Li-Hao Young

List of Publications by Year
in descending order

51 papers	1,453 citations	304743 22 h-index	345221 36 g-index
51 all docs	51 docs citations	51 times ranked	2244 citing authors

#	Article	IF	Citations
1	Impact of the COVID-19 Event on Air Quality in Central China. Aerosol and Air Quality Research, 2020, 20, 915-929.	2.1	163
2	Laboratory studies of H₂SO₄/H₂O binary homogeneous nucleation from the SO₂+OH reaction: evaluation of the experimental setup and preliminary results. Atmospheric Chemistry and Physics, 2008, 8, 4997-5016.	4.9	95
3	Air Quality Index, Indicatory Air Pollutants and Impact of COVID-19 Event on the Air Quality near Central China. Aerosol and Air Quality Research, 2020, 20, 1204-1221.	2.1	80
4	Laboratoryâ€measured nucleation rates of sulfuric acid and water binary homogeneous nucleation from the SO₂ + OH reaction. Geophysical Research Letters, 2008, 35, .	4.0	71
5	Effects of waste cooking oil-based biodiesel on the toxic organic pollutant emissions from a diesel engine. Applied Energy, 2014, 113, 631-638.	10.1	63
6	Effects of biodiesel, engine load and diesel particulate filter on nonvolatile particle number size distributions in heavy-duty diesel engine exhaust. Journal of Hazardous Materials, 2012, 199-200, 282-289.	12.4	61
7	Correlation of aerosol nucleation rate with sulfuric acid and ammonia in Kent, Ohio: An atmospheric observation. Journal of Geophysical Research, 2010, 115, .	3.3	60
8	New particle growth and shrinkage observed in subtropical environments. Atmospheric Chemistry and Physics, 2013, 13, 547-564.	4.9	57
9	Field performance of a semi-continuous monitor for ambient PM2.5 water-soluble inorganic ions and gases at a suburban site. Atmospheric Environment, 2016, 144, 376-388.	4.1	54
10	Observations of nighttime new particle formation in the troposphere. Journal of Geophysical Research, 2008, 113, .	3.3	46
11	Enhanced new particle formation observed in the northern midlatitude tropopause region. Journal of Geophysical Research, 2007, 112, .	3.3	43
12	Noise frequency components and the prevalence of hypertension in workers. Science of the Total Environment, 2012, 416, 89-96.	8.0	43
13	Impact of high soot-loaded and regenerated diesel particulate filters on the emissions of persistent organic pollutants from a diesel engine fueled with waste cooking oil-based biodiesel. Applied Energy, 2017, 191, 35-43.	10.1	39
14	PM2.5 components and outpatient visits for asthma: A time-stratified case-crossover study in a suburban area. Environmental Pollution, 2017, 231, 1085-1092.	7.5	36
15	Source and health risk apportionment for PM2.5 collected in Sha-Lu area, Taiwan. Atmospheric Pollution Research, 2020, 11, 851-858.	3.8	35
16	Characterization of Ultrafine Particle Number Concentration and Size Distribution During a Summer Campaign in Southwest Detroit. Journal of the Air and Waste Management Association, 2004, 54, 1079-1090.	1.9	33
17	Reducing Emissions of Persistent Organic Pollutants from a Diesel Engine by Fueling with Water-Containing Butanol Diesel Blends. Environmental Science & Technology, 2014, 48, 6010-6018.	10.0	32
18	Characteristics, Sources, and Health Risks of Atmospheric PM2.5-Bound Polycyclic Aromatic Hydrocarbons in Hsinchu, Taiwan. Aerosol and Air Quality Research, 2017, 17, 563-573.	2.1	32

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19	Carbonaceous composition changes of heavy-duty diesel engine particles in relation to biodiesels, aftertreatments and engine loads. Journal of Hazardous Materials, 2015, 297, 234-240.	12.4	30
20	COVID-19: An Aerosolâ€™s Point of View from Expiration to Transmission to Viral-mechanism. Aerosol and Air Quality Research, 2020, , 905-910.	2.1	30
21	Characterization of n-alkanes in PM2.5 of the Taipei aerosol. Atmospheric Environment, 2002, 36, 477-482.	4.1	29
22	Occupational Noise Frequencies and the Incidence of Hypertension in a Retrospective Cohort Study. American Journal of Epidemiology, 2016, 184, 120-128.	3.4	29
23	Characterization of complex mixtures in urban atmospheres for inhalation exposure studies. Experimental and Toxicologic Pathology, 2005, 57, 19-29.	2.1	24
24	Fine Particle, Ozone Exposure, and Asthma/Wheezing: Effect Modification by Glutathione S-transferase P1 Polymorphisms. PLoS ONE, 2013, 8, e52715.	2.5	22
25	Spatiotemporal variability of submicrometer particle number size distributions in an air quality management district. Science of the Total Environment, 2012, 425, 135-145.	8.0	21
26	Ambient air concentrations of PCDD/Fs, coplanar PCBs, PBDD/Fs, and PBDEs and their impacts on vegetation and soil. International Journal of Environmental Science and Technology, 2015, 12, 2997-3008.	3.5	19
27	Aqueous film formation on irregularly shaped inorganic nanoparticles before deliquescence, as revealed by a hygroscopic differential mobility analyzerâ€“Aerosol particle mass system. Aerosol Science and Technology, 2016, 50, 568-577.	3.1	19
28	VOCs emission characteristics in motorcycle exhaust with different emission control devices. Atmospheric Pollution Research, 2019, 10, 1498-1506.	3.8	18
29	Quantifying the impacts of PM2.5 constituents and relative humidity on visibility impairment in a suburban area of eastern Asia using long-term in-situ measurements. Science of the Total Environment, 2022, 818, 151759.	8.0	17
30	An instantaneous spatiotemporal model for predicting traffic-related ultrafine particle concentration through mobile noise measurements. Science of the Total Environment, 2018, 636, 1139-1148.	8.0	13
31	Summertime Ultrafine Particles in Urban and Industrial Air: Aitken and Nucleation Mode Particle Events. Aerosol and Air Quality Research, 2007, 7, 379-402.	2.1	13
32	Spatial variations of ground level ozone concentrations in areas of different scales. Atmospheric Environment, 2001, 35, 5799-5807.	4.1	11
33	The Influences of Diesel Particulate Filter Installation on Air Pollutant Emissions for Used Vehicles. Aerosol and Air Quality Research, 2011, 11, 578-583.	2.1	11
34	Assessing Long-Term Oil Mist Exposures for Workers in a Fastener Manufacturing Industry Using the Bayesian Decision Analysis Technique. Aerosol and Air Quality Research, 2012, 12, 834-842.	2.1	11
35	Chemically and temporally resolved oxidative potential of urban fine particulate matter. Environmental Pollution, 2021, 291, 118206.	7.5	10
36	Field Application of a Newly Developed Personal Nanoparticle Sampler to Selected Metalworking Operations. Aerosol and Air Quality Research, 2013, 13, 849-861.	2.1	10

#	Article	IF	Citations
37	Atmospheric dry plus wet deposition and wet-only deposition of dicarboxylic acids and inorganic compounds in a coastal suburban environment. Atmospheric Environment, 2014, 89, 696-706.	4.1	9
38	Emission of Carbonyl Compounds from Cooking Oil Fumes in the Night Market Areas. Aerosol and Air Quality Research, 2019, 19, 1566-1578.	2.1	9
39	Mass-size distribution and concentration of metals from personal exposure to arc welding fume in pipeline construction: a case report. Industrial Health, 2018, 56, 356-363.	1.0	8
40	Occupational noise exposure and its association with incident hyperglycaemia: a retrospective cohort study. Scientific Reports, 2020, 10, 8584.	3.3	8
41	Development of land-use regression models to estimate particle mass and number concentrations in Taichung, Taiwan. Atmospheric Environment, 2021, 252, 118303.	4.1	8
42	A pilot study for determining the optimal operation condition for simultaneously controlling the emissions of PCDD/Fs and PAHs from the iron ore sintering process. Chemosphere, 2012, 88, 1324-1331.	8.2	7
43	Environmental Health Risk Perception of a Nationwide Sample of Taiwan College Students Majoring in Engineering and Health Sciences. Human and Ecological Risk Assessment (HERA), 2015, 21, 307-326.	3.4	7
44	Source-to-receptor pathways of anthropogenic PM2.5 in Detroit, Michigan: Comparison of two inhalation exposure studies. Atmospheric Environment, 2009, 43, 1805-1813.	4.1	6
45	Effects of temperature, pressure, and carrier gases on the performance of an aerosol particle mass analyser. Atmospheric Measurement Techniques, 2018, 11, 4617-4626.	3.1	3
46	Atmospheric observations of new particle growth and shrinkage. , 2013, , .		2
47	Effect of the Quartz Particle Size on XRD Quantifications and Its Implications for Field Collected Samples. Aerosol and Air Quality Research, 2014, 14, 1573-1583.	2.1	2
48	Elevated emissions of volatile and nonvolatile nanoparticles from heavy-duty diesel engine running on diesel-gas co-fuels. Science of the Total Environment, 2022, 821, 153459.	8.0	2
49	Gaseous and particulate n-alkanes in the Taipei aerosol. Journal of Aerosol Science, 1997, 28, S133-S134.	3.8	1
50	Nanoparticle Exposures in Occupational Environments. , 2014, , 49-72.		1
51	An Integrated Approach to Characterize Temporalâ€“Spatial Variations in PM2.5 Concentrations at the Ground Level and Its Implication on Health Impact Assessments. Frontiers in Environmental Science, 2022, 10, .	3.3	0