

Ritesh Gautam

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,700
citations

279798

23
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

2908
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane emissions in the United States, Canada, and Mexico: evaluation of national methane emission inventories and 2010–2017 sectoral trends by inverse analysis of in situ (GLOBALVIEWplus) Tj ETQq1 1 0.784314 rgBT /Overlock 101 Atmospheric Chemistry and Physics, 2022, 22, 395-418.	4.9	25
2	Developing a long-term high-resolution winter fog climatology over south Asia using satellite observations from 2002 to 2020. Remote Sensing of Environment, 2022, 279, 113128.	11.0	7
3	Detection of delay in post-monsoon agricultural burning across Punjab, India: potential drivers and consequences for air quality. Environmental Research Letters, 2021, 16, 014014.	5.2	15
4	A new measurement approach for validating satellite-based above-cloud aerosol optical depth. Atmospheric Measurement Techniques, 2021, 14, 1405-1423.	3.1	1
5	Concurrent variation in oil and gas methane emissions and oil price during the COVID-19 pandemic. Atmospheric Chemistry and Physics, 2021, 21, 6605-6626.	4.9	55
6	Unravelling a large methane emission discrepancy in Mexico using satellite observations. Remote Sensing of Environment, 2021, 260, 112461.	11.0	49
7	Quantifying methane emissions from the largest oil-producing basin in the United States from space. Science Advances, 2020, 6, eaaz5120.	10.3	155
8	Strengthened Indian Summer Monsoon Precipitation Susceptibility Linked to Dust-Induced Ice Cloud Modification. Geophysical Research Letters, 2019, 46, 8431-8441.	4.0	10
9	Developing an Aircraft-Based Angular Distribution Model of Solar Reflection from Wildfire Smoke to Aid Satellite-Based Radiative Flux Estimation. Remote Sensing, 2019, 11, 1509.	4.0	1
10	Connecting Crop Productivity, Residue Fires, and Air Quality over Northern India. Scientific Reports, 2019, 9, 16594.	3.3	133
11	Missing emissions from post-monsoon agricultural fires in northwestern India: regional limitations of MODIS burned area and active fire products. Environmental Research Communications, 2019, 1, 011007.	2.3	35
12	Satellite-Observed Changes in Mexico's Offshore Gas Flaring Activity Linked to Oil/Gas Regulations. Geophysical Research Letters, 2019, 46, 1879-1888.	4.0	32
13	Air Pollution in the Hindu Kush Himalaya. , 2019, , 339-387.		31
14	Study of aerosol direct and indirect effects and auto-conversion processes over the West African monsoon region using a regional climate model. Advances in Atmospheric Sciences, 2018, 35, 182-194.	4.3	10
15	Urban Heat Island Over Delhi Punches Holes in Widespread Fog in the Indo-Gangetic Plains. Geophysical Research Letters, 2018, 45, 1114-1121.	4.0	36
16	A merged aerosol dataset based on MODIS and MISR Aerosol Optical Depth products. , 2016, , .		2
17	Radiative characteristics of clouds embedded in smoke derived from airborne multiangular measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9140-9152.	3.3	6
18	PolarBRDF: A general purpose Python package for visualization and quantitative analysis of multi-angular remote sensing measurements. Computers and Geosciences, 2016, 96, 173-180.	4.2	5

#	ARTICLE	IF	CITATIONS
19	Light absorbing impurity deposition over the Himalayan-Karakoram-Hindu Kush-Tibetan cryosphere: a review and satellite-based characterization. Proceedings of SPIE, 2016, , .	0.8	1
20	A multi-model evaluation of aerosols over South Asia: common problems and possible causes. Atmospheric Chemistry and Physics, 2015, 15, 5903-5928.	4.9	113
21	Rising and falling river flows: contrasting signals of climate change and glacier mass balance from the eastern and western Karakoram. Hydrological Sciences Journal, 2015, 60, 2062-2085.	2.6	28
22	Challenges in Early Warning of the Persistent and Widespread Winter Fog over the Indo-Gangetic Plains: A Satellite Perspective. , 2014, , 51-61.		7
23	Satellite observations of desert dust-induced Himalayan snow darkening. Geophysical Research Letters, 2013, 40, 988-993.	4.0	131
24	Characterization of aerosols over the Indochina peninsula from satellite-surface observations during biomass burning pre-monsoon season. Atmospheric Environment, 2013, 78, 51-59.	4.1	88
25	Dust events and their influence on aerosol optical properties over Jaipur in Northwestern India. Environmental Monitoring and Assessment, 2013, 185, 7327-7342.	2.7	54
26	From BASE-ASIA toward 7-SEAS: A satellite-surface perspective of boreal spring biomass-burning aerosols and clouds in Southeast Asia. Atmospheric Environment, 2013, 78, 20-34.	4.1	64
27	Variability and trends of aerosol properties over Kanpur, northern India using AERONET data (2001-10). Environmental Research Letters, 2012, 7, 024003.	5.2	121
28	Global and regional trends of aerosol optical depth over land and ocean using SeaWiFS measurements from 1997 to 2010. Atmospheric Chemistry and Physics, 2012, 12, 8037-8053.	4.9	319
29	Accumulation of aerosols over the Indo-Gangetic plains and southern slopes of the Himalayas: distribution, properties and radiative effects during the 2009 pre-monsoon season. Atmospheric Chemistry and Physics, 2011, 11, 12841-12863.	4.9	232
30	Precursory signals using satellite and ground data associated with the Wenchuan Earthquake of 12 May 2008. International Journal of Remote Sensing, 2010, 31, 3341-3354.	2.9	72
31	Premonsoon aerosol characterization and radiative effects over the Indo-Gangetic Plains: Implications for regional climate warming. Journal of Geophysical Research, 2010, 115, .	3.3	194
32	Aerosol and rainfall variability over the Indian monsoon region: distributions, trends and coupling. Annales Geophysicae, 2009, 27, 3691-3703.	1.6	179
33	Two contrasting dust-dominant periods over India observed from MODIS and CALIPSO data. Geophysical Research Letters, 2009, 36, .	4.0	171
34	Influences of winter haze on fog/low cloud over the Indo-Gangetic plains. Journal of Geophysical Research, 2007, 112, .	3.3	163
35	Comment on "Satellite altimetry and the intensification of Hurricane Katrina". Eos, 2006, 87, 89-89.	0.1	17
36	Role of anomalous warm gulf waters in the intensification of Hurricane Katrina. Geophysical Research Letters, 2006, 33, .	4.0	23

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37	Dust storms detection over the Indo-Gangetic basin using multi sensor data. Advances in Space Research, 2006, 37, 728-733.	2.6	86
38	Remote sensing of dust storms over the indo-gangetic basin. Journal of the Indian Society of Remote Sensing, 2004, 32, 121-124.	2.4	29