

# 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	Global and regional trends of aerosol optical depth over land and ocean using SeaWiFS measurements from 1997 to 2010. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8037-8053.	4.9	319
2	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. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12841-12863.	4.9	232
3	Premonsoon aerosol characterization and radiative effects over the Indo-Gangetic Plains: Implications for regional climate warming. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	194
4	Aerosol and rainfall variability over the Indian monsoon region: distributions, trends and coupling. <i>Annales Geophysicae</i> , 2009, 27, 3691-3703.	1.6	179
5	Two contrasting dust-dominant periods over India observed from MODIS and CALIPSO data. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	171
6	Influences of winter haze on fog/low cloud over the Indo-Gangetic plains. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	163
7	Quantifying methane emissions from the largest oil-producing basin in the United States from space. <i>Science Advances</i> , 2020, 6, eaaz5120.	10.3	155
8	Connecting Crop Productivity, Residue Fires, and Air Quality over Northern India. <i>Scientific Reports</i> , 2019, 9, 16594.	3.3	133
9	Satellite observations of desert dust-induced Himalayan snow darkening. <i>Geophysical Research Letters</i> , 2013, 40, 988-993.	4.0	131
10	Variability and trends of aerosol properties over Kanpur, northern India using AERONET data (2001-10). <i>Environmental Research Letters</i> , 2012, 7, 024003.	5.2	121
11	A multi-model evaluation of aerosols over South Asia: common problems and possible causes. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5903-5928.	4.9	113
12	Characterization of aerosols over the Indochina peninsula from satellite-surface observations during biomass burning pre-monsoon season. <i>Atmospheric Environment</i> , 2013, 78, 51-59.	4.1	88
13	Dust storms detection over the Indo-Gangetic basin using multi sensor data. <i>Advances in Space Research</i> , 2006, 37, 728-733.	2.6	86
14	Precursory signals using satellite and ground data associated with the Wenchuan Earthquake of 12 May 2008. <i>International Journal of Remote Sensing</i> , 2010, 31, 3341-3354.	2.9	72
15	From BASE-ASIA toward 7-SEAS: A satellite-surface perspective of boreal spring biomass-burning aerosols and clouds in Southeast Asia. <i>Atmospheric Environment</i> , 2013, 78, 20-34.	4.1	64
16	Concurrent variation in oil and gas methane emissions and oil price during the COVID-19 pandemic. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6605-6626.	4.9	55
17	Dust events and their influence on aerosol optical properties over Jaipur in Northwestern India. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7327-7342.	2.7	54
18	Unravelling a large methane emission discrepancy in Mexico using satellite observations. <i>Remote Sensing of Environment</i> , 2021, 260, 112461.	11.0	49

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Air Pollution in the Hindu Kush Himalaya. , 2019, , 339-387.		31
23	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
24	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
25	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 107 Atmospheric Chemistry and Physics, 2022, 22, 395-418.	4.95	25
26	Role of anomalous warm gulf waters in the intensification of Hurricane Katrina. Geophysical Research Letters, 2006, 33, .	4.0	23
27	Comment on "Satellite altimetry and the intensification of Hurricane Katrina" Eos, 2006, 87, 89-89.	0.1	17
28	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
29	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
30	Strengthened Indian Summer Monsoon Precipitation Susceptibility Linked to Dust-Induced Ice Cloud Modification. Geophysical Research Letters, 2019, 46, 8431-8441.	4.0	10
31	Challenges in Early Warning of the Persistent and Widespread Winter Fog over the Indo-Gangetic Plains: A Satellite Perspective. , 2014, , 51-61.		7
32	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
33	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
34	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
35	A merged aerosol dataset based on MODIS and MISR Aerosol Optical Depth products. , 2016, , .		2
36	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

#	ARTICLE	IF	CITATIONS
37	Developing an Aircraft-Based Angular Distribution Model of Solar Reflection from Wildfire Smoke to Aid Satellite-Based Radiative Flux Estimation. <i>Remote Sensing</i> , 2019, 11, 1509.	4.0	1
38	A new measurement approach for validating satellite-based above-cloud aerosol optical depth. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1405-1423.	3.1	1