

Nancy H F French

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3539418/publications.pdf>

Version: 2024-02-01

54
papers

4,040
citations

147566
31
h-index

168136
53
g-index

56
all docs

56
docs citations

56
times ranked

4672
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloud-to-Ground Lightning and Near-Surface Fire Weather Control Wildfire Occurrence in Arctic Tundra. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	12
2	A Comparison of Multitemporal Airborne Laser Scanning Data and the Fuel Characteristics Classification System for Estimating Fuel Load and Consumption. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
3	Using wildland fire smoke modeling data in gerontological health research (California, 2007-2018). <i>Science of the Total Environment</i> , 2022, 838, 156403.	3.9	4
4	Consequences of a future increase in fire: The human health perspective. <i>One Earth</i> , 2021, 4, 487-488.	3.6	2
5	Quantifying how sources of uncertainty in combustible biomass propagate to prediction of wildland fire emissions. <i>International Journal of Wildland Fire</i> , 2020, 29, 793.	1.0	11
6	Quantifying surface severity of the 2014 and 2015 fires in the Great Slave Lake area of Canada. <i>International Journal of Wildland Fire</i> , 2020, 29, 892.	1.0	7
7	Mapping Modeled Exposure of Wildland Fire Smoke for Human Health Studies in California. <i>Atmosphere</i> , 2019, 10, 308.	1.0	23
8	The Fire and Smoke Model Evaluation Experiment—A Plan for Integrated, Large Fire—Atmosphere Field Campaigns. <i>Atmosphere</i> , 2019, 10, 66.	1.0	53
9	Next-Generation Biomass Mapping for Regional Emissions and Carbon Inventories: Incorporating Uncertainty in Wildland Fuel Characterization. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3699-3716.	1.3	23
10	Fire behaviour and smoke modelling: model improvement and measurement needs for next-generation smoke research and forecasting systems. <i>International Journal of Wildland Fire</i> , 2019, 28, 570.	1.0	40
11	Development of the WRF-CO2 4D-Var assimilation system v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1725-1752.	1.3	14
12	The San Diego 2007 wildfires and Medi-Cal emergency department presentations, inpatient hospitalizations, and outpatient visits: An observational study of smoke exposure periods and a bidirectional case-crossover analysis. <i>PLoS Medicine</i> , 2018, 15, e1002601.	3.9	97
13	Fire disturbance effects on land surface albedo in Alaskan tundra. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 841-854.	1.3	25
14	Fire in arctic tundra of Alaska: past fire activity, future fire potential, and significance for land management and ecology. <i>International Journal of Wildland Fire</i> , 2015, 24, 1045.	1.0	53
15	Modeling Regional-Scale Wildland Fire Emissions with the Wildland Fire Emissions Information System*. <i>Earth Interactions</i> , 2014, 18, 1-26.	0.7	27
16	Santa Ana winds and predictors of wildfire progression in southern California. <i>International Journal of Wildland Fire</i> , 2014, 23, 1119.	1.0	22
17	Development of Methods for Detection and Monitoring of Fire Disturbance in the Alaskan Tundra Using a Two-Decade Long Record of Synthetic Aperture Radar Satellite Images. <i>Remote Sensing</i> , 2014, 6, 6347-6364.	1.8	19
18	Mapping fire extent and burn severity in Alaskan tussock tundra: An analysis of the spectral response of tundra vegetation to wildland fire. <i>Remote Sensing of Environment</i> , 2013, 134, 194-209.	4.6	61

#	ARTICLE	IF	CITATIONS
19	Impact of aging mechanism on model simulated carbonaceous aerosols. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6329-6343.	1.9	43
20	Modeling acute respiratory illness during the 2007 San Diego wildland fires using a coupled emissions-transport system and generalized additive modeling. <i>Environmental Health</i> , 2013, 12, 94.	1.7	42
21	Impacts of disturbance on the terrestrial carbon budget of North America. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 303-316.	1.3	57
22	Burned area mapping time series in Canada (1984-1999) from NOAA-AVHRR LTDR: A comparison with other remote sensing products and fire perimeters. <i>Remote Sensing of Environment</i> , 2012, 117, 407-414.	4.6	42
23	National database for calculating fuel available to wildfires. <i>Eos</i> , 2012, 93, 57-58.	0.1	13
24	Model comparisons for estimating carbon emissions from North American wildland fire. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	112
25	Vulnerability of high-latitude soil organic carbon in North America to disturbance. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	337
26	Quantifying burned area for North American forests: Implications for direct reduction of carbon stocks. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
27	Using Landsat data to assess fire and burn severity in the North American boreal forest region: an overview and summary of results. <i>International Journal of Wildland Fire</i> , 2008, 17, 443.	1.0	276
28	Evaluation of the composite burn index for assessing fire severity in Alaskan black spruce forests. <i>International Journal of Wildland Fire</i> , 2008, 17, 515.	1.0	133
29	Evaluating the potential of Landsat TM/ETM+ imagery for assessing fire severity in Alaskan black spruce forests. <i>International Journal of Wildland Fire</i> , 2008, 17, 500.	1.0	100
30	Climate-induced boreal forest change: Predictions versus current observations. <i>Global and Planetary Change</i> , 2007, 56, 274-296.	1.6	619
31	Influences of boreal fire emissions on Northern Hemisphere atmospheric carbon and carbon monoxide. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	1.9	227
32	AVHRR-based mapping of fires in Russia: New products for fire management and carbon cycle studies. <i>Remote Sensing of Environment</i> , 2004, 93, 546-564.	4.6	224
33	Uncertainty in estimating carbon emissions from boreal forest fires. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	147
34	Postfire response of North American boreal forest net primary productivity analyzed with satellite observations. <i>Global Change Biology</i> , 2003, 9, 1145-1157.	4.2	147
35	Variability in the emission of carbon-based trace gases from wildfire in the Alaskan boreal forest. <i>Journal of Geophysical Research</i> , 2003, 108, FFR 7-1.	3.3	72
36	Using Remote Sensing to Assess Russian Forest Fire Carbon Emissions. <i>Climatic Change</i> , 2002, 55, 235-249.	1.7	93

#	ARTICLE	IF	CITATIONS
37	Detection of vegetation change using reconnaissance imagery. <i>Global Change Biology</i> , 2001, 7, 247-252.	4.2	30
38	Direct Effects of Fire on the Boreal Forest Carbon Budget. <i>Advances in Global Change Research</i> , 2000, , 51-68.	1.6	12
39	Controls on Patterns of Biomass Burning in Alaskan Boreal Forests. <i>Ecological Studies</i> , 2000, , 173-196.	0.4	52
40	Influence of Fire on Long-Term Patterns of Forest Succession in Alaskan Boreal Forests. <i>Ecological Studies</i> , 2000, , 214-235.	0.4	16
41	Characteristics of Forest Ecozones in the North American Boreal Region. <i>Ecological Studies</i> , 2000, , 258-273.	0.4	6
42	Historical Fire Records in the North American Boreal Forest. <i>Ecological Studies</i> , 2000, , 274-288.	0.4	35
43	Using Visible and Near-Infrared Satellite Imagery to Monitor Boreal Forests. <i>Ecological Studies</i> , 2000, , 312-330.	0.4	2
44	Carbon Release from Fires in the North American Boreal Forest. <i>Ecological Studies</i> , 2000, , 377-388.	0.4	34
45	Using Satellite Data to Monitor Fire-Related Processes in Boreal Forests. <i>Ecological Studies</i> , 2000, , 406-422.	0.4	7
46	Monitoring Boreal Forests by Using Imaging Radars. <i>Ecological Studies</i> , 2000, , 331-346.	0.4	0
47	Initial Observations of Radarsat Imagery at Fire-Disturbed Sites in Interior Alaska. <i>Remote Sensing of Environment</i> , 1999, 68, 89-94.	4.6	44
48	Locating and estimating the areal extent of wildfires in alaskan boreal forests using multiple-season AVHRR NDVI composite data. <i>Remote Sensing of Environment</i> , 1995, 51, 263-275.	4.6	193
49	Sensitivity of ERS-1 and JERS-1 radar data to biomass and stand structure in Alaskan boreal forest. <i>Remote Sensing of Environment</i> , 1995, 54, 247-260.	4.6	103
50	Monitoring Seasonal Variations in Boreal Ecosystems Using Multi-Temporal Spaceborne SAR Data. <i>Canadian Journal of Remote Sensing</i> , 1995, 21, 96-109.	1.1	19
51	Estimating release of carbon from 1990 and 1991 forest fires in Alaska. <i>Journal of Geophysical Research</i> , 1995, 100, 2941.	3.3	77
52	Observations of variations in ERS-1 SAR image intensity associated with forest fires in Alaska. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1994, 32, 206-210.	2.7	60
53	Monitoring of wildfires in Boreal Forests using large area AVHRR NDVI composite image data. <i>Remote Sensing of Environment</i> , 1993, 45, 61-71.	4.6	128
54	Remote Sensing for Mapping and Modeling of Land-Based Carbon Flux and Storage. , 0, , 95-143.		1