

Jennifer Anne Burney

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,889
citations

236612

25
h-index

182168

51
g-index

57
all docs

57
docs citations

57
times ranked

5210
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse gas mitigation by agricultural intensification. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12052-12057.	3.3	835
2	Global and regional drivers of land-use emissions in 1961â€“2017. Nature, 2021, 589, 554-561.	13.7	256
3	Recent climate and air pollution impacts on Indian agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16319-16324.	3.3	246
4	The changing risk and burden of wildfire in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	238
5	Robust relationship between air quality and infant mortality in Africa. Nature, 2018, 559, 254-258.	13.7	230
6	Technoâ€“ecological synergies of solar energy for global sustainability. Nature Sustainability, 2019, 2, 560-568.	11.5	187
7	Smallholder Irrigation as a Poverty Alleviation Tool in Sub-Saharan Africa. World Development, 2012, 40, 110-123.	2.6	182
8	Solar-powered drip irrigation enhances food security in the Sudanoâ€“Sahel. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1848-1853.	3.3	179
9	The potential for land sparing to offset greenhouse gas emissions from agriculture. Nature Climate Change, 2016, 6, 488-492.	8.1	177
10	The COVID-19 lockdowns: a window into the Earth System. Nature Reviews Earth & Environment, 2020, 1, 470-481.	12.2	153
11	The case for distributed irrigation as a development priority in sub-Saharan Africa. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12513-12517.	3.3	129
12	Real-Time Assessment of Black Carbon Pollution in Indian Households Due to Traditional and Improved Biomass Cookstoves. Environmental Science & Technology, 2012, 46, 2993-3000.	4.6	107
13	Estimating global agricultural effects of geoengineering using volcanic eruptions. Nature, 2018, 560, 480-483.	13.7	107
14	Land-use emissions embodied in international trade. Science, 2022, 376, 597-603.	6.0	61
15	Exposures and behavioural responses to wildfire smoke. Nature Human Behaviour, 2022, 6, 1351-1361.	6.2	60
16	Impacts of ozone and climate change on yields of perennial crops in California. Nature Food, 2020, 1, 166-172.	6.2	59
17	Association Between Womenâ€™s Empowerment and Maternal and Child Nutrition in KalaÃ© District of Northern Benin. Food and Nutrition Bulletin, 2017, 38, 302-318.	0.5	55
18	Climate change adaptation strategies for smallholder farmers in the Brazilian SertÃ£o. Climatic Change, 2014, 126, 45-59.	1.7	51

#	ARTICLE	IF	CITATIONS
19	The downstream air pollution impacts of the transition from coal to natural gas in the United States. <i>Nature Sustainability</i> , 2020, 3, 152-160.	11.5	49
20	Prevalence of anaemia, deficiencies of iron and vitamin A and their determinants in rural women and young children: a cross-sectional study in KalalÃ© district of northern Benin. <i>Public Health Nutrition</i> , 2017, 20, 1203-1213.	1.1	42
21	Characterization of Groundwater Recharge and Flow in California's San Joaquin Valley From InSARâ€Observed Surface Deformation. <i>Water Resources Research</i> , 2021, 57, e2020WR028451.	1.7	42
22	Solar-Powered Drip Irrigation Impacts on Crops Production Diversity and Dietary Diversity in Northern Benin. <i>Food and Nutrition Bulletin</i> , 2016, 37, 164-175.	0.5	41
23	Widespread Race and Class Disparities in Surface Urban Heat Extremes Across the United States. <i>Earth's Future</i> , 2021, 9, e2021EF002016.	2.4	39
24	Dust pollution from the Sahara and African infant mortality. <i>Nature Sustainability</i> , 2020, 3, 863-871.	11.5	33
25	Using Crowd-Sourced Data to Assess the Temporal and Spatial Relationship between Indoor and Outdoor Particulate Matter. <i>Environmental Science & Technology</i> , 2021, 55, 6107-6115.	4.6	33
26	Methods for attributing land-use emissions to products. <i>Carbon Management</i> , 2014, 5, 233-245.	1.2	31
27	High Spatial Resolution Visual Band Imagery Outperforms Medium Resolution Spectral Imagery for Ecosystem Assessment in the Semi-Arid Brazilian SertÃ£o. <i>Remote Sensing</i> , 2017, 9, 1336.	1.8	24
28	Impact of a rural solar electrification project on the level and structure of womenâ€™s empowerment. <i>Environmental Research Letters</i> , 2017, 12, 095007.	2.2	22
29	Cleaner air has contributed one-fifth of US maize and soybean yield gains since 1999. <i>Environmental Research Letters</i> , 2021, 16, 074049.	2.2	21
30	Globally ubiquitous negative effects of nitrogen dioxide on crop growth. <i>Science Advances</i> , 2022, 8, .	4.7	21
31	Transition-edge sensor arrays for UV-optical-IR astrophysics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 559, 525-527.	0.7	16
32	Epidemiological and Clinical Features of Kawasaki Disease During the COVID-19 Pandemic in the United States. <i>JAMA Network Open</i> , 2022, 5, e2217436.	2.8	16
33	Cookstoves illustrate the need for a comprehensive carbon market. <i>Environmental Research Letters</i> , 2015, 10, 084026.	2.2	13
34	Drivers and projections of global surface temperature anomalies at the local scale. <i>Environmental Research Letters</i> , 2021, 16, 064093.	2.2	13
35	Disparate air pollution reductions during Californiaâ€™s COVID-19 economic shutdown. <i>Nature Sustainability</i> , 2022, 5, 509-517.	11.5	13
36	Getting serious about the new realities of global climate change. <i>Bulletin of the Atomic Scientists</i> , 2013, 69, 49-57.	0.2	12

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37	Ecosystem Services Mapping for Sustainable Agricultural Water Management in California's Central Valley. <i>Environmental Science & Technology</i> , 2017, 51, 2593-2601.	4.6	12
38	The impact of a Solar Market Garden programme on dietary diversity, women's nutritional status and micronutrient levels in Kalalã district of northern Benin. <i>Public Health Nutrition</i> , 2019, 22, 2670-2681.	1.1	10
39	Fine-scale spatiotemporal variation in subsidence across California's San Joaquin Valley explained by groundwater demand. <i>Environmental Research Letters</i> , 2020, 15, 104083.	2.2	10
40	Temperature-driven harvest decisions amplify US winter wheat loss under climate warming. <i>Global Change Biology</i> , 2021, 27, 550-562.	4.2	9
41	The adaptive benefits of agricultural water markets in California. <i>Environmental Research Letters</i> , 2021, 16, 044036.	2.2	9
42	Development and characterization of a TES optical imaging array for astrophysics applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 520, 533-536.	0.7	6
43	Improving production and quality of life for smallholder farmers through a climate resilience program: An experience in the Brazilian Sertão. <i>PLoS ONE</i> , 2021, 16, e0251531.	1.1	6
44	The optical imaging TES detector array: Considerations for a cryogenic imaging instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 559, 506-508.	0.7	4
45	Assessing the productivity and profitability of the Solar Market Garden. <i>Development Engineering</i> , 2018, 3, 60-71.	1.4	4
46	Pilot of a mobile money school fee payment system in rural Benin. <i>PLoS ONE</i> , 2018, 13, e0198240.	1.1	3
47	Cognition impact of sand and dust storms highlights future research needs?. <i>Lancet Planetary Health</i> , The, 2018, 2, e196-e197.	5.1	3
48	Climate resilience programmes and technical efficiency: evidence from the smallholder dairy farmers in the Brazilian semi-arid region. <i>Climate and Development</i> , 2022, 14, 197-207.	2.2	3
49	Transition Edge Cameras for Fast Optical Spectrophotometry. , 2008, , 311-325.		2
50	Development of superconducting transition edge sensors for time- and energy-resolved single-photon counters with application to imaging astronomy. , 2003, 5209, 192.		1
51	Paris Agreement's Ambiguity About Aerosols Drives Uncertain Health and Climate Outcomes. <i>Earth's Future</i> , 2021, 9, e2020EF001787.	2.4	1