

Chandra Mouli Pavuluri

List of Publications by Year in descending order

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44
papers

1,567
citations

331670

21
h-index

302126

39
g-index

53
all docs

53
docs citations

53
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Year-round observations of stable carbon isotopic composition of carboxylic acids, oxoacids and α -Dicarbonyls in fine aerosols at Tianjin, North China: Implications for origins and aging. <i>Science of the Total Environment</i> , 2022, 834, 155385.	8.0	5
2	Measurement report: Optical properties and sources of water-soluble brown carbon in Tianjin, North China – insights from organic molecular compositions. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6449-6470.	4.9	25
3	Characteristics and seasonality of trace elements in fine aerosols from Tianjin, North China during 2018-2019. <i>Environmental Advances</i> , 2022, 9, 100263.	4.8	1
4	Why airborne transmission hasn't been conclusive in case of COVID-19? An atmospheric science perspective. <i>Science of the Total Environment</i> , 2021, 773, 145525.	8.0	42
5	Seasonal Characteristics of Biogenic Secondary Organic Aerosols Over Chichijima Island in the Western North Pacific: Impact of Biomass Burning Activity in East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032987.	3.3	7
6	Molecular characterization and spatial distribution of dicarboxylic acids and related compounds in fresh snow in China. <i>Environmental Pollution</i> , 2021, 291, 118114.	7.5	3
7	Molecular Distributions of Diacids, Oxoacids, and α -Dicarbonyls in Summer and Winter Time Fine Aerosols From Tianjin, North China: Emissions From Combustion Sources and Aqueous Phase Secondary Formation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	10
8	Characteristics, Seasonality, and Secondary Formation Processes of Diacids and Related Compounds in Fine Aerosols During Warm and Cold Periods: Year-Round Observations at Tianjin, North China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035435.	3.3	10
9	Source forensics of n-alkanes and n-fatty acids in urban aerosols using compound specific radiocarbon/stable carbon isotopic composition. <i>Environmental Research Letters</i> , 2020, 15, 074007.	5.2	12
10	Large contributions of biogenic and anthropogenic sources to fine organic aerosols in Tianjin, North China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 117-137.	4.9	36
11	Molecular and spatial distributions of dicarboxylic acids, oxocarboxylic acids, and α -dicarbonyls in marine aerosols from the South China Sea to the eastern Indian Ocean. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6841-6860.	4.9	17
12	Large contribution of fine carbonaceous aerosols from municipal waste burning inferred from distributions of diacids and fatty acids. <i>Environmental Research Communications</i> , 2019, 1, 071005.	2.3	5
13	Characterization of Secondary Organic Aerosol Tracers over Tianjin, North China during Summer to Autumn. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2339-2352.	2.7	11
14	Nitrogen Speciation and Isotopic Composition of Aerosols Collected at Himalayan Forest (3326 m) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 12247-12256.	10.0	27
15	Compound-Specific Stable Carbon Isotope Ratios of Terrestrial Biomarkers in Urban Aerosols from Beijing, China. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1896-1904.	2.7	5
16	An efficient microwave-promoted three-component synthesis of thiazolo[3,2-a]pyrimidines catalyzed by SiO ₂ •ZnBr ₂ and antimicrobial activity evaluation. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 266-274.	1.2	5
17	Urea and thiourea derivatives of 3-(trifluoromethyl)-5,6,7,8-tetrahydro-[1, 2, 4]triazolo[4,3-a]pyrazine: Synthesis, characterization, antimicrobial activity and docking studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 922-932.	1.6	15
18	Organic Aerosols in South and East Asia: Composition and Sources. <i>Springer Remote Sensing/photogrammetry</i> , 2018, , 379-408.	0.4	1

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19	Implications for biomass/coal combustion emissions and secondary formation of carbonaceous aerosols in North China. <i>RSC Advances</i> , 2018, 8, 38108-38117.	3.6	17
20	Seasonal Distributions and Stable Carbon Isotope Ratios of Water-Soluble Diacids, Oxoacids, and $\delta^{13}\text{C}$ -Dicarbonyls in Aerosols from Sapporo: Influence of Biogenic Volatile Organic Compounds and Photochemical Aging. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1220-1230.	2.7	12
21	Seasonal changes in TC and WSOC and their ^{13}C isotope ratios in Northeast Asian aerosols: land surface–biosphere–atmosphere interactions. <i>Acta Geochimica</i> , 2017, 36, 355-358.	1.7	10
22	Enrichment of ^{13}C in diacids and related compounds during photochemical processing of aqueous aerosols: New proxy for organic aerosols aging. <i>Scientific Reports</i> , 2016, 6, 36467.	3.3	30
23	Molecular distributions and compound-specific stable carbon isotopic compositions of lipids in wintertime aerosols from Beijing. <i>Scientific Reports</i> , 2016, 6, 27481.	3.3	32
24	Laboratory photochemical processing of aqueous aerosols: formation and degradation of dicarboxylic acids, oxocarboxylic acids and $\delta^{13}\text{C}$ -dicarbonyls. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7999-8012.	4.9	41
25	Atmospheric chemistry of nitrogenous aerosols in northeastern Asia: biological sources and secondary formation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9883-9896.	4.9	40
26	Characteristics, seasonality and sources of inorganic ions and trace metals in North-east Asian aerosols. <i>Environmental Chemistry</i> , 2015, 12, 338.	1.5	16
27	Time-resolved distributions of bulk parameters, diacids, ketoacids and $\delta^{13}\text{C}$ -dicarbonyls and stable carbon and nitrogen isotope ratios of TC and TN in tropical Indian aerosols: Influence of land/sea breeze and secondary processes. <i>Atmospheric Research</i> , 2015, 153, 188-199.	4.1	23
28	Enhanced modern carbon and biogenic organic tracers in Northeast Asian aerosols during spring/summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2362-2371.	3.3	43
29	Time-resolved variations in the distributions of inorganic ions, carbonaceous components, dicarboxylic acids and related compounds in atmospheric aerosols from Sapporo, northern Japan during summertime. <i>Atmospheric Environment</i> , 2012, 62, 622-630.	4.1	14
30	Evidence for ^{13}C -carbon enrichment in oxalic acid via iron catalyzed photolysis in aqueous phase. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	76
31	Stable carbon isotopic compositions of total carbon, dicarboxylic acids and glyoxylic acid in the tropical Indian aerosols: Implications for sources and photochemical processing of organic aerosols. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	54
32	Characteristics, seasonality and sources of carbonaceous and ionic components in the tropical aerosols from Indian region. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8215-8230.	4.9	79
33	Molecular characterization of urban organic aerosol in tropical India: contributions of primary emissions and secondary photooxidation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2663-2689.	4.9	200
34	Elevated nitrogen isotope ratios of tropical Indian aerosols from Chennai: Implication for the origins of aerosol nitrogen in South and Southeast Asia. <i>Atmospheric Environment</i> , 2010, 44, 3597-3604.	4.1	80
35	New Directions: Need for better understanding of plastic waste burning as inferred from high abundance of terephthalic acid in South Asian aerosols. <i>Atmospheric Environment</i> , 2010, 44, 5320-5321.	4.1	56
36	Water-soluble organic carbon, dicarboxylic acids, ketoacids, and $\delta^{13}\text{C}$ -dicarbonyls in the tropical Indian aerosols. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	130

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37	Assessment of aerosol (PM10) and trace elemental interactions by Taguchi experimental design approach. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 562-567.	6.0	15
38	Chemical Composition of Atmospheric Aerosol (PM10) at a Semi-arid Urban Site: Influence of Terrestrial Sources. <i>Environmental Monitoring and Assessment</i> , 2006, 117, 291-305.	2.7	33
39	A study on trace elemental composition of atmospheric aerosols at a semi-arid urban site using ICP-MS technique. <i>Atmospheric Environment</i> , 2006, 40, 136-146.	4.1	72
40	Rainwater chemistry at a regional representative urban site: influence of terrestrial sources on ionic composition. <i>Atmospheric Environment</i> , 2005, 39, 999-1008.	4.1	173
41	Differential Pulse Anodic Stripping Voltammetric Determination of Pb, Cd, Cu, and Zn in Air, Diet, and Blood Samples: Exposure Assessment. <i>Analytical Letters</i> , 2005, 38, 463-475.	1.8	13
42	Monitoring of air pollution in Indian metropolitan cities: modelling and quality indexing. <i>International Journal of Environment and Pollution</i> , 2004, 21, 365.	0.2	12
43	A study on major inorganic ion composition of atmospheric aerosols at Tirupati. <i>Journal of Hazardous Materials</i> , 2003, 96, 217-228.	12.4	43
44	Determination of zinc, copper, lead and cadmium in some medicinally important leaves by differential pulse anodic stripping analysis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2003, 17, 79-83.	3.0	15