Tarun Gupta

List of Publications by Year in descending order

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		87723	53109
170	8,758	38	85
papers	citations	h-index	g-index

174	174	174	10783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory infections in 195 countries, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Infectious Diseases, The, 2018, 18, 1191-1210.	4.6	1,084
2	Nations within a nation: variations in epidemiological transition across the states of India, 1990â€“2016 in the Global Burden of Disease Study. Lancet, The, 2017, 390, 2437-2460.	6.3	647
3	Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. Lancet, The, 2018, 391, 2236-2271.	6.3	638
4	Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990â€“2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet, The, 2021, 397, 2337-2360.	6.3	609
5	The impact of air pollution on deaths, disease burden, and life expectancy across the states of India: the Global Burden of Disease Study 2017. Lancet Planetary Health, The, 2019, 3, e26-e39.	5.1	536
6	Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. Lancet Planetary Health, The, 2021, 5, e25-e38.	5.1	269
7	The burden of chronic respiratory diseases and their heterogeneity across the states of India: the Global Burden of Disease Study 1990â€“2016. The Lancet Global Health, 2018, 6, e1363-e1374.	2.9	222
8	Variability of outdoor fine particulate (PM2.5) concentration in the Indian Subcontinent: A remote sensing approach. Remote Sensing of Environment, 2012, 127, 153-161.	4.6	201
9	Chemical Characterization and Source Apportionment of Submicron (PM1) Aerosol in Kanpur Region, India. Aerosol and Air Quality Research, 2010, 10, 433-445.	0.9	183
10	Secondary Organic Aerosol: A Comparison between Foggy and Nonfoggy Days. Environmental Science & Technology, 2011, 45, 7307-7313.	4.6	147
11	Particulate emissions from biodiesel vs diesel fuelled compression ignition engine. Renewable and Sustainable Energy Reviews, 2011, 15, 3278-3300.	8.2	138
12	Annual trends in occurrence of submicron particles in ambient air and health risk posed by particle bound metals. Chemosphere, 2016, 146, 582-590.	4.2	126
13	Removal of hexavalent chromium upon interaction with biochar under acidic conditions: mechanistic insights and application. Environmental Science and Pollution Research, 2017, 24, 16786-16797.	2.7	105
14	Comparative compression ignition engine performance, combustion, and emission characteristics, and trace metals in particulates from Waste cooking oil, Jatropha and Karanja oil derived biodiesels. Fuel, 2019, 236, 1366-1376.	3.4	102
15	Particulate emissions from biodiesel fuelled CI engines. Energy Conversion and Management, 2015, 94, 311-330.	4.4	101
16	Chemical characterization of PM1.0 aerosol in Delhi and source apportionment using positive matrix factorization. Environmental Science and Pollution Research, 2017, 24, 445-462.	2.7	94
17	Photocatalytic reduction of organic pollutant under visible light by green route synthesized gold nanoparticles. Journal of Environmental Sciences, 2017, 55, 236-246.	3.2	86
18	Composition and comparative toxicity of particulate matter emitted from a diesel and biodiesel fuelled CRDI engine. Atmospheric Environment, 2012, 46, 472-481.	1.9	80

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19	Source apportionment of carbonaceous fine particulate matter (PM 2.5) in two contrasting cities across the Indoâ€“Gangetic Plain. Atmospheric Pollution Research, 2015, 6, 398-405.	1.8	77
20	Application of waste cooking oil (WCO) biodiesel in a compression ignition engine. Fuel, 2016, 176, 20-31.	3.4	74
21	Realâ€time measurements of ambient aerosols in a polluted Indian city: Sources, characteristics, and processing of organic aerosols during foggy and nonfoggy periods. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9006-9019.	1.2	68
22	Measurement of number and size distribution of particles emitted from a mid-sized transportation multipoint port fuel injection gasoline engine. Fuel, 2010, 89, 2230-2233.	3.4	67
23	Characterization of exhaust particulates from diesel fueled homogenous charge compression ignition combustion engine. Journal of Aerosol Science, 2013, 58, 71-85.	1.8	64
24	Sources of submicron aerosol during fog-dominated wintertime at Kanpur. Environmental Science and Pollution Research, 2013, 20, 5615-5629.	2.7	63
25	Effect through inhalation on human health of PM 1 bound polycyclic aromatic hydrocarbons collected from foggy days in northern part of India. Journal of Hazardous Materials, 2016, 306, 257-268.	6.5	63
26	Chemical characterization and quantitativ e assessment of source-specific health risk of trace metals in PM1.0 at a road site of Delhi, India. Environmental Science and Pollution Research, 2018, 25, 8747-8764.	2.7	58
27	Light absorption characteristics of brown carbon during foggy and non-foggy episodes over the Indo-Gangetic Plain. Atmospheric Pollution Research, 2018, 9, 494-501.	1.8	54
28	Composition and source apportionment of PM1 at urban site Kanpur in India using PMF coupled with CBPF. Atmospheric Research, 2016, 178-179, 506-520.	1.8	53
29	Chemical composition and source-apportionment of sub-micron particles during wintertime over Northern India: New insights on influence of fog-processing. Environmental Pollution, 2018, 233, 81-91.	3.7	53
30	Chemical characteristics of aerosol and rain water during an El NiÃ±o and PDO influenced Indian summer monsoon. Atmospheric Environment, 2016, 145, 192-200.	1.9	52
31	Chemical Characterization of Summertime Dust Events at Kanpur: Insight into the Sources and Level of Mixing with Anthropogenic Emissions. Aerosol and Air Quality Research, 2014, 14, 879-891.	0.9	51
32	Chemical characterisation and source apportionment of PM₁ during massive loading at an urban location in Indo-Gangetic Plain: impact of local sources and long-range transport. Tellus, Series B: Chemical and Physical Meteorology, 2022, 68, 30659.	0.8	50
33	One year record of bioaerosols and particles concentration in Indo-Gangetic Plain: Implications of biomass burning emissions to high-level of endotoxin exposure. Environmental Pollution, 2017, 224, 98-106.	3.7	49
34	Analysis of Diurnal and Seasonal Variation of Submicron Outdoor Aerosol Mass and Size Distribution in a Northern Indian City and Its Correlation to Black Carbon. Aerosol and Air Quality Research, 2009, 9, 458-469.	0.9	48
35	The Discoloration of the Taj Mahal due to Particulate Carbon and Dust Deposition. Environmental Science & Technology, 2015, 49, 808-812.	4.6	45
36	Deposition modeling of ambient aerosols in human respiratory system: Health implication of fine particles penetration into pulmonary region. Atmospheric Pollution Research, 2019, 10, 334-343.	1.8	45

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37	Effect of Engine Load on Size and Number Distribution of Particulate Matter Emitted from a Direct Injection Compression Ignition Engine. Aerosol and Air Quality Research, 2011, 11, 915-920.	0.9	45
38	Trace metals and ions in particulates emitted by biodiesel fuelled engine. Fuel, 2017, 188, 603-609.	3.4	43
39	Spatial distribution and the extent of heavy metal and hexavalent chromium pollution in agricultural soils from Jajmau, India. Environmental Earth Sciences, 2015, 73, 3565-3577.	1.3	41
40	Mutagenicity and Cytotoxicity of Particulate Matter Emitted from Biodiesel-Fueled Engines. Environmental Science & Technology, 2018, 52, 14496-14507.	4.6	40
41	Review of Experimental and Computational Studies on Spray, Combustion, Performance, and Emission Characteristics of Biodiesel Fueled Engines. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	40
42	Source apportionment and risk assessment of PM 1 bound trace metals collected during foggy and non-foggy episodes at a representative site in the Indo-Gangetic plain. Science of the Total Environment, 2016, 550, 80-94.	3.9	39
43	Nanostructure characterization of soot particles from biodiesel and diesel spray flame in a constant volume combustion chamber. Fuel, 2019, 235, 130-149.	3.4	39
44	Development and Laboratory Performance Evaluation of a Personal Cascade Impactor. Journal of the Air and Waste Management Association, 2002, 52, 1230-1237.	0.9	38
45	Identification and quantification of indoor air pollutant sources within a residential academic campus. Science of the Total Environment, 2016, 569-570, 46-52.	3.9	38
46	Effectiveness of non-noble metal based diesel oxidation catalysts on particle number emissions from diesel and biodiesel exhaust. Science of the Total Environment, 2017, 574, 1512-1520.	3.9	38
47	Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990â€“2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet Public Health, The, 2021, 6, e482-e499.	4.7	38
48	Development and Performance Evaluation of a High-Volume Ultrafine Particle Concentrator for Inhalation Toxicological Studies. Inhalation Toxicology, 2004, 16, 851-862.	0.8	37
49	Assessment of personal exposure to inhalable indoor and outdoor particulate matter for student residents of an academic campus (IIT-Kanpur). Inhalation Toxicology, 2009, 21, 1208-1222.	0.8	37
50	Investigations on air-fuel mixing and flame characteristics of biodiesel fuels for diesel engine application. Applied Energy, 2017, 206, 1203-1213.	5.1	37
51	Dicarboxylic acids and levoglucosan in aerosols from Indo-Gangetic Plain: Inferences from day night variability during wintertime. Science of the Total Environment, 2018, 624, 451-460.	3.9	37
52	Observation-based 3-D view of aerosol radiative properties over Indian Continental Tropical Convergence Zone: implications to regional climate. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 971.	0.8	36
53	Field performance evaluation of a newly developed PM2.5 sampler at IIT Kanpur. Science of the Total Environment, 2011, 409, 3500-3507.	3.9	35
54	An overview of the physico-chemical characteristics of dust at Kanpur in the central Indo-Gangetic basin. Atmospheric Environment, 2014, 97, 386-396.	1.9	34

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55	Chemical composition and characteristics of ambient aerosols and rainwater residues during Indian summer monsoon: Insight from aerosol mass spectrometry. Atmospheric Environment, 2016, 136, 144-155.	1.9	34
56	Improved method to apportion optical absorption by black and brown carbon under the influence of haze and fog at Lumbini, Nepal, on the Indo-Gangetic Plains. Environmental Pollution, 2020, 263, 114640.	3.7	34
57	A High Volume Apparatus for the Condensational Growth of Ultrafine Particles for Inhalation Toxicological Studies. Aerosol Science and Technology, 2002, 36, 1061-1072.	1.5	33
58	Toxicity and mutagenicity of exhaust from compressed natural gas: Could this be a clean solution for megacities with mixed-traffic conditions?. Environmental Pollution, 2018, 239, 499-511.	3.7	33
59	Particles emitted from indoor combustion sources: size distribution measurement and chemical analysis. Inhalation Toxicology, 2009, 21, 837-848.	0.8	31
60	Electrocardiographic and respiratory responses to coal-fired power plant emissions in a rat model of acute myocardial infarction: results from the Toxicological Evaluation of Realistic Emissions of Source Aerosols Study. Inhalation Toxicology, 2011, 23, 84-94.	0.8	30
61	Emission profiling of diesel and gasoline cars at a city traffic junction. Particuology, 2015, 18, 186-193.	2.0	30
62	Characterization of organic residues of sizeâ€resolved fog droplets and their atmospheric implications. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4317-4332.	1.2	30
63	Particulate Characterization and Size Distribution in the Exhaust of a Gasoline Homogeneous Charge Compression Ignition Engine. Aerosol and Air Quality Research, 2015, 15, 504-516.	0.9	30
64	Development of a High-Volume Concentrated Ambient Particles System (CAPS) for Human and Animal Inhalation Toxicological Studies. Inhalation Toxicology, 2003, 15, 111-129.	0.8	29
65	Effect of aqueous-phase processing on the formation and evolution of organic aerosol (OA) under different stages of fog life cycles. Atmospheric Environment, 2019, 206, 60-71.	1.9	29
66	Toxicological Evaluation of Realistic Emission Source Aerosols (TERESA)â€”Power plant studies: assessment of breathing pattern. Inhalation Toxicology, 2011, 23, 42-59.	0.8	28
67	Cardiac and pulmonary oxidative stress in rats exposed to realistic emissions of source aerosols. Inhalation Toxicology, 2011, 23, 75-83.	0.8	28
68	Harmonisation of nanoparticle concentration measurements using GRIMM and TSI scanning mobility particle sizers. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	28
69	Water soluble organic aerosols in indo gangetic plain (IGP): Insights from aerosol mass spectrometry. Science of the Total Environment, 2017, 599-600, 1573-1582.	3.9	28
70	Emissions from diesel versus biodiesel fuel used in a CRDI SUV engine: PM mass and chemical composition. Inhalation Toxicology, 2011, 23, 449-458.	0.8	27
71	Assessment of toxic potential of primary and secondary particulates/aerosols from biodiesel vis-Ã-vis mineral diesel fuelled engine. Inhalation Toxicology, 2013, 25, 325-332.	0.8	27
72	Role of transition metals with water soluble organic carbon in the formation of secondary organic aerosol and metalloâ€organics in PM1 sampled during post monsoon and pre-winter time. Journal of Aerosol Science, 2016, 94, 56-69.	1.8	27

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73	Aged particles derived from emissions of coal-fired power plants: The TERESA field results. Inhalation Toxicology, 2011, 23, 11-30.	0.8	26
74	Performance and emission evaluation of a small-bore biodiesel compression-ignition engine. Energy, 2019, 183, 971-982.	4.5	26
75	Absorption properties and forcing efficiency of light-absorbing water-soluble organic aerosols: Seasonal and spatial variability. Environmental Pollution, 2021, 272, 115932.	3.7	26
76	Toxicological Evaluation of Realistic Emission Source Aerosols (TERESA)-power plant studies: assessment of cellular responses. Inhalation Toxicology, 2011, 23, 60-74.	0.8	25
77	First Surface Measurement of Cloud Condensation Nuclei over Kanpur, IGP: Role of Long Range Transport. Aerosol Science and Technology, 2012, 46, 973-982.	1.5	25
78	The diurnal variability of sulfate and nitrate aerosols during wintertime in the Indo-Gangetic Plain: implications for heterogeneous phase chemistry. RSC Advances, 2016, 6, 89879-89887.	1.7	25
79	Understanding the origin of carbonaceous aerosols during periods of extensive biomass burning in northern India. Environmental Pollution, 2021, 270, 116082.	3.7	25
80	Development and laboratory characterization of a prototype coarse particle concentrator for inhalation toxicological studies. Journal of Aerosol Science, 2002, 33, 1111-1123.	1.8	24
81	Combined effects of organic aerosol loading and fog processing on organic aerosols oxidation, composition, and evolution. Science of the Total Environment, 2016, 573, 690-698.	3.9	24
82	Variation of particle number and mass concentration and associated mass deposition during Diwali festival. Urban Climate, 2018, 24, 1027-1036.	2.4	24
83	Realtime chemical characterization of post monsoon organic aerosols in a polluted urban city: Sources, composition, and comparison with other seasons. Environmental Pollution, 2018, 232, 310-321.	3.7	24
84	A Comparative Morphological Study of Primary and Aged Particles Emitted from a Biodiesel (B20) vis-Ã;-vis Diesel Fuelled CRDI Engine. Aerosol and Air Quality Research, 2014, 14, 934-942.	0.9	24
85	Speciation of atmospheric polycyclic aromatic hydrocarbons (PAHs) present during fog time collected submicron particles. Environmental Science and Pollution Research, 2015, 22, 12458-12468.	2.7	23
86	Physico-chemical speciation of particulates emanating from Karanja biodiesel fuelled automotive engine. Fuel, 2015, 162, 84-90.	3.4	23
87	Synergistic effect in absorption properties of brown carbon and elemental carbon over IGP during weak south-west monsoon. Aerosol Science and Engineering, 2017, 1, 138-149.	1.1	23
88	Development of an Exposure System for the Toxicological Evaluation of Particles Derived from Coal-Fired Power Plants. Inhalation Toxicology, 2007, 19, 607-619.	0.8	22
89	Investigation of size distribution and mass characteristics of ambient aerosols and their combustion sources during post-monsoon in northern India. Atmospheric Pollution Research, 2020, 11, 170-178.	1.8	22
90	Development and Field Evaluation of a Multiple Slit Nozzle-Based High Volume PM2.5 Inertial Impactor Assembly (HVIA). Aerosol and Air Quality Research, 2015, 15, 1188-1200.	0.9	22

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91	Toxic Potential Evaluation of Particulate Matter Emitted from a Constant Speed Compression Ignition Engine: A Comparison between Straight Vegetable Oil and Mineral Diesel. Aerosol Science and Technology, 2010, 44, 724-733.	1.5	21
92	CCN closure results from Indian Continental Tropical Convergence Zone (CTCZ) aircraft experiment. Atmospheric Research, 2013, 132-133, 322-331.	1.8	20
93	Chemical composition of diesel particulate matter and its control. Catalysis Reviews - Science and Engineering, 2019, 61, 447-515.	5.7	20
94	Scavenging efficiency of water soluble inorganic and organic aerosols by fog droplets in the Indo Gangetic Plain. Atmospheric Research, 2020, 235, 104767.	1.8	20
95	Effects of Physicochemical Properties of Ultrafine Particles on the Performance of an Ultrafine Particle Concentrator. Aerosol Science and Technology, 2004, 38, 37-45.	1.5	19
96	Development and Evaluation of a Photochemical Chamber to Examine the Toxicity of Coal-Fired Power Plant Emissions. Inhalation Toxicology, 2007, 19, 597-606.	0.8	19
97	Field performance evaluation during fog-dominated wintertime of a newly developed denuder-equipped PM1 sampler. Environmental Science and Pollution Research, 2014, 21, 4551-4564.	2.7	19
98	HRTEM evaluation of primary soot particles originated in a small-bore biofuel compression-ignition engine. Applied Thermal Engineering, 2019, 159, 113899.	3.0	19
99	Absorption and radiative characteristics of brown carbon aerosols during crop residue burning in the source region of Indo-Gangetic Plain. Atmospheric Research, 2021, 249, 105285.	1.8	19
100	Wintertime chemical characteristics of aerosol and their role in light extinction during clear and polluted days in rural Indo Gangetic plain. Environmental Pollution, 2021, 282, 117034.	3.7	19
101	In-Cylinder Spray and Combustion Investigations in a Heavy-Duty Optical Engine Fueled With Waste Cooking Oil, Jatropha, and Karanja Biodiesels. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	1.4	17
102	Development and Laboratory Performance Evaluation of a Variable Configuration PM1/PM2.5 Impaction-Based Sampler. Aerosol and Air Quality Research, 2015, 15, 768-775.	0.9	17
103	Development of low cost mixed metal oxide based diesel oxidation catalysts and their comparative performance evaluation. RSC Advances, 2016, 6, 55884-55893.	1.7	16
104	Morphology, Mineralogy and Mixing of Individual Atmospheric Particles Over Kanpur (IGP): Relevance of Homogeneous Equivalent Sphere Approximation in Radiative Models. Mapan - Journal of Metrology Society of India, 2017, 32, 229-241.	1.0	16
105	Chemical characterization and stable nitrogen isotope composition of nitrogenous component of ambient aerosols from Kanpur in the Indo-Gangetic Plains. Science of the Total Environment, 2021, 763, 143032.	3.9	16
106	Experimental Study of the Effects of Environmental and Fog Condensation Nuclei Parameters on the Rate of Fog Formation and Dissipation Using a New Laboratory Scale Fog Generation Facility. Aerosol and Air Quality Research, 2011, 11, 140-154.	0.9	16
107	Personal exposure measurement of students to various microenvironments inside and outside the college campus. Environmental Monitoring and Assessment, 2014, 186, 735-750.	1.3	14
108	Role of ammonium ion and transition metals in the formation of secondary organic aerosol and metallo-organic complex within fog processed ambient deliquescent submicron particles collected in central part of Indo-Gangetic Plain. Chemosphere, 2017, 181, 725-737.	4.2	14

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109	Measurement of personal and integrated exposure to particulate matter and co-pollutant gases. Environmental Science and Pollution Research, 2013, 20, 1632-1648.	2.7	13
110	Seasonal differences in aerosol abundance and radiative forcing in months of contrasting emissions and rainfall over northern South Asia. Atmospheric Environment, 2016, 125, 512-523.	1.9	13
111	A qualitative correlation between engine exhaust particulate number and mass emissions. Fuel, 2017, 202, 241-245.	3.4	13
112	Study of temporal variability and mass closure of PM2.5 and its chemical constituents during weak south-west monsoon. Atmospheric Pollution Research, 2018, 9, 864-870.	1.8	13
113	Performance evaluation of a biodiesel fuelled transportation engine retrofitted with a non-noble metal catalysed diesel oxidation catalyst for controlling unregulated emissions. Journal of Hazardous Materials, 2018, 344, 615-625.	6.5	13
114	Toxicity of exhaust particulates and gaseous emissions from gasohol (ethanol blended) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (ga 1540-1553.	1.7	13
115	High Loadings of Water-Soluble Oxalic Acid and Related Compounds in PM2.5 Aerosols in Eastern Central India: Influence of Biomass Burning and Photochemical Processing. Aerosol and Air Quality Research, 2019, 9, 2625-2644.	0.9	13
116	Risk assessment of submicron PM-bound hexavalent chromium during wintertime. Human and Ecological Risk Assessment (HERA), 2018, 24, 1453-1463.	1.7	12
117	Influence of regional and long range transport air masses on fog water composition, contribution and toxicological response at Indo Gangetic Plain. Atmospheric Environment, 2019, 214, 116888.	1.9	12
118	Wintertime hygroscopic growth factors (HGFs) of accumulation mode particles and their linkage to chemical composition in a heavily polluted urban atmosphere of Kanpur at the Centre of IGP, India: Impact of ambient relative humidity. Science of the Total Environment, 2020, 704, 135363.	3.9	12
119	Chemical characterization, source identification and health risk assessment of polycyclic aromatic hydrocarbons in ambient particulate matter over central Indo-Gangetic Plain. Urban Climate, 2021, 35, 100755.	2.4	12
120	Techniques to Control Emissions from a Diesel Engine. Energy, Environment, and Sustainability, 2018, , 57-72.	0.6	11
121	Wintertime study on bulk composition and stable carbon isotope analysis of ambient aerosols from North India. Journal of Aerosol Science, 2018, 126, 231-241.	1.8	11
122	Source Apportionment for Water Soluble Organic Matter of Submicron Aerosol: A Comparison between Foggy and Nonfoggy Episodes. Aerosol and Air Quality Research, 2014, 14, 1527-1533.	0.9	11
123	Emerging Major Role of Organic Aerosols in Explaining the Occurrence, Frequency, and Magnitude of Haze and Fog Episodes during Wintertime in the Indo Gangetic Plain. ACS Omega, 2022, 7, 1575-1584.	1.6	11
124	Meteorological Influence and Chemical Compositions of Atmospheric Particulate Matters in an Indian Urban Area. ACS Earth and Space Chemistry, 2021, 5, 1686-1694.	1.2	10
125	Absorption characteristics of aerosols over the central Himalayas and its adjacent foothills. Atmospheric Research, 2020, 233, 104718.	1.8	9
126	Variabilities of Î´13C and carbonaceous components in ambient PM2.5 in Northeast India: Insights into sources and atmospheric processes. Environmental Research, 2022, 214, 113801.	3.7	9

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127	Introduction to Biofuels. Green Energy and Technology, 2017, , 3-6.	0.4	8
128	Effects of organic aerosol loading and fog processing on organic aerosol volatility. Journal of Aerosol Science, 2017, 105, 73-83.	1.8	8
129	Introduction to Air Pollution and Its Control. Energy, Environment, and Sustainability, 2018, , 3-7.	0.6	8
130	Lipid peroxidation index of particulate matter: Novel metric for quantifying intrinsic oxidative potential and predicting toxic responses. Redox Biology, 2021, 48, 102189.	3.9	8
131	Oxidation Stability of Biodiesel Produced from Non-Edible Oils of African Origin. , 2011, , .		7
132	Insights into sources and atmospheric processing at two polluted urban locations in the Indo-Gangetic plains from stable carbon and nitrogen isotope ratios and polycyclic aromatic hydrocarbons in ambient PM2.5. Atmospheric Environment, 2022, 271, 118904.	1.9	7
133	Effect of processing on emission characteristics of coal briquettes in cookstoves. Energy for Sustainable Development, 2022, 69, 77-86.	2.0	7
134	Study of Environmental Particle Levels, Its Effects on Lung Deposition and Relationship With Human Behaviour. Energy, Environment, and Sustainability, 2018, , 77-91.	0.6	6
135	Preparation of mesoporous carbon composites and its highly enhanced removal capacity of toxic pollutants from air. Journal of Environmental Chemical Engineering, 2019, 7, 103271.	3.3	6
136	Alternative Approach for the In Situ Measurement of Absorption Enhancement of Atmospheric Black Carbon Due to Atmospheric Mixing. ACS Earth and Space Chemistry, 2022, 6, 261-267.	1.2	6
137	Particulate Characterization of Biodiesel Fuelled Compression Ignition Engine. , 0, , .		5
138	Determining the relationship between chemical composition and size, shape and effective density of airborne fine particles through concurrent use of inertial and optical based measurements. Particuology, 2016, 28, 93-101.	2.0	5
139	Near Nozzle Flow and Atomization Characteristics of Biodiesel Fuels. , 0, , .		5
140	Source Contribution of Firecrackers Burst vs. Long-Range Transport of Biomass Burning Emissions Over an Urban Background. Frontiers in Sustainable Cities, 2021, 2, .	1.2	5
141	Seasonal bioaerosol load and statistical analysis within different microenvironments of an academic institute situated in the Indo-Gangetic Plain. Aerobiologia, 2021, 37, 663-680.	0.7	5
142	Diesel fuel particulate emission control using low-cost catalytic materials. Fuel, 2021, 302, 121157.	3.4	5
143	The Secondary Organic Carbon (SOC) Formation from a CRDI Automotive Diesel Engine Exhaust. , 2011, , .		4
144	An evaluation of the emission profile for two-wheelers at a traffic junction. Particuology, 2015, 18, 112-119.	2.0	4

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145	Fast and efficient removal of Toluene, Ethylbenzene and O-Xylene from aqueous phase by functionalized carbon micro/nano composites. Journal of Environmental Chemical Engineering, 2018, 6, 4917-4926.	3.3	4
146	Instrumental Variable Analysis in Atmospheric and Aerosol Chemistry. Frontiers in Environmental Science, 2020, 8, .	1.5	4
147	Multiple site ground-based evaluation of carbonaceous aerosol mass concentrations retrieved from CAMS and MERRA-2 over the Indo-Gangetic Plain. Environmental Science Atmospheres, 2021, 1, 577-590.	0.9	4
148	Evaluation of a newly developed diffusion denuder for atmospheric aerosol separation from co-pollutant gases. Science of the Total Environment, 2012, 439, 150-157.	3.9	3
149	An Experimental Investigation on Spray Characteristics of Waste Cooking Oil, Jatropha, and Karanja Biodiesels in a Constant Volume Combustion Chamber. , 0, , .		3
150	Evaluation of Lanthanum Based Diesel Oxidation Catalyst for Emission Reduction with and without Ceria Support. , 0, , .		3
151	Recommendations for calibration factors for a photo-reference method for aerosol black carbon concentrations. Atmospheric Pollution Research, 2016, 7, 75-81.	1.8	3
152	Atmospheric Emissions from Thermal (Coal-Fired) Power Plants and Associated Environmental Impacts. Energy, Environment, and Sustainability, 2019, , 53-72.	0.6	3
153	Long-Term Trends in Black Carbon and Aerosol Optical Depth Over the Central Himalayas: Potential Causes and Implications. Frontiers in Earth Science, 0, 10, .	0.8	3
154	Comparative Study of PM Mass and Chemical Composition from Diesel and Biodiesel Fuelled CRDI SUV Engine. , 0, , .		2
155	Biodiesel Soot Characteristics. Energy, Environment, and Sustainability, 2018, , 45-55.	0.6	2
156	Bioaerosols Over the Indo-Gangetic Plain: Influence of Biomass Burning Emission and Ambient Meteorology. Energy, Environment, and Sustainability, 2018, , 93-121.	0.6	2
157	Introduction of Measurement, Analysis and Remediation of Environmental Pollutants. Energy, Environment, and Sustainability, 2020, , 1-5.	0.6	2
158	In-situ Measurements of Aerosols from the High-Altitude Location in the Central Himalayas. Energy, Environment, and Sustainability, 2020, , 59-89.	0.6	2
159	Stable Carbon Isotope and Bulk Composition of Wintertime Aerosols from Kanpur. Energy, Environment, and Sustainability, 2018, , 209-220.	0.6	1
160	Exposure Science: Monitoring Environmental Contaminants. , 2019, , 833-839.		1
161	Image-Based Flame Temperature and Soot Analysis of Biofuel Spray Combustion. Energy, Environment, and Sustainability, 2019, , 41-54.	0.6	1
162	A User-Centric Design Thinking Approach for Advancement in Off-Line PM Air Samplers: Current Status and Future Directions. Aerosol Science and Engineering, 2020, 4, 239-259.	1.1	1

#	Article	IF	Citations
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