

# Vijay Kanawade

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/292421/vijay-kanawade-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,481

citations

24

h-index

37

g-index

70

ext. papers

1,736

ext. citations

5.3

avg, IF

4.74

L-index

#	Paper	IF	Citations
63	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12181-12194	6.8	99
62	Four-year measurements of trace gases (SO <sub>2</sub> , NO <sub>x</sub> , CO, and O <sub>3</sub> ) at an urban location, Kanpur, in Northern India. <i>Journal of Atmospheric Chemistry</i> , <b>2014</b> , 71, 283-301	3.2	95
61	Measurements of atmospheric parameters during Indian Space Research Organization Geosphere Biosphere Programme Land Campaign II at a typical location in the Ganga basin: 1. Physical and optical properties. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		93
60	Inferring aerosol types over the Indo-Gangetic Basin from ground based sunphotometer measurements. <i>Atmospheric Research</i> , <b>2012</b> , 109-110, 64-75	5.4	79
59	Measurements of atmospheric parameters during Indian Space Research Organization Geosphere Biosphere Program Land Campaign II at a typical location in the Ganga Basin: 2. Chemical properties. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		78
58	Isoprene suppression of new particle formation in a mixed deciduous forest. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6013-6027	6.8	64
57	An early South Asian dust storm during March 2012 and its impacts on Indian Himalayan foothills: a case study. <i>Science of the Total Environment</i> , <b>2014</b> , 493, 526-34	10.2	61
56	Understanding global secondary organic aerosol amount and size-resolved condensational behavior. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11519-11534	6.8	60
55	What caused severe air pollution episode of November 2016 in New Delhi?. <i>Atmospheric Environment</i> , <b>2020</b> , 222, 117125	5.3	53
54	Investigation of the aerosol-cloud-rainfall association over the Indian summer monsoon region. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5185-5204	6.8	48
53	Observations of new particle formation at two distinct Indian subcontinental urban locations. <i>Atmospheric Environment</i> , <b>2014</b> , 96, 370-379	5.3	45
52	Variation between near-surface and columnar aerosol characteristics during the winter and summer at Delhi in the Indo-Gangetic Basin. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2012</b> , 77, 57-66	2	40
51	Aerosol-induced intensification of cooling effect of clouds during Indian summer monsoon. <i>Nature Communications</i> , <b>2018</b> , 9, 3754	17.4	39
50	New particle growth and shrinkage observed in subtropical environments. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 547-564	6.8	38
49	Sub-micron particle number size distributions characteristics at an urban location, Kanpur, in the Indo-Gangetic Plain. <i>Atmospheric Research</i> , <b>2014</b> , 147-148, 121-132	5.4	35
48	Statistical analysis of 4-year observations of aerosol sizes in a semi-rural continental environment. <i>Atmospheric Environment</i> , <b>2012</b> , 59, 30-38	5.3	35
47	Internally mixed black carbon in the Indo-Gangetic Plain and its effect on absorption enhancement. <i>Atmospheric Research</i> , <b>2017</b> , 197, 211-223	5.4	35

46	Evidence for the role of ion-induced particle formation during an atmospheric nucleation event observed in Tropospheric Ozone Production about the Spring Equinox (TOPSE). <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		31
45	Recent Increase in Winter Hazy Days over Central India and the Arabian Sea. <i>Scientific Reports</i> , <b>2019</b> , 9, 17406	4.9	30
44	Regional CO pollution over the Indian-subcontinent and various transport pathways as observed by MOPITT. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 6133-6148	3.1	29
43	New Particle Formation and Growth Mechanisms in Highly Polluted Environments. <i>Current Pollution Reports</i> , <b>2017</b> , 3, 245-253	7.6	28
42	New Particle Formation and Growth in an Isoprene-Dominated Ozark Forest: From Sub-5 nm to CCN-Active Sizes. <i>Aerosol Science and Technology</i> , <b>2014</b> , 48, 1285-1298	3.4	28
41	Isoprene suppression of new particle formation: Potential mechanisms and implications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,621	4.4	26
40	Ice Multiplication by Breakup in Ice-Ice Collisions. Part II: Numerical Simulations. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 2789-2811	2.1	25
39	Characterization of aerosol optical properties over the high-altitude station Hanle, in the trans-Himalayan region. <i>Atmospheric Research</i> , <b>2014</b> , 138, 308-323	5.4	23
38	Sub-3 nm particles observed at the coastal and continental sites in the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 860-879	4.4	22
37	Laboratory observations of temperature and humidity dependencies of nucleation and growth rates of sub-3 nm particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 1919-1929	4.4	20
36	Infrequent occurrence of new particle formation at a semi-rural location, Gadanki, in tropical Southern India. <i>Atmospheric Environment</i> , <b>2014</b> , 94, 264-273	5.3	20
35	Anomalous low tropospheric column ozone over eastern India during the severe drought event of monsoon 2002: a case study. <i>Environmental Science and Pollution Research</i> , <b>2011</b> , 18, 1442-55	5.1	20
34	Improved air quality during COVID-19 at an urban megacity over the Indo-Gangetic Basin: From stringent to relaxed lockdown phases. <i>Urban Climate</i> , <b>2021</b> , 36, 100791	6.8	18
33	Atmospheric ions and new particle formation events at a tropical location, Pune, India. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2015</b> , 141, 3140-3156	6.4	17
32	Simulation of trace gases and aerosols over the Indian domain: evaluation of the WRF-Chem model <b>2014</b> ,		16
31	Explosive ice multiplication by mechanical break-up in ice-ice collisions: a dynamical system-based study. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2016</b> , 142, 867-879	6.4	15
30	Acetylene C <sub>2</sub> H <sub>2</sub> retrievals from MIPAS data and regions of enhanced upper tropospheric concentrations in August 2003. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10243-10257	6.8	10
29	Quantitative assessment of AOD from 17 CMIP5 models based on satellite-derived AOD over India. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 657-671	2	10

28	Chemical Characterization of Sub-micron Aerosols during New Particle Formation in an Urban Atmosphere. <i>Aerosol and Air Quality Research</i> , <b>2020</b> , 20, 1294-1305	4.6	9
27	Satellite Remote Sensing for Monitoring Agriculture Growth and Agricultural Drought Vulnerability Using Long-Term (1982-2015) Climate Variability and Socio-economic Data set. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2017</b> , 87, 733-750	0.9	8
26	Temporal asymmetry in aerosol optical characteristics: A case study at a high-altitude station, Hanle, in Ladakh region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2014</b> , 121, 123-131	2	7
25	Effect of COVID-19 shutdown on aerosol direct radiative forcing over the Indo-Gangetic Plain outflow region of the Bay of Bengal. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146918	10.2	7
24	Simulation of trace gases and aerosols over the Indian domain: evaluation of the WRF-Chem Model		6
23	New Particle Formation and Growth to Climate-Relevant Aerosols at a Background Remote Site in the Western Himalaya. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033267	4.4	6
22	Characterization of raindrop size distributions and its response to cloud microphysical properties. <i>Atmospheric Research</i> , <b>2021</b> , 249, 105292	5.4	6
21	Multiple Environmental Influences on the Lightning of Cold-Based Continental Cumulonimbus Clouds. Part I: Description and Validation of Model. <i>Journals of the Atmospheric Sciences</i> , <b>2020</b> , 77, 3999-4024	2.1	5
20	Assessment of aerosol optical and micro-physical features retrieved from direct and diffuse solar irradiance measurements from Skyradiometer at a high altitude station at Merak: Assessment of aerosol optical features from Merak. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 16610-9	5.1	4
19	Aerosol characteristics in the UTLS region: A satellite-based study over north India. <i>Atmospheric Environment</i> , <b>2016</b> , 125, 222-230	5.3	4
18	Atmospheric amines and ammonia measured with a Chemical Ionization Mass Spectrometer (CIMS)		4
17	Aerosol characteristics in the upper troposphere and lower stratosphere region during successive and contrasting Indian summer monsoon season. <i>Atmospheric Environment</i> , <b>2018</b> , 173, 46-52	5.3	4
16	Spatio-temporal variability of near-surface air pollutants at four distinct geographical locations in Andhra Pradesh State of India. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115899	9.3	3
15	Observation of sub-3nm particles and new particle formation at an urban location in India. <i>Atmospheric Environment</i> , <b>2021</b> , 256, 118460	5.3	3
14	A long-term observational analysis of aerosol-cloud-rainfall associations over Indian Summer Monsoon region <b>2016</b> ,		2
13	Meteorological study of the first observation of red sprites from Poland. <i>Acta Geophysica</i> , <b>2009</b> , 57, 760-777		2
12	Acetylene C <sub>2</sub> H <sub>2</sub> retrievals from MIPAS data and regions of enhanced upper tropospheric concentrations in August 2003		2
11	Role of Cyclone Dckhi in the re-distribution of aerosols and its impact on the precipitation over the Arabian Sea. <i>Atmospheric Research</i> , <b>2020</b> , 235, 104797	5.4	2

10	How secondary inorganic aerosols from Delhi influence aerosol optical and radiative properties at a downwind sub-urban site over Indo-Gangetic Basin?. <i>Atmospheric Environment</i> , <b>2021</b> , 248, 118246	5.3	2
9	Characteristics of precipitation microphysics during Tropical Cyclone Nisarga (2020) as observed over the orographic region of Western Ghats in the Indian sub-continent. <i>Atmospheric Research</i> , <b>2021</b> , 264, 105861	5.4	2
8	On distinguishing the natural and human-induced sources of airborne pathogenic viable bioaerosols: characteristic assessment using advanced molecular analysis. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	1
7	Atmospheric observations of new particle growth and shrinkage <b>2013</b> ,		1
6	Sub-3 nm particle observations in the atmosphere of two sites in Eastern United States <b>2013</b> ,		1
5	Atmospheric new particle formation in India: Current understanding and knowledge gaps. <i>Atmospheric Environment</i> , <b>2022</b> , 270, 118894	5.3	1
4	Isoprene suppression of new particle formation in mixed deciduous forest		1
3	Observations of particle number size distributions and new particle formation in six Indian locations. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4491-4508	6.8	1
2	Reduction in Anthropogenic Emissions Suppressed New Particle Formation and Growth: Insights From the COVID-19 Lockdown. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2022</b> , 127, e2021JD035392	4.4	0
1	Impact of Climate Extremes on Agriculture and Land Use Dynamic over Vidarbha Region of Maharashtra <b>2022</b> , 437-454		