C Venkataraman

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3487170/publications.pdf

Version: 2024-02-01

40 papers	5,984 citations	393982 19 h-index	315357 38 g-index
40 all docs	40 docs citations	40 times ranked	7038 citing authors

#	Article	IF	Citations
1	Influence of aerosol radiative effects on surface temperature and snow melt in the Himalayan region. Science of the Total Environment, 2022, 810, 151299.	3.9	10
2	COVID-19 lockdown closures of emissions sources in India: Lessons for air quality and climate policy. Journal of Environmental Management, 2022, 302, 114079.	3.8	15
3	Global health burden of ambient PM2.5 and the contribution of anthropogenic black carbon and organic aerosols. Environment International, 2022, 159, 107020.	4.8	68
4	1H NMR structural signatures of source and atmospheric organic aerosols in India. Chemosphere, 2022, 301, 134681.	4.2	6
5	Impact of Circular, Waste-Heat Reuse Pathways on PM_{2.5}-Air Quality, CO₂ Emissions, and Human Health in India: Comparison with Material Exchange Potential. Environmental Science & Technology, 2022, 56, 9773-9783.	4.6	3
6	An Analysis of the Aerosol Lifecycle Over India: COALESCE Intercomparison of Three General Circulation Models. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
7	Estimation of real-time brown carbon absorption: An observationally constrained Mie theory-based optimization method. Journal of Aerosol Science, 2022, 166, 106047.	1.8	2
8	Absorbing aerosols and highâ€temperature extremes in India: A general circulation modelling study. International Journal of Climatology, 2021, 41, E1498.	1.5	10
9	Climate co-benefits of air quality and clean energy policy in India. Nature Sustainability, 2021, 4, 305-313.	11.5	42
10	Global and national assessment of the incidence of asthma in children and adolescents from major sources of ambient NO₂. Environmental Research Letters, 2021, 16, 035020.	2.2	25
11	Global health burden of PM2.5, black and organic carbon aerosols. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
12	Absorbing aerosol influence on temperature maxima: An observation based study over India. Atmospheric Environment, 2020, 223, 117237.	1.9	15
13	Outdoor air pollution in India is not only an urban problem. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28640-28644.	3.3	69
14	Fingerprint of volcanic forcing on the ENSOâ€“Indian monsoon coupling. Science Advances, 2020, 6, .	4.7	39
15	Disentangling sea-surface temperature and anthropogenic aerosol influences on recent trends in South Asian monsoon rainfall. Climate Dynamics, 2019, 52, 2287-2302.	1.7	20
16	Origin and properties of soluble brown carbon in freshly emitted and aged ambient aerosols over an urban site in India. Environmental Pollution, 2019, 254, 113077.	3.7	35
17	Premature Mortality Due to PM_{2.5} Over India: Effect of Atmospheric Transport and Anthropogenic Emissions. GeoHealth, 2019, 3, 2-10.	1.9	63
18	Aerosol Optical Depth Over India. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3688-3703.	1.2	73

#	Article	IF	Citations
19	Source influence on emission pathways and ambient PM_{2.5} pollution over India (2015â€“2050). Atmospheric Chemistry and Physics, 2018, 18, 8017-8039.	1.9	148
20	Estimation of critical supersaturation solubility ratio for predicting diameters of dry particles prepared by air-jet atomization of solutions. Journal of Colloid and Interface Science, 2017, 500, 172-181.	5.0	2
21	Engineering of layered, lipid-encapsulated drug nanoparticles through spray-drying. Colloids and Surfaces B: Biointerfaces, 2017, 154, 178-185.	2.5	3
22	Aerosols cause intraseasonal short-term suppression of Indian monsoon rainfall. Scientific Reports, 2017, 7, 17347.	1.6	48
23	Breaking out of the Box: India and Climate Action on Short-Lived Climate Pollutants. Environmental Science & Technology, 2016, 50, 12527-12529.	4.6	10
24	A single-step aerosol process for in-situ surface modification of nanoparticles: Preparation of stable aqueous nanoparticle suspensions. Journal of Colloid and Interface Science, 2016, 464, 167-174.	5.0	12
25	Modelling size and structure of nanoparticles formed from drying of submicron solution aerosols. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	10
26	Bounding the role of black carbon in the climate system: A scientific assessment. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5380-5552.	1.2	4,319
27	Pulse-Heat Aerosol Reactor (PHAR): Processing Thermolabile Biomaterials and Biomolecules into Nanoparticles with Controlled Properties. Aerosol Science and Technology, 2013, 47, 383-394.	1.5	4
28	GCM simulations of anthropogenic aerosolâ€•induced changes in aerosol extinction, atmospheric heating and precipitation over India. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2938-2955.	1.2	34
29	Aerosol Synthesis of Lipid Nanoparticles: Relating Crystallinity to Simulated Evaporation Rates. Aerosol Science and Technology, 2012, 46, 569-575.	1.5	5
30	A Wet Electrostatic Precipitator (WESP) for Soft Nanoparticle Collection. Aerosol Science and Technology, 2012, 46, 750-759.	1.5	23
31	Droplet-Phase Synthesis of Nanoparticle Aerosol Lipid Matrices with Controlled Properties. Aerosol Science and Technology, 2011, 45, 811-820.	1.5	12
32	Characterization of emissions from South Asian biofuels and application to source apportionment of carbonaceous aerosol in the Himalayas. Journal of Geophysical Research, 2010, 115, .	3.3	98
33	Source identification of aerosols influencing atmospheric extinction: Integrating PMF and PSCF with emission inventories and satellite observations. Journal of Geophysical Research, 2010, 115, .	3.3	11
34	Temporal variability in emission category influence on organic matter aerosols in the Indian region. Geophysical Research Letters, 2009, 36, .	1.5	7
35	Origin of surface and columnar Indian Ocean Experiment (INDOEX) aerosols using sourceâ€•and regionâ€•tagged emissions transport in a general circulation model. Journal of Geophysical Research, 2008, 113, .	3.3	30
36	Aerosol lofting from sea breeze during the Indian Ocean Experiment. Journal of Geophysical Research, 2006, 111, .	3.3	32

#	Article	IF	Citations
37	Residential Biofuels in South Asia: Carbonaceous Aerosol Emissions and Climate Impacts. Science, 2005, 307, 1454-1456.	6.0	567
38	New methodology for estimating biofuel consumption for cooking: Atmospheric emissions of black carbon and sulfur dioxide from India. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	1.9	58
39	General circulation model estimates of aerosol transport and radiative forcing during the Indian Ocean Experiment. Journal of Geophysical Research, 2004, 109, .	3.3	53
40	Spatial heterogeneity of aerosol induced rapid adjustments on precipitation response over India: a general circulation model study with ECHAM6-HAM2. Climate Dynamics, 0, , 1.	1.7	0