Velu Vinoj

List of Publications by Year in descending order

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54 papers	2,351 citations	236925 25 h-index	223800 46 g-index
61 all docs	61 docs citations	61 times ranked	2408 citing authors

#	Article	IF	Citations
1	Role of meteorology in atmospheric aerosols and air pollution over South Asia. , 2022, , 97-110.		2
2	Observations of aerosols from space : An overview. Mausam, 2022, 54, 287-298.	0.1	0
3	Arabian Sea Aerosol-Indian Summer Monsoon Rainfall relationship and its modulation by El-Nino Southern Oscillation. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	7
4	Investigation of June 2020 giant Saharan dust storm using remote sensing observations and model reanalysis. Scientific Reports, 2022, 12, 6114.	3.3	13
5	Effect of tropical subâ€seasonal variability on heatwaves over India. International Journal of Climatology, 2021, 41, E2258.	3.5	3
6	Establishing a link between fine particulate matter (PM2.5) zones and COVID -19 over India based on anthropogenic emission sources and air quality data. Urban Climate, 2021, 38, 100883.	5.7	24
7	Aerosol Induced Changes in Sea Surface Temperature Over the Bay of Bengal Due to COVID-19 Lockdown. Frontiers in Marine Science, 2021, 8, .	2.5	8
8	Lead Isotope Evidence for Enhanced Anthropogenic Particle Transport to the Himalayas during Summer Months. Environmental Science & Technology, 2021, 55, 13697-13708.	10.0	12
9	Surprising Changes in Aerosol Loading over India amid COVID-19 Lockdown. Aerosol and Air Quality Research, 2021, 21, 200466.	2.1	26
10	Assessment of Recent Changes in Dust over South Asia Using RegCM4 Regional Climate Model. Remote Sensing, 2021, 13, 4309.	4.0	6
11	The Sub-Daily Variability of Aerosol Loading and Associated Radiative Forcing Over the Indian Region. Frontiers in Earth Science, 2021, 9, .	1.8	0
12	Atmospheric aerosol optical depth and its variability over an urban location in Eastern India. Natural Hazards, 2020, 102, 591-605.	3.4	8
13	The short-term variability of aerosols and their impact on cloud properties and radiative effect over the Indo-Gangetic Plain. Atmospheric Pollution Research, 2020, 11, 630-638.	3.8	14
14	Aerosol radiative impact on surface ozone during a heavy dust and biomass burning event over South Asia. Atmospheric Environment, 2020, 223, 117201.	4.1	13
15	Numerical simulations of different sectoral contributions to post monsoon pollution over Delhi. Heliyon, 2020, 6, e03548.	3.2	13
16	Biomass-Derived Provenance Dominates Glacial Surface Organic Carbon in the Western Himalaya. Environmental Science & Technology, 2020, 54, 8612-8621.	10.0	11
17	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. Current Science, 2020, 118, 778.	0.8	3
18	Evaluation of PM2.5 Surface Concentrations Simulated by NASAâ€™s MERRA Version 2 Aerosol Reanalysis over India and its Relation to the Air Quality Index. Aerosol and Air Quality Research, 2020, 20, 1329-1339.	2.1	53

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19	Land use and land cover change effect on surface temperature over Eastern India. Scientific Reports, 2019, 9, 8859.	3.3	135
20	The radiative effects of anthropogenic aerosols on clouds over the Indo-Gangetic Plains. , 2019, , .		0
21	Rapid urbanization and associated impacts on land surface temperature changes over Bhubaneswar Urban District, India. Environmental Monitoring and Assessment, 2019, 191, 790.	2.7	19
22	Increasing Potential for Air Pollution over Megacity New Delhi: A Study Based on 2016 Diwali Episode. Aerosol and Air Quality Research, 2018, 18, 2510-2518.	2.1	41
23	Declining pre-monsoon dust loading over South Asia: Signature of a changing regional climate. Scientific Reports, 2017, 7, 16062.	3.3	86
24	Impact of Rapid Urbanization on the City of Bhubaneswar, India. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 845-853.	1.2	33
25	Towards understanding the variability of aerosol characteristics over the Indo-Gangetic Plain. Proceedings of SPIE, 2016, , .	0.8	3
26	Recent changes in dust and its impact on aerosol trends over the Indo-Gangetic Plain (IGP). , 2016, , .		3
27	The role of carbonaceous aerosols on shortâ€term variations of precipitation over North Africa. Atmospheric Science Letters, 2016, 17, 407-414.	1.9	9
28	Impact of rapid urbanization on the microclimate of Indian cities: a case study for the city of Bhubaneswar. , 2016, , .		5
29	Short-term modulation of Indian summer monsoon rainfall by West Asian dust. Nature Geoscience, 2014, 7, 308-313.	12.9	324
30	The Dependence of ITCZ Structure on Model Resolution and Dynamical Core in Aquaplanet Simulations. Journal of Climate, 2014, 27, 2375-2385.	3.2	36
31	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. Atmospheric Chemistry and Physics, 2014, 14, 10013-10060.	4.9	62
32	Aerosol properties and radiative forcing over Kanpur during severe aerosol loading conditions. Atmospheric Environment, 2013, 79, 7-19.	4.1	98
33	Sensitivity of remote aerosol distributions to representation of cloudâ€“aerosol interactions in a global climate model. Geoscientific Model Development, 2013, 6, 765-782.	3.6	169
34	Weekly periodicities of aerosol properties observed at an urban location in India. Atmospheric Research, 2011, 101, 307-313.	4.1	42
35	Radiative effects of aerosols at an urban location in southern India: Observations versus model. Atmospheric Environment, 2010, 44, 5295-5304.	4.1	51
36	Assessment of Aerosol Radiative Impact over Oceanic Regions Adjacent to Indian Subcontinent Using Multisatellite Analysis. Advances in Meteorology, 2010, 2010, 1-13.	1.6	31

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37	Optical, radiative, and source characteristics of aerosols at Minicoy, a remote island in the southern Arabian Sea. Journal of Geophysical Research, 2010, 115, .	3.3	38
38	Vertical distribution of aerosols over the east coast of India inferred from airborne LIDAR measurements. Annales Geophysicae, 2009, 27, 4157-4169.	1.6	37
39	Spatial distribution of aerosol black carbon over India during pre-monsoon season. Atmospheric Environment, 2009, 43, 1071-1078.	4.1	166
40	Improved assessment of aerosol absorption using OMIâ€MODIS joint retrieval. Journal of Geophysical Research, 2009, 114, .	3.3	48
41	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. Journal of Geophysical Research, 2009, 114, .	3.3	49
42	Aerosol characteristics at a continental urban station in southern India. International Journal of Environment and Waste Management, 2009, 4, 256.	0.3	5
43	Aerosol characteristics at a remote island: Minicoy in southern Arabian Sea. Journal of Earth System Science, 2008, 117, 389-397.	1.3	18
44	Characteristics of spectral aerosol optical depths over India during ICARB. Journal of Earth System Science, 2008, 117, 303-313.	1.3	55
45	Climate implications of large warming by elevated aerosol over India. Geophysical Research Letters, 2008, 35, .	4.0	157
46	Latitudinal variation of aerosol optical depths from northern Arabian Sea to Antarctica. Geophysical Research Letters, 2007, 34, .	4.0	23
47	Vertical distribution of aerosols over an urban continental site in India inferred using a micro pulse lidar. Geophysical Research Letters, 2006, 33, .	4.0	55
48	New Directions: How representative are aerosol radiative impact assessments?â˜†. Atmospheric Environment, 2006, 40, 3008-3010.	4.1	20
49	Wintertime spatial characteristics of boundary layer aerosols over peninsular India. Journal of Geophysical Research, 2005, 110, .	3.3	80
50	Large aerosol optical depths observed at an urban location in southern India associated with rain-deficit summer monsoon season. Annales Geophysicae, 2004, 22, 3073-3077.	1.6	23
51	Radiative forcing by aerosols over the Bay of Bengal region derived from shipborne, island-based, and satellite (Moderate-Resolution Imaging Spectroradiometer) observations. Journal of Geophysical Research, 2004, 109, .	3.3	97
52	Measurements of aerosol optical depths and black carbon over Bay of Bengal during post-monsoon season. Geophysical Research Letters, 2004, 31, .	4.0	34
53	Measurements of aerosol optical depth over Arabian Sea during summer monsoon season. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	70
54	Surface Urban Heat Island (Suhi) and its Evolution Over a Rapidly Growing Tropical Urban Complex in Eastern India. SSRN Electronic Journal, 0, , .	0.4	0