sink Over 2010-2015 Constrained by Satellite Observations of Atmospheric CO ₂ and Land Surface Variables. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	8
17	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
18	Quantifying the Impact of the COVID-19 Pandemic Restrictions on CO, CO ₂ , and CH ₄ in Downtown Toronto Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere</i> , 2021, 12, 848.	2.3	5