

Velu Vinoj

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1712220/publications.pdf>

Version: 2024-02-01

54
papers

2,351
citations

236612

25
h-index

223531

46
g-index

61
all docs

61
docs citations

61
times ranked

2408
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term modulation of Indian summer monsoon rainfall by West Asian dust. <i>Nature Geoscience</i> , 2014, 7, 308-313.	5.4	324
2	Sensitivity of remote aerosol distributions to representation of cloud-aerosol interactions in a global climate model. <i>Geoscientific Model Development</i> , 2013, 6, 765-782.	1.3	169
3	Spatial distribution of aerosol black carbon over India during pre-monsoon season. <i>Atmospheric Environment</i> , 2009, 43, 1071-1078.	1.9	166
4	Climate implications of large warming by elevated aerosol over India. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	157
5	Land use and land cover change effect on surface temperature over Eastern India. <i>Scientific Reports</i> , 2019, 9, 8859.	1.6	135
6	Aerosol properties and radiative forcing over Kanpur during severe aerosol loading conditions. <i>Atmospheric Environment</i> , 2013, 79, 7-19.	1.9	98
7	Radiative forcing by aerosols over the Bay of Bengal region derived from shipborne, island-based, and satellite (Moderate-Resolution Imaging Spectroradiometer) observations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	97
8	Declining pre-monsoon dust loading over South Asia: Signature of a changing regional climate. <i>Scientific Reports</i> , 2017, 7, 16062.	1.6	86
9	Wintertime spatial characteristics of boundary layer aerosols over peninsular India. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	80
10	Measurements of aerosol optical depth over Arabian Sea during summer monsoon season. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	70
11	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10013-10060.	1.9	62
12	Vertical distribution of aerosols over an urban continental site in India inferred using a micro pulse lidar. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	55
13	Characteristics of spectral aerosol optical depths over India during ICARB. <i>Journal of Earth System Science</i> , 2008, 117, 303-313.	0.6	55
14	Evaluation of PM _{2.5} Surface Concentrations Simulated by NASA's MERRA Version 2 Aerosol Reanalysis over India and its Relation to the Air Quality Index. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1329-1339.	0.9	53
15	Radiative effects of aerosols at an urban location in southern India: Observations versus model. <i>Atmospheric Environment</i> , 2010, 44, 5295-5304.	1.9	51
16	Vertical structure and horizontal gradients of aerosol extinction coefficients over coastal India inferred from airborne lidar measurements during the Integrated Campaign for Aerosol, Gases and Radiation Budget (ICARB) field campaign. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	49
17	Improved assessment of aerosol absorption using OMI-MODIS joint retrieval. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	48
18	Weekly periodicities of aerosol properties observed at an urban location in India. <i>Atmospheric Research</i> , 2011, 101, 307-313.	1.8	42

#	ARTICLE	IF	CITATIONS
19	Increasing Potential for Air Pollution over Megacity New Delhi: A Study Based on 2016 Diwali Episode. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2510-2518.	0.9	41
20	Optical, radiative, and source characteristics of aerosols at Minicoy, a remote island in the southern Arabian Sea. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
21	Vertical distribution of aerosols over the east coast of India inferred from airborne LIDAR measurements. <i>Annales Geophysicae</i> , 2009, 27, 4157-4169.	0.6	37
22	The Dependence of ITCZ Structure on Model Resolution and Dynamical Core in Aquaplanet Simulations. <i>Journal of Climate</i> , 2014, 27, 2375-2385.	1.2	36
23	Measurements of aerosol optical depths and black carbon over Bay of Bengal during post-monsoon season. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	34
24	Impact of Rapid Urbanization on the City of Bhubaneswar, India. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 845-853.	0.8	33
25	Assessment of Aerosol Radiative Impact over Oceanic Regions Adjacent to Indian Subcontinent Using Multisatellite Analysis. <i>Advances in Meteorology</i> , 2010, 2010, 1-13.	0.6	31
26	Surprising Changes in Aerosol Loading over India amid COVID-19 Lockdown. <i>Aerosol and Air Quality Research</i> , 2021, 21, 200466.	0.9	26
27	Establishing a link between fine particulate matter (PM _{2.5}) zones and COVID -19 over India based on anthropogenic emission sources and air quality data. <i>Urban Climate</i> , 2021, 38, 100883.	2.4	24
28	Large aerosol optical depths observed at an urban location in southern India associated with rain-deficit summer monsoon season. <i>Annales Geophysicae</i> , 2004, 22, 3073-3077.	0.6	23
29	Latitudinal variation of aerosol optical depths from northern Arabian Sea to Antarctica. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	23
30	New Directions: How representative are aerosol radiative impact assessments? <i>Atmospheric Environment</i> , 2006, 40, 3008-3010.	1.9	20
31	Rapid urbanization and associated impacts on land surface temperature changes over Bhubaneswar Urban District, India. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 790.	1.3	19
32	Aerosol characteristics at a remote island: Minicoy in southern Arabian Sea. <i>Journal of Earth System Science</i> , 2008, 117, 389-397.	0.6	18
33	The short-term variability of aerosols and their impact on cloud properties and radiative effect over the Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2020, 11, 630-638.	1.8	14
34	Aerosol radiative impact on surface ozone during a heavy dust and biomass burning event over South Asia. <i>Atmospheric Environment</i> , 2020, 223, 117201.	1.9	13
35	Numerical simulations of different sectoral contributions to post monsoon pollution over Delhi. <i>Heliyon</i> , 2020, 6, e03548.	1.4	13
36	Investigation of June 2020 giant Saharan dust storm using remote sensing observations and model reanalysis. <i>Scientific Reports</i> , 2022, 12, 6114.	1.6	13

#	ARTICLE	IF	CITATIONS
37	Lead Isotope Evidence for Enhanced Anthropogenic Particle Transport to the Himalayas during Summer Months. <i>Environmental Science & Technology</i> , 2021, 55, 13697-13708.	4.6	12
38	Biomass-Derived Provenance Dominates Glacial Surface Organic Carbon in the Western Himalaya. <i>Environmental Science & Technology</i> , 2020, 54, 8612-8621.	4.6	11
39	The role of carbonaceous aerosols on short-term variations of precipitation over North Africa. <i>Atmospheric Science Letters</i> , 2016, 17, 407-414.	0.8	9
40	Atmospheric aerosol optical depth and its variability over an urban location in Eastern India. <i>Natural Hazards</i> , 2020, 102, 591-605.	1.6	8
41	Aerosol Induced Changes in Sea Surface Temperature Over the Bay of Bengal Due to COVID-19 Lockdown. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
42	Arabian Sea Aerosol-Indian Summer Monsoon Rainfall relationship and its modulation by El-Nino Southern Oscillation. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	7
43	Assessment of Recent Changes in Dust over South Asia Using RegCM4 Regional Climate Model. <i>Remote Sensing</i> , 2021, 13, 4309.	1.8	6
44	Aerosol characteristics at a continental urban station in southern India. <i>International Journal of Environment and Waste Management</i> , 2009, 4, 256.	0.2	5
45	Impact of rapid urbanization on the microclimate of Indian cities: a case study for the city of Bhubaneswar. , 2016, , .		5
46	Towards understanding the variability of aerosol characteristics over the Indo-Gangetic Plain. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
47	Recent changes in dust and its impact on aerosol trends over the Indo-Gangetic Plain (IGP). , 2016, , .		3
48	Effect of tropical sub-seasonal variability on heatwaves over India. <i>International Journal of Climatology</i> , 2021, 41, E2258.	1.5	3
49	Role of Meteorology and Local Orography on a Flood Event in the Lower Subansiri Basin and Post-Flood Changes to Land Use and Land Cover. <i>Current Science</i> , 2020, 118, 778.	0.4	3
50	Role of meteorology in atmospheric aerosols and air pollution over South Asia. , 2022, , 97-110.		2
51	The radiative effects of anthropogenic aerosols on clouds over the Indo-Gangetic Plains. , 2019, , .		0
52	The Sub-Daily Variability of Aerosol Loading and Associated Radiative Forcing Over the Indian Region. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	0
53	Observations of aerosols from space : An overview. <i>Mausam</i> , 2022, 54, 287-298.	0.1	0
54	Surface Urban Heat Island (Suhi) and its Evolution Over a Rapidly Growing Tropical Urban Complex in Eastern India. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0