

PEER-REVIEWED PUBLICATIONS

Citation Metrics

World Top 2% Scientists (2019, 2020, 2021, 2022) (Environmental Science) (Stanford University-Elsevier-SciTech Strategies)

As of 2024.09.21., by Web of Science, total citations: 14,320, h-index = 70

As of 2024.09.21., by Google Scholar, total citations: 18,799, h-index = 80, i-10 index = 195

- Corresponding authors are **underlined** and marked with *;
- * **in the 1st column denotes corresponding author paper by J. Z. Yu**

Seq#	Authors Title	Source
	2024	
#247 *	Liao, K., Cheng, Y. Y., Yea, S. S., Chen, L. W. A., Seinfeld, J. H., <u>Yu, J. Z.</u> * New Analytical Paradigm to Determine Concentration of Brown Carbon and Its Sample-by-Sample Mass Absorption Efficiency	Environ. Sci. Technol. 2024 . https://doi.org/10.1021/acs.est.4c06831
#246 *	Zhang, Y., Han, R., Sun, X., Sun, C., Griffith S. M., Wu, G., Li, L., Li, W., Zhao, Y., Li, M., Zhou, Z., Wang, W., Sheng, L., <u>Yu, J. Z.</u> *, <u>Zhou, Y.</u> * Sulfate Formation Driven by Wintertime Fog Processing and a Hydroxymethanesulfonate Complex with Iron: Observations from Single-Particle Measurements in Hong Kong	J. Geophys. Res. Atmospheres 2024 , 129, e2023JD040512. https://doi.org/10.1029/2023JD040512
#245 *	Wong, Y. K., Chan, W. W., Gu, D., <u>Yu, J. Z.</u> *, <u>Lau, A. K. H.</u> * Tracking Source Variations of Inhalation Cancer Risks in Hong Kong, China over Two Decades (2000–2020) Using Toxic Air Pollutant Monitoring Data	Environ. Health 2024 , 2(6), 411-421. https://doi.org/10.1021/envhealth.3c00209
#244 *	Wang, S., Liao, K., Zhang, Z., Cheng, Y. Y., Wang, Q. Q., Chen, H., <u>Yu, J. Z.</u> * Bayesian Inference-Based Estimation of Hourly Primary and Secondary Organic Carbon at Suburban Hong Kong: Multi-temporal Scale Variations and Evolution Characteristics during PM _{2.5} Episodes	Atmos. Chem. Phys. 2024 , 24, 5803-5821. https://doi.org/10.5194/acp-24-5803-2024
#243 *	Yu, X., Li, Q., Liao, K., Li, Y., Wang, X., Zhou, Y., Liang, Y., <u>Yu, J. Z.</u> * New Measurements Reveal a Large Contribution of Nitrogenous Molecules to Ambient Organic Aerosol	NPJ Clim. Atmos. Sci. 2024 , 7, 72. https://doi.org/10.1038/s41612-024-00620-6
#242	Song, Y., Zhang, Y., Zhu, L., Chen, Y., Chen, Y. J., Zhu, Z., Feng, J., Qi, Z., <u>Yu, J. Z.</u> , Zhu, Y., <u>Cai, Z.</u> * Phosphocholine-induced Energy Source Shift Alleviates Mitochondrial Dysfunction in Lung Cells Caused by Geospecific PM _{2.5} Components	PNAS 2024 , 121, e2317574121. https://doi.org/10.1073/pnas.2317574121
#241	Yang, Y., Sun, M., Wu, G., Qi, Y., Zhu, W., Zhao, Y., Zhu, Y., Li, W., Zhang, Y., Wang, N., Sheng, L., Wang, W., Yu, X., <u>Yu, J. Z.</u> , Yao, X., <u>Zhou, Y.</u> * Characteristics of Aerosol Aminiums over a Coastal City in North China: Insights from the Divergent Impacts of Marine and Terrestrial Influences	Sci. Tot. Environ. 2024 , 918, 170672. https://doi.org/10.1016/j.scitotenv.2024.170672
#240	Sun, H., <u>Gu, D.</u> *, Feng, X., Wang, Z., Cao, X., Sun, M., Ning, Z., Zheng, P., Mai, Y., Xu, Z., Chan, W. M., Li, X., Zhang, W., Lee, H. W., Leung, K. F., <u>Yu, J. Z.</u> , Lee, E., Louie, P. K. K., Leung, K. Cruise Observation of Ambient Volatile Organic Compounds over Hong Kong Coastal Water	Atmos. Environ. 2024 , 323, 120387. https://doi.org/10.1016/j.atmosenv.2024.120387
#239 *	He, X., Huang, X. H. H., Ma, Y., Huang, C., <u>Yu, J. Z.</u> * Unambiguous Analysis and Systematic Mapping of Oxygenated Aromatic Compounds in Atmospheric Aerosols Using Ultrahigh-Resolution Mass Spectrometry	Anal. Chem. 2024 , 96(5), 1880-1889. https://doi.org/10.1021/acs.analchem.3c03760

Seq#	Authors Title	Source
#238 *	Wang, Q., Zhu, S., Wang, S., Huang, C., Duan, Y., Yu, J. Z.* Short-term Source Apportionment of Fine Particulate Matter with Time-dependent Profiles using SoFi Pro: Exploring the Reliability of Rolling Positive Matrix Factorization (PMF) Applied to Bihourly Molecular and Elemental Tracer Data	Atmos. Chem. Phys. 2024 , 24, 475-486. https://doi.org/10.5194/acp-24-475-2024
#237	Yu, P., Feng, X., Feng, Y.* , Li, L., Chen, Y., Yu, J. Z. Optimization of Two-stage Thermal Desorption Combined with Pentafluorophenyl Hydrazine Derivatization-Gas Chromatography/Mass Spectrometry Analytical Method of Atmospheric Carbonyl Compounds	Microchem J. 2024 , 197, 109794. https://doi.org/10.1016/j.microc.2023.109794
	2023	
#236	Xu, Y., Hui, L., Zheng, P., Liu, G., Yu, J. Z., Wang, Z.* Monitoring Techniques of Airborne Carbonyl Compounds: Principles, Performance and Challenges	TrAC, Trends Anal. Chem. 2023 , 169, 117395. https://doi.org/10.1016/j.trac.2023.117395
#235	Feng, X., Guo, J., Wang, Z.* , Gu, D., Ho, K. F., Chen, Y., Liao, K., Cheung, V. T. F., Louie, P. K. K., Leung, K. K. M., Yu, J. Z. , Fung, J. C. H., Lau, A. K. H. Investigation of the Multi-Year Trend of Surface Ozone and Ozone-Precursor Relationship in Hong Kong	Atmos. Environ. 2023 , 315, 120139. https://doi.org/10.1016/j.atmosenv.2023.120139
#234	Li, Z.* , Yim, S. H. L., He, X., Xia, X., Ho, K. F., Yu, J. Z. High Spatial Resolution Estimates of Major PM2.5 Components and Their Associated Health Risks in Hong Kong using a Coupled Land Use Regression and Health Risk Assessment Approach	Sci. Tot. Environ. 2023 , 907, 167932. https://doi.org/10.1016/j.scitotenv.2023.167932
#233 *	Wong, Y., Chan, W. W., Gu, D., Wong, T. W., Chan, K. J. D., Yu, J. Z.* , Lau, A. K. H.* Characterization of Toxic Air Pollutants in Hong Kong, China: Two-decadal Trends and Health Risk Assessments	Atmos. Environ. 2023 , 314, 120129. https://doi.org/10.1016/j.atmosenv.2023.120129
#232	Yang, T., Xu, Y.* , Ye, Q., Ma, Y., Wang, Y., Yu, J. Z. , Duan, Y., Li, C., Xiao, H., Li, Z., Zhao, Y.* , Xiao, H.* Spatial and Diurnal Variations of Aerosol Organosulfates in Summertime Shanghai, China: Potential Influence of Photochemical Processes and Anthropogenic Sulfate Pollution	Atmos. Chem. Phys. 2023 , 23, 13433-13450. https://doi.org/10.5194/acp-23-13433-2023
#231 *	Yu, X., Zhou, M., Li, J., Qiao, L., Lou, S., Han, W., Zhang, Z., Huang, C., Yu, J. Z.* First Online Observation of Aerosol Total Organic Nitrogen at an Urban Site: Insights Into the Emission Sources and Formation Pathways of Nitrogenous Organic Aerosols	J. Geophys. Res. Atmospheres 2023 , 128, e2023JD038921. https://doi.org/10.1029/2023JD038921
#230	Huang, L., Wang, Y., Zhao, Y.* , Hu, H., Yang, Y., Wang, Y., Yu, J. Z. , Chen, T., Cheng, Z., Li, C., Li, Z., Xiao, H. Biogenic and Anthropogenic Contributions to Atmospheric Organosulfates in a Typical Megacity in Eastern China	J. Geophys. Res. Atmospheres 2023 , 128, e2023JD038848. https://doi.org/10.1029/2023JD038848
#229 *	Li, Y., Fu, T. M.* , Yu, J. Z.* , Yu, X., Chen, Q., Miao, R., Zhou, Y., Zhang, A., Ye, J., Yang, X., Tao, S., Liu, Ho, Yao, W. Dissecting the Contributions of Organic Nitrogen Aerosols to Global Atmospheric Nitrogen Deposition and Implications for Ecosystems	Natl. Sci. Rev. 2023 , 10(12), nwad244. https://doi.org/10.1093/nsr/nwad244
#228 *	Wang, Y., Liang, S., Le Breton, M., Wang, Q., Liu, Q., Ho, C. H., Kuang, B., Wu, C., Hallquist, M., Tong, R., Yu, J. Z.* Field Observations of C ₂ and C ₃ Organosulfates and Insights into Their Formation Mechanisms at a Suburban Site in Hong Kong	Sci. Tot. Environ. 2023 , 904, 166851. https://doi.org/10.1016/j.scitotenv.2023.166851

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#227 *	Yu, X., Wong, Y., Yu, J. Z.* Abundance and Sources of Organic Nitrogen in Fine (PM _{2.5}) and Coarse (PM _{2.5-10}) Particulate Matter in Urban Hong Kong	Sci. Tot. Environ. 2023 , 901, 165880. https://doi.org/10.1016/j.scitotenv.2023.165880
#226	Lai, D., Wong, Y., Xu, R., Xing, S., Ng, S. I. M., Kong, L., Yu, J. Z., Huang, D. D.* , Chan, M. N.* Significant Conversion of Organic Sulfur from Hydroxymethanesulfonate to Inorganic Sulfate and Peroxydisulfate Ions upon Heterogeneous OH Oxidation	Environ. Sci. Technol. Lett. 2023 , 10(9), 773-778. https://doi.org/10.1021/acs.estlett.3c00472
#225	Wang, Y., Zhang, Y., Li, W., Wu, G., Qi, Y., Li, S., Zhu, W., Yu, J. Z. , Yu, X., Zhang, H., Sun, J., Wang, W., Sheng, L., Yao, X., Gao, H., Huang, C., Ma, Y.* , Zhou, Y.* Important Roles and Formation of Atmospheric Organosulfates in Marine Organic Aerosols: Influence of Phytoplankton Emissions and Anthropogenic Pollutants	Environ. Sci. Technol. 2023 , 57(28), 10284-10294. https://doi.org/10.1021/acs.est.3c01422
#224 *	Li, J., Ho, S. C. H., Griffith, S. M.* Concurrent Measurements of Nitrate at Urban and Suburban Sites Identify Local Nitrate Formation as a Driver for Urban Episodic PM _{2.5} Pollution	Sci. Tot. Environ. 2023 , 897, 165351. https://doi.org/10.1016/j.scitotenv.2023.165351
#223	Xu, Y., Feng, X., Chen, Y., Zheng, P., Hui, L., Chen, Y., Yu, J. Z., Wang, Z.* Development of an Enhanced Method for Atmospheric Carbonyls and Characterizing Their Roles in Photochemistry in Subtropical Hong Kong	Sci. Tot. Environ. 2023 , 896, 165135. https://doi.org/10.1016/j.scitotenv.2023.165135
#222 *	Zhu, S., Zhou, M., Qiao, L., Huang, D. D., Wang, Q., Wang, S., Gao, Q., Jing, S., Wang, Q., Wang, H., Chen, C., Huang, C.* , Yu, J. Z.* Evolution and Chemical Characteristics of Organic Aerosols during Wintertime PM _{2.5} Episodes in Shanghai, China: Insights Gained from Online Measurements of Organic Molecular Markers	Atmos. Chem. Phys. 2023 , 23, 7551-7568. https://doi.org/10.5194/acp-23-7551-2023
#221	Guo, W., Yu, J. Z., Chan, W.* Face Mask as a Versatile Sampling Device for the Assessment of Personal Exposure to 54 Toxic Compounds in Environmental Tobacco Smoke	Chem. Res. Toxicol. 2023 , 36(7), 1140-1150. https://doi.org/10.1021/acs.chemrestox.3c00114
#220 *	Zhang, J., Liu, J., Ding, X., He, X., Zhang, T., Zheng, M., Choi, M., Issacman-VanWertz, G., Yee, L., Zhang, H., Misztal, P., Goldstein, A. H., Guenther, A. B., Budisulistiorini, S. H., Surratt, J. D., Stone, E. A., Shrivastava, M., Wu, D., Yu, J. Z.* , Ying, Q.* New Formation and Fate of Isoprene SOA Markers Revealed by Field Data-Constrained Modeling	NPJ Clim. Atmos. Sci. 2023 , 6, 69. https://doi.org/10.1038/s41612-023-00394-3
#219 *	Liao, K., Zhang, J., Chen, Y., Lu, X., Fung, J. C. H., Ying, Q.* , Yu, J. Z.* Regional Source Apportionment of Trace Metals in Fine Particulate Matter using an Observation-Constrained Hybrid Model	NPJ Clim. Atmos. Sci. 2023 , 6, 65. https://doi.org/10.1038/s41612-023-00393-4
#218	Wang, Y., Zhang, Z., Chow, W. S., Wang, Z., Yu, J. Z. , Fung, J. C. H., Shi, X.* Investigating the Effect of Aerosol Uncertainty on Convective Precipitation Forecasting in South China's Coastal Area	J. Geophys. Res. Atmospheres 2023 , 128, e2023JD038694. https://doi.org/10.1029/2023JD038694
#217	Li, R., Zhang, K., Li, Q., Yang, L., Wang, S., Liu, Z., Zhang, X., Chen, H., Yi, Y., Feng, J., Wang, Q., Huang, L., Wang, W., Wang, Y., Yu, J. Z., Li, L.* Characteristics and Degradation of Organic Aerosols from Cooking Sources based on Hourly Observation of Organic Molecular Markers in Urban Environment	Atmos. Chem. Phys. 2023 , 23, 3065-3081. https://doi.org/10.5194/acp-23-3065-2023

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#216	Li, Q., Zhang, K., Li, R., Yang, L., Yi, Y., Liu, Z., Zhang, X., Feng, J., Wang, Q., Wang, W., Huang, L., Wang, Y., Wang, S., Chen, H., Chan, A., Latif, M. T., Ooi, M. C. G., Manomaiphiboon, K., Yu, J. Z., Li, L.* Underestimation of Biomass Burning Contribution to PM _{2.5} due to its Chemical Degradation based on Hourly Measurements of Organic Tracers: A Case Study in the Yangtze River Delta (YRD) Region	Sci. Tot. Environ. 2023 , 872, 162071. https://doi.org/10.1016/j.scitotenv.2023.162071
#215	Li, T., Mao, H., Wang, Z., Yu, J. Z. , Li, S., Nie, X., Herrmann, H., Wang, Y.* Field Evidence for Asian Outflow and Fast Depletion of Total Gaseous Mercury in the Polluted Coastal Atmosphere	Environ. Sci. Technol. 2023 , 57(10), 4101-4112. https://doi.org/10.1021/acs.est.2c07551
#214	Zhang, Y., Li, W., Li, L., Li, M., Zhou, Z., Yu, J. Z., Zhou, Y.* Source Apportionment of PM _{2.5} using PMF Combined Online Bulk and Single-particle Measurements: Contribution of Fireworks and Biomass Burning	J. Environ. Sci. 2023 , 136, 325-336. https://doi.org/10.1016/j.jes.2022.12.019
#213 *	Liao, K., Wang, Q., Wang, S., Yu, J. Z.* Bayesian Inference Approach to Quantify Primary and Secondary Organic Carbon in Fine Particulate Matter Using Major Species Measurements	Environ. Sci. Technol. 2023 , 57(13), 5169-5179. https://doi.org/10.1021/acs.est.2c09412
#212	Tian, L., Huang, D. D.* , Wang, Q., Zhu, S., Wang, Q., Yan, C., Nie, W., Wang, Z., Qiao, L., Liu, Y., Qiao, X., Guo, Y., Zheng, P., Jing, S., Lou, S., Wang, H., Yu, J. Z., Huang, C., Li, Y. J.* Underestimated Contribution of Heavy Aromatics to Secondary Organic Aerosol Revealed by Comparative Assessments Using New and Traditional Methods	ACS Earth Space Chem. 2023 , 7(1), 110-119. https://doi.org/10.1021/acsearthspacechem.2c00252
#211 *	Li, T., Chen, H., Fung, J. C. H., Chan, D. H. L., Yu, A. L. C., Leung, K. K. M., Yu, J. Z.* Large Presence of Bromine and Toxic Metals in Ambient Fine Particles from Urban Fires	Atmos. Environ. 2023 , 295, 119554. https://doi.org/10.1016/j.atmosenv.2022.119554
	2022	
#210	Zeng, L., Huang, D. D.* , Zhu, S., Li, F., Zhou, M., Qiao, L., Wang, Q., Wang, Q., Ma, Y., Lou, S., Shi, H., Hoi, K. I., Mok, K. M., Ge, X., Wang, H., Yu, J. Z., Huang, C., Li, Y. J.* The Interplays among Meteorology, Source, and Chemistry in High Particulate Matter Pollution Episodes in Urban Shanghai, China	Sci. Tot. Environ. 2022 , 853, 158347. https://doi.org/10.1016/j.scitotenv.2022.158347
#209	Yi, Y., Li, Q., Zhang, K., Li, R., Yang, L., Liu, Z., Zhang, X., Wang, S., Wang, Y., Chen, H., Huang, L., Yu, J. Z., Li, L.* Highly Time-Resolved Measurements of Elements in PM _{2.5} in Changzhou, China: Temporal Variation, Source Identification and Health Risks	Sci. Tot. Environ. 2022 , 853, 158450. https://doi.org/10.1016/j.scitotenv.2022.158450
#208	Wang, N., Zhang, Y., Li, L., Wang, H., Zhao, Y., Wu, G., Li, M., Zhou, Z., Wang, X., Yu, J. Z., Zhou, Y.* Ambient Particle Characteristics by Single Particle Aerosol Mass Spectrometry at a Coastal Site in Hong Kong: a Case Study Affected by the Sea-Land Breeze	PeerJ 2022 , 10, e14116. https://doi.org/10.7717/peerj.14116
#207	Sun, Z., Guo, W., Chan, C., Jin, L., Griffith, S. M., Yu, J. Z., Chan, W.* Polyurethane Foam Face Masks as a Dosimeter for Quantifying Personal Exposure to Airborne Volatile and Semi-Volatile Organic Compounds	Chem. Res. Toxicol. 2022 , 35(9), 1604-1613. https://doi.org/10.1021/acs.chemrestox.2c00205
#206 *	Chow, W. S., Liao, K., Huang, X. H. H., Leung, K. F., Lau, A. K. H., Yu, J. Z.* Measurement Report: Ten-year Trend of PM _{2.5} Major Components and Source Tracers from 2008 to 2017 in an Urban Site of Hong Kong, China	Atmos. Chem. Phys. 2022 , 22, 11557-11577. https://doi.org/10.5194/acp-22-11557-2022

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#205 *	Wang, Q., Wang, S., Cheng, Y. Y., Chen, H., Zhang, Z., Li, J., Gu, D., Wang, Z., Yu, J. Z.* Chemical Evolution of Secondary Organic Aerosol Tracers during High-PM _{2.5} Episodes at a Suburban Site in Hong Kong over 4 Months of Continuous Measurement	Atmos. Chem. Phys. 2022 , 22, 11239-11253. https://doi.org/10.5194/acp-22-11239-2022
#204 *	Wang, S., Wang, Q., Zhu, S., Zhou, M., Qiao, L., Huang, D., Ma, Y., Lu, Y., Huang, C., Fu, Q., Duan, Y., Yu, J. Z.* Hourly Organic Tracers-based Source Apportionment of PM _{2.5} before and during the Covid-19 Lockdown in Suburban Shanghai, China: Insights into Regional Transport Influences and Response to Urban Emission Reductions	Atmos. Environ. 2022 , 289, 119308. https://doi.org/10.1016/j.atmosenv.2022.119308
#203	Ng, S. I. M., Ng, K. H., Yeung, P. W. F., Xu, R., So, P., Huang, Y., Yu, J. Z. , Choi, C. K. K., Tse, Y. L. S., Chan, M. N.* Chemical Transformation of a Long-Chain Alkyl Organosulfate via Heterogeneous OH Oxidation: A Case Study of Sodium Dodecyl Sulfate	Environ. Sci. Atmos. 2022 , 2, 1060-1075. https://doi.org/10.1039/D2EA00026A
#202	Xu, R., Ng, S. I. M., Chow, W. S., Wong, Y. K., Wang, Y., Lai, D., Yao, Z., So, P. K., Yu, J. Z. , Chan, M. N.* Chemical Transformation of α -Pinene derived Organosulfate via Heterogeneous OH Oxidation: Implications for Sources and Environmental Fates of Atmospheric Organosulfates	Atmos. Chem. Phys. 2022 , 22, 5685-5700. https://doi.org/10.5194/acp-22-5685-2022
#201	Wang, Y., Huang, W., Tian, L., Wang, Y., Li, F., Huang, D. D., Zhang, R., Mabato, B. R. G., Huang, R. J., Chen, Q., Ge, X., Du, L., Ma, Y. G., Gen, M., Hoi, K. I., Mok, K. M., Yu, J. Z. , Chan, C. K., Li, X., Li, Y. J.* Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm	ACS Earth Space Chem. 2022 , 6(4), 1115-1125. https://doi.org/10.1021/acsearthspacechem.2c00021
#200 *	Wong, Y. K., Liu, K. M., Yeung, C., Leung, K. K. M., Yu, J. Z.* Measurement Report: Characterization and Source Apportionment of Coarse Particulate Matter in Hong Kong: Insights into the Constituents of Unidentified Mass and Source Origins in a Coastal City in Southern China	Atmos. Chem. Phys. 2022 , 22, 5017-2031. https://doi.org/10.5194/acp-22-5017-2022
#199 *	Chow, W. S., Huang, X. H. H., Leung, K. F., Huang, L., Wu, X., Yu, J. Z.* Molecular and Elemental Marker-based Source Apportionment of Fine Particulate Matter at Six Sites in Hong Kong, China	Sci. Tot. Environ. 2022 , 813, 152652. https://doi.org/10.1016/j.scitotenv.2021.152652
#198 *	Li, J., Yu, X., Li, Q., Wang, S., Cheng, Y. Y., Yu, J. Z.* Online Measurement of Aerosol Inorganic and Organic Nitrogen based on Thermal Evolution and Chemiluminescent Detection	Atmos. Environ. 2022 , 271, 118905. https://doi.org/10.1016/j.atmosenv.2021.118905
#197	Zhang, J., He, X., Ding, X., Yu, J. Z. , Qi, Y.* Modeling Secondary Organic Aerosol Tracers and Tracer-to-SOA Ratios for Monoterpenes and Sesquiterpenes Using a Chemical Transport Model	Environ. Sci. Technol. 2022 , 56, 804-813. https://doi.org/10.1021/acs.est.1c06373
#196 *	Wang, Y., Ma, Y. G., Kuang, B., Lin, P., Liang, Y., Huang, C., Yu, J. Z.* Abundance of Organosulfates Derived from Biogenic Volatile Organic Compounds: Seasonal and Spatial Contrasts at Four Sites in China	Sci. Tot. Environ. 2022 , 809, 151275. https://doi.org/10.1016/j.scitotenv.2021.151275
#195 *	Zhuang, M., Ma, Y. G.* , Cheng, Y., Zhou, M., Dai, H., Huang, C., Yu, J. Z. , Zhu, S. H., Qiao, L., Tong, Z.* Characteristics of Nitroaromatic Compounds in PM _{2.5} in Urban Area of Shanghai	Environ. Sci. 2022 , 43, 1725-1737. https://doi.org/10.13227/j.hjkx.202106215

Seq#	Authors Title	Source
	2021	
#194 *	Yu, J. Z.* An Interfacial Role for NO ₂	Nature Chemistry 2021 , 13, 1158-1160. https://doi.org/10.1038/s41557-021-00845-5
#193	Zhang, K., Yang, L., Li, Q., Zhang, D., Xu, W., Feng, J., Wang, Q. Q., Wang, W., Huang, L., Yaluk, E. A., Wang, Y., Yu, J. Z., Li, L.* Hourly Measurement of PM _{2.5} -bound Nonpolar Organic Compounds in Shanghai: Characteristics, Sources and Health Risk Assessment	Sci. Tot. Environ. 2021 , 789, 148070. https://doi.org/10.1016/j.scitotenv.2021.148070
#192 *	Huang, D. D., Zhu, S. H., An, J. Y., Wang, Q. Q., Qiao, L. P., Zhou, M., He, X., Ma, Y. G., Sun, Y. L., Huang, C., Yu, J. Z.* , Zhang, Q.* Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol using Online Molecular Tracers and Aerosol Mass Spectrometer Measurements	Environ. Sci. Technol. 2021 , 55, 14526-14535. https://doi.org/10.1021/acs.est.1c03280
#191	Chan, W.* , Guo, W., Yu, J. Z. Polyurethane-Based Face Mask as a Sampling Device for Environmental Tobacco Smoke	Anal. Chem. 2021 , 93, 13912-13918. https://doi.org/10.1021/acs.analchem.1c02906
#190	Jing, L., Griffith, S. M., Sun, Z., Yu, J. Z., Chan, W.* On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution	Environ. Sci. Technol. 2021 , 55, 14095-14104. https://doi.org/10.1021/acs.est.1c04591
#189	Zhang, J., He, X., Gao, Y., Zhu, S., Jing, S., Wang, H., Yu, J. Z., Ying, Q.* Estimation of Aromatic Secondary Organic Aerosol Using a Molecular Tracer - A Chemical Transport Model Assessment	Environ. Sci. Technol. 2021 , 55, 12882-12892. https://doi.org/10.1021/acs.est.1c03670
#188 *	Wang, Q. Q., Yu, J. Z.* Ambient Measurements of Heterogeneous Ozone Oxidation Rates of Oleic, Elaidic, and Linoleic Acid Using a Relative Rate Constant Approach in an Urban Environment	Geophys. Res. Lett. 2021 , e2021GL095130. https://doi.org/10.1029/2021GL095130
#187 *	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., Yu, J. Z.* Estimating Primary Vehicular Emission Contributions to PM _{2.5} using the Chemical Mass Balance Model: Accounting for Gas-Particle Partitioning of Organic Aerosols and Oxidation Degradation of Hopanes	Environ. Pollut. 2021 , 291, 118131. https://doi.org/10.1016/j.envpol.2021.118131
#186 *	Yu, X., Li, Q. F., Ge, Y., Li, Y., Liao, K., Huang, X. H. H., Li, J., Yu, J. Z.* Simultaneous Determination of Aerosol Inorganic and Organic Nitrogen by Thermal Evolution and Chemiluminescence Detection	Environ. Sci. Technol. 2021 , 55, 11579-11589. https://pubs.acs.org/doi/10.1021/acs.est.1c04876
#185 *	Wang, Y. C., Tong, R. B.* , Yu, J. Z.* Chemical Synthesis of Multifunctional Air Pollutants: Terpene-Derived Nitrooxy Organosulfates	Environ. Sci. Technol. 2021 , 55, 8573-8582. https://pubs.acs.org/doi/full/10.1021/acs.est.1c00348
#184 *	Li, Y., Fu, T. M.* , Yu, J. Z.* , Feng, X., Zhang, L., Chen, J., Boreddy, S. K. R., Kawamura, K., Fu, P. Q., Yang, X., Zhu, L., Zeng, Z. Z. Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use as a Biomass Burning	Environ. Sci. Technol. 2021 , 55, 5525-5536. https://pubs.acs.org/doi/abs/10.1021/acs.est.0c07313

Seq#	Authors Title	Source
#183 *	Chan, W.* , Jin, L., Sun, Z. H., Griffith, S. M.* , Yu, J. Z.* Fabric Masks as a Personal Dosimeter for Quantifying Exposure to Airborne Polycyclic Aromatic Hydrocarbons	Environ. Sci. Technol. 2021 , 55, 5128-5135. https://pubs.acs.org/doi/10.1021/acs.est.0c08327
#182 *	Lin, M. F., Yu, J. Z.* Assessment of Oxidative Potential by Hydrophilic and Hydrophobic Fractions of Water-soluble PM _{2.5} and Their Mixture Effects	Environ. Pollut. 2021 , 275, 116616. https://doi.org/10.1016/j.envpol.2021.116616
#181 *	Liao, K. Z., Park, E. S., Zhang, J., Cheng, L. J., Ji, D. S., Ying, Q.* , Yu, J. Z.* A Multiple Linear Regression Model with Multiplicative Log-normal Error Term for Atmospheric Concentration Data	Sci. Tot. Environ. 2021 , 767, 144282. https://doi.org/10.1016/j.scitotenv.2020.144282
#180 *	Zhu, S. H., Wang, Q. Q., Qiao, L. P., Zhou, M., Wang S., Lou, S. R., Huang, D. D., Wang, Q., Jing, S. G., Wang, H. L., Chen, C. H., Huang, C.* , Yu, J. Z.* Tracer-based Characterization of Source Variations of PM _{2.5} and Organic Carbon in Shanghai Influenced by the COVID-19 Lockdown	Faraday Diss. 2021 , 226, 112 - 137 http://doi.org/10.1039/D0FD00091D
#179	Chen, W. Y., Chen, Y. A., Huang, Y. Q., Lu, X. C., Yu, J. Z. , Fung, J. C. H.* , Louie, P. K. K., Tam, F. C. V., Yue, D. L., Lau, A. K. H., Zhong, L. J. Source Apportionment of Fine Secondary Inorganic Aerosol over the Pearl River Delta Region Using a Hybrid Method	Atmos. Pollut. Res. 2021 , 12, 101061. https://doi.org/10.1016/j.apr.2021.101061
#178	Liao, H. T., Lee, C. L., Tsai, W. C., Yu, J. Z. , Tsai, S. W., Chou, C. C., Wu, C. F.* Source Apportionment of Urban PM _{2.5} Using Positive Matrix Factorization with Vertically Distributed Measurements of Trace Elements and Nonpolar Organic Compounds	Atmos. Pollut. Res. 2021 , 12, 200-207. https://doi.org/10.1016/j.apr.2021.03.007
#177	Wang, Y., Zhao, Y.* , Wang, Y. C., Yu J. Z. , Shao J. Y., Liu, P., Zhu, W. F., Cheng, Z., Li, Z. Y., Yan, N.Q., Xiao, H. Y. Organosulfates in Atmospheric Aerosols in Shanghai, China: Seasonal and Interannual Variability, Origin, and Formation Mechanisms	Atmos. Chem. Phys. 2021 , 21, 2959-2980. https://doi.org/10.5194/acp-21-2959-2021
#176	Lee, H. M., Lee, S. P., Li, Y., Yu, J.Z. , Kim, J. Y., Kim, Y. P., Lee, J. Y.* Characterization of Seasonal Difference of HULIS-C Sources from Water Soluble PM _{2.5} in Seoul, Korea: Probing Secondary Processes	Aerosol Air Qual. Res. 2021 , 21, 200233. https://doi.org/10.4209/aaqr.2020.05.0233
2020		
#175 *	Wang, Y. J., Hu, M.* , Wang, Y. C., Li, X., Fang, X., Tang, R. Z., Lu, S. H., Wu, Y. S., Guo, S., Wu, Z. J., Hallquist, M., Yu, J. Z.* Comparative Study of Particulate Organosulfates in Contrasting Atmospheric Environments: Field Evidence for the Significant Influence of Anthropogenic Sulfate and NOx	Environ. Sci. Technol. Lett. 2020 , 7, 787-794. https://pubs.acs.org/doi/10.1021/acs.estlett.0c00550
#174 *	Li, R., Wang, Q., He, X., Zhu, S., Zhang, K., Duan, Y., Fu, Q., Qiao, L., Wang, Y., Huang, L., Li, L.* , Yu, J. Z.* Source Apportionment of PM _{2.5} in Shanghai Based on Hourly Molecular Organic Markers and Other Source Tracers	Atmos. Chem. Phys. 2020 , 20, 12047–12061. https://doi.org/10.5194/acp-20-12047-2020
#173 *	Cheng, Y. Y., Yu, J. Z.* Minimizing Contamination from Plastic Labware in the Quantification of C16 and C18 Fatty Acids in Filter Samples of Atmospheric Particulate Matter and Their Utility in Apportioning Cooking Source Contribution to Urban PM _{2.5}	Atmosphere 2020 , 11, 1120. https://www.mdpi.com/2073-4433/11/10/1120

Seq#	Authors Title	Source
#172 *	Wang, Q. Q., He, X., Zhou, M., Huang, D. D., Qiao, L. P., Zhu, S. H., Ma, Y. G., Wang, H. L., Li, L., Huang, C.* , Huang, X. H. H., Xu, W., Worsnop, D. R., Goldstein, A. H., Guo, H., Yu, J. Z.* Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging	ACS Earth Space Chem. 2020 , 4, 1670-1685. https://pubs.acs.org/doi/10.1021/acsearthspacechem.0c02025
#171 *	Wong, Y. K., Huang, X. H. H., Louie, P. K. K., Yu, A. L. C., Chan, D. H. L., and Yu, J. Z.* Tracking Separate Contributions of Diesel and Gasoline Vehicles to Roadside PM _{2.5} Through Online Monitoring of Volatile Organic Compounds, PM _{2.5} Organic and Elemental Carbon: A Six-Year Study in Hong Kong	Atmos. Chem. Phys. 2020 , 20, 9871–9882. https://doi.org/10.5194/acp-20-9871-2020
#170 *	He, X., Wang, Q. Q., Huang, X. H. H., Huang, D. D., Zhou, M., Qiao, L. P., Zhu, S. H., Ma, Y. G., Wang, H. L., Li, L., Huang, C.* , Xu, W., Worsnop, D. R., Goldstein, A. H., Yu, J. Z.* Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Observation of Enhanced Formation of Secondary Organic Aerosol during Particulate Matter Episodic Periods	Atmos. Environ. 2020 , 240, 117807. https://doi.org/10.1016/j.atmosenv.2020.117807
#169 *	Liao, K. Z., Yu, J. Z.* Abundance and Sources of Benzo[a]pyrene and Other PAHs in Ambient Air in Hong Kong: A Review of 20-Year Measurements (1997 to 2016)	Chemosphere 2020 , 259, 127518. https://doi.org/10.1016/j.chemosphere.2020.127518
#168 *	Zhou, Y.* , Zhang, Y. J., Griffith, S. M., Wu, G. R., Li, L., Zhao, Y. H., Li, M., Zhou, Z., Yu, J. Z.* Field Evidence of Fe-Mediated Photochemical Degradation of Oxalate and Subsequent Sulfate Formation Observed by Single Particle Mass Spectrometry	Environ. Sci. Technol. 2020 , 54, 6562-6574. https://doi.org/10.1021/acs.est.0c00443
#167 *	Lin, M. F., Yu, J. Z.* Assessment of Interactions between Transition Metals and Atmospheric Organics: Ascorbic Acid Depletion and Hydroxyl Radical Formation in Organic-Metal Mixtures	Environ. Sci. Technol. 2020 , 54, 1431-1442. https://doi.org/10.1021/acs.est.9b07478
#166	Zhang, Y. L., Zhang, R. X., Yu, J. Z. , Zhang, Z., Yang, W. Q., Zhang, H. N., Lyu, S. J., Wang, Y. S., Dai, W., Wang, Y. H.* , Wang, X. M.* Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012–2014: Comparison With Model Simulation	J. Geophys. Res. Atmospheres 2020 , 125, e2020JD033523. https://doi.org/10.1029/2020JD033523
#165	Xu, R. S., Ge, Y., Kwong, K. C., Poon, H. Y., Wilson, K., Yu, J. Z. , Chan, M. N.* Inorganic Sulfur Species Formed upon Heterogeneous OH Oxidation of Organosulfates: A Case Study of Methyl Sulfate	ACS Earth Space Chem. 2020 , 4, 2041-2049. https://pubs.acs.org/doi/abs/10.1021/acsearthspacechem.0c00209
#164	Yu, X., Li, D., Li, D., Zhang, G., Zhou, H., Li, S., Song, W., Zhang, Y., Bi, X., Yu, J. Z. , Wang, X. M.* Enhanced Wet Deposition of Water-Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and In-Cloud Scavenging	J. Geophys. Res. Atmospheres 2020 , 125, e2019JD030983. https://doi.org/10.1029/2020JD032699
#163	Lee, J. S., Kim, E. S., Kim, K. A., Yu, J. Z. , Kim, Y. P., Jung, C. H., Lee, J. Y.* Temporal Variations and Characteristics of the Carbonaceous Species in PM _{2.5} Measured at Anmyeon Island, a Background Site in Korea	Asian J. Atmos. Environ. 2020 , 14, 35-46. https://doi.org/10.5572/ajae.2020.14.1.035

Seq#	Authors Title	Source
#162	Morrison, D.* , Li, J. J., Crawford, I., Che, W. W., Flynn, M., Chan, M. N., Lau, A. K. H., Fung, J. C. H., Topping, D., Yu, J. Z. , Gallagher, M. The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018	Atmosphere 2020 , 11, 944. https://www.mdpi.com/2073-4433/11/9/944
#161	Wan, Y. B., Huang, X. P., Jiang, B., Kuang, B. Y., Lin, M. F., Xia, D. M., Liao, Y. H., Chen, J. W., Yu, J. Z. , and Yu, H.* Probing Key Organic Substances Driving New Particle Growth Initiated by Iodine Nucleation in Coastal Atmosphere	Atmos. Chem. Phys. 2020 , 20, 9821-9835. https://doi.org/10.5194/acp-20-9821-2020
#160	Ma, Y. Q., Cheng, Y. B., Gao, C., Yu, J. Z. , Hu, D.* Speciation of Carboxylic Components in Humic-Like Substances (HULIS) and Source Apportionment of HULIS in Ambient Fine Aerosols (PM _{2.5}) Collected in Hong Kong	Environ. Sci. Pollut. Res. 2020 , 27, 23172-23180. https://doi.org/10.1007/s11356-020-08915-w
#159	Sun, J. Y., Wu, C.* , Wu, D.* , Cheng, C., Li, M., Li, L., Deng, T., Yu, J. Z. , Li, Y. J., Zhou, Q., Liang, Y., Sun, T., Song, L., Cheng, P., Yang, W., Pei, C., Chen, Y., Cen, Y., Nian, H. Zhou, Z.* Amplification of Black Carbon Light Absorption Induced by Atmospheric Aging: Temporal Variation at Seasonal and Diel Scales in Urban Guangzhou	Atmos. Chem. Phys. 2020 , 20, 2445-2470. https://www.atmos-chem-phys.net/20/2445/2020/
#158	Yu, X., Pan, Y. P., Song, W., Li, S., Li, D., Zhu, M., Zhou, H. S., Zhang, Y. L., Li, D. J., Yu, J. Z. , Wang, X. M., Wang, X. M.* Wet and Dry Nitrogen Depositions in the Pearl River Delta, South China: Observations at Three Typical Sites with an Emphasis on Water-Soluble Organic Nitrogen.	J. Geophys. Res. Atmospheres 2020 , 125, e2019JD030983. https://doi.org/10.1029/2019JD030983
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#157*	Xue, J., Yu, X., Yuan, Z. B., Griffith, S. M., Lau, A. K. H., Seinfeld, J. H.* , Yu, J. Z.* Efficient Control of Atmospheric Sulfate Production Based on Three Formation Regimes	Nature Geosci. 2019 , 12, 977-982. https://doi.org/10.1038/s41561-019-0485-5
#156*	Wang, Y. C., Ma, Y. G., Li, X. J., Kuang, B. Y., Huang, C., Tong, R. B.* , Yu, J. Z.* Monoterpene and Sesquiterpene α -Hydroxy Organosulfates: Synthesis, MS/MS Characteristics, and Ambient Presence	Environ. Sci. Technol. 2019 , 53, 12278-12290. https://pubs.acs.org/doi/10.1021/acs.est.9b04703
#155*	Lin, M. F., Yu, J. Z.* Effect of Metal-organic Interactions on the Oxidative Potential of Mixtures of Atmospheric Humic-Like Substances and Copper/Manganese as Investigated by the Dithiothreitol Assay	Sci. Tot. Environ. 2019 , 697, 134012. https://doi.org/10.1016/j.scitotenv.2019.134012
#154*	Wang, Y. J., Hu, M.* , Wang, Y. C., Zheng, J., Shang, D. J., Yang, Y. D., Liu, Y., Li, X., Tang, R. Z., Zhu, W. F., Du, Z. F., Wu, W. S., Guo, S., Wu, Z. J., Lou, S. R., Hallquist, M., Yu, J. Z.* The Formation of Nitro-aromatic Compounds under High NO _x and Anthropogenic VOC Conditions in Urban Beijing, China	Atmos. Chem. Phys. 2019 , 19, 7649-7665. https://www.atmos-chem-phys.net/19/7649/2019/
#153*	Li, J. J., Liu, Q. Y., Li, Y. J.* , Liu, T. Y., Huang D. D., Zheng, J., Zhu, W. F., Hu, M., Wu, Y. S., Lou, S. R., Hallquist, A. M., Hallquist, M., Chan, C. K., Canonaco, F., Prévôt, A. S. H., Fung, J. C. H., Lau, A. K. H., Yu, J. Z.* Characterization of Aerosol Aging Potentials at Suburban Sites in Northern and Southern China Utilizing a Potential Aerosol Mass (Go:PAM) Reactor and Aerosol Mass Spectrometer	J. Geophys. Res. Atmospheres 2019 , 124 (10), 5629-5649. http://dx.doi.org/10.1029/2018JD029904
#152*	Lin, M. F., Yu, J. Z.* Dithiothreitol (DTT) Concentration Effect and Its Implications on the Applicability of DTT Assay to Evaluate the Oxidative Potential of Atmospheric Aerosol Samples	Environ. Pollut. 2019 , 938-944. https://doi.org/10.1016/j.envpol.2019.05.074

Seq#	Authors Title	Source
#151 *	Wong, Y. K., Huang, X. H. H., Yu, J. Z.* Incorporating Hopane Degradation into Chemical Mass Balance Model: Improving Accuracy of Vehicular Source Contribution Estimation	Atmos. Environ. 2019 , 210, 211-219. https://doi.org/10.1016/j.atmosenv.2019.04.055
#150 *	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., Louie, P. K. K., Yu, A. L. C., Tang, A.W.Y., Chan, D. H. L., Yu, J. Z.* Estimating Contributions of Vehicular Emissions to PM _{2.5} in a Roadside Environment: A Multiple Approach Study	Sci. Tot. Environ. 2019 , 672, 776-788. https://www.sciencedirect.com/science/article/pii/S0048969719314792
#149 *	Wu, C.* , Wu, D., Yu, J. Z.* Estimation and Uncertainty Analysis of Secondary Organic Carbon Using 1 Year of Hourly Organic and Elemental Carbon Data	J. Geophys. Res. Atmospheres 2019 , 124, 2774-2795. https://doi.org/10.1029/2018JD029290
#148 *	Wang, Q. Q., Huang, X. H. H.* , Tam, F. C. V., Zhang, X. X., Liu, K. M., Yeung, C., Feng, Y. M., Cheng, Y. Y., Wong, Y. K., Ng, W. M., Wu, C., Zhang, Q. Y., Zhang, T., Lau, N. T., Yuan, Z. B., Lau, A. K. H., Yu, J. Z.* Source Apportionment of Fine Particulate Matter in Macao, China with and without Organic Tracers: A Comparative Study using Positive Matrix Factorization	Atmos. Environ. 2019 , 198, 183-193. https://doi.org/10.1016/j.atmosenv.2018.10.057
#147	Yao, M., Zhao, Y.* , Hu, M. Q., Huang, D. D., Wang, Y. C., Yu, J. Z. , Yan, N. Q. Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging	Environ. Sci. Technol. Lett. 2019 , 6, 768-774. https://doi.org/10.1021/acs.estlett.9b00657
#146	Wang, S., Zhou, S., Tao, Y., Tsui, W. G., Ye, J., Yu, J. Z. , Murphy, J. G., McNeill, V. F., Abbatt, J., Chan, A.W.* Organic Peroxides and Sulfur Dioxide in Aerosol: Source of Particulate Sulfate	Environ. Sci. Technol. 2019 , 53, 10695-10704. https://pubs.acs.org/doi/full/10.1021/acs.est.9b02591
#145	Brüggemann, M., von Pinxteren, D., Wang, Y. C., Yu, J. Z. , Herrmann, H. Quantification of Known and Unknown Terpenoid Organosulfates in PM ₁₀ using Untargeted LC-HRMS/MS: Contrasting Summertime Rural Germany and the North China Plain	Environ. Chem. 2019 , 16, 333-346. https://doi.org/10.1071/EN19089
#144	Ma, Y. Q., Cheng, Y. B., Qiu, X. H., Cao, G., Kuang, B. Y., Yu, J. Z. , Hu, D.* Optical Properties, Source Apportionment and Redox Activity of Humic-Like Substances (HULIS) in Airborne Fine Particulates in Hong Kong	Environ. Pollut. 2019 , 255, 113087. https://doi.org/10.1016/j.envpol.2019.113087
#143	Zhu, M., Jiang, B., Li, S., Yu, Q. Q., Yu, X., Zhang, Y., Bi, X., Yu, J. Z. , George, C., Yu, Z., Wang, X.* Organosulfur Compounds Formed from Heterogeneous Reaction between SO ₂ and Particulate-bound Unsaturated Fatty Acids in Ambient Air.	Environ. Sci. Technol. Lett. 2019 , 6, 318-322 https://pubs.acs.org/doi/pdf/10.1021/acs.estlett.9b00218
#142	Chen, S., Li, D. C., Zhang, H. Y., Yu, D. K., Chen, R., Zhang, B., Tan, Y. F., Niu, Y., Duan, H. W., Mai, B. X., Chen, S. J., Yu, J. Z. , Luan, T. G., Chen, L. P., Xing, X. M., Li, Q., Xiao, Y. M., Dong, G. H., Niu, Y. J., Aschner, M., Zhang, R., Zheng, Y. X., Chen, W.* The Development of a Cell-Based Model for the Assessment of Carcinogenic Potential upon Long-Term PM _{2.5} Exposure	Environ. Int. 2019 , 131, 104943. https://doi.org/10.1016/j.envint.2019.104943
#141	Liu, M. X., Huang, X., Song, Y.* , Tang, J., Cao, J. J., Zhang, X. Y., Zhang, Q., Wang, S. X., Xu, T. T., Kang, L. Cai, X. H., Zhang, H. S., Yang, F. M., Wang, H. B., Yu, J. Z. , Lau, A. K. H., He, L. Y., Huang, X. F., Duan, L., Ding, A. J., Xue, L. K., Gao, J., Li, B., Zhu, T.* Ammonia Emission Control in China would Mitigate Haze Pollution and Nitrogen Deposition, but Worsen Acid Rain	PNAS 2019 , p201814880 https://doi.org/10.1073/pnas.1814880116

Seq#	Authors Title	Source
#140	Li, D. C., Zhang, R., Cui, L. H., Chu, C., Zhang, H. Y., Sun, H., Luo, J., Zhou, L. X., Chen, L. P., Cui, J., Chen, S., Mai, B. X., Chen, S. J., Yu, J. Z. , Cai, Z. W., Zhang, J. Q., Jiang, Y. S., Aschner, M., Chen, R., Zheng, Y. X., Chen, W. * Multiple Organ Injury in Male C57BL/6J Mice Exposed to Ambient Particulate Matter in a Real-Ambient PM Exposure System in Shijiazhuang, China	Environ. Pollut. 2019 , 248, 874-887 https://doi.org/10.1016/j.envpol.2019.02.097
#139	Feng, B. H., Song, X. M., Dan, M., Yu, J., Wang, Q. Q., Shu, M. S., Xu, H. B., Wang, T., Chen, J., Zhang, Y., Zhao, Q., Wu, R. S., Liu, S., Yu, J. Z. , Wang, T., Huang, W. * High Level of Source-Specific Particulate Matter Air Pollution Associated with Cardiac Arrhythmias	Sci. Tot. Environ. 2019 , 657, 1285-1293 https://doi.org/10.1016/j.scitotenv.2018.12.178
#138	Liu, B., He, M. M., Wu, C., Li, J., Li, Y., Lau, N. T., Yu, J. Z. , Lau, A. K. H., Fung, J. C. H., Hoi, K. I., Mok, K. M., Chan, C. K., Li, Y. J. * Potential Exposure to Fine Particulate Matter (PM _{2.5}) and Black Carbon on Jogging Trails in Macau	Atmos. Environ. 2019 , 198, 23-33 https://doi.org/10.1016/j.atmosenv.2018.10.024
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#137	Kuang, B. Y., Yeung, H. S., Lee, C. C., Griffith, S. G., Yu, J. Z. * * Aromatic Formulas in Ambient PM _{2.5} Samples from Hong Kong Determined using FT-ICR Ultrahigh Resolution Mass Spectrometry	Anal. Bioanaly. Chem. 2018 , 410, 6289-6304. https://doi.org/10.1007/s00216-018-1239-8
#136	Wang, Y. J., Hu, M. *, Guo, S., Wang, Y. C., Zheng, J., Yang, Y. D., Zhu, W. F., Tang, R. Z., Li, X., Liu, Y., Le Breton, M., Du, Z. F., Shang, D. J., Wu, Y. S., Wu, Z. J., Song, Y., Lou, S. R., Hallquist, M., Yu, J. Z. * The Secondary Formation of Organosulfates under the Interactions between Biogenic Emissions and Anthropogenic Pollutants in Summer of Beijing	Atmos. Chem. Phys. 2018 , 18, 10693-10713 https://www.atmos-chem-phys.net/18/10693/2018/
#135	Wang, Q. Q., Qiao, L. P. *, Zhou, M., Zhu, S. H., Griffith, S. M., Li, L. *, Yu, J. Z. * * Source Apportionment of PM _{2.5} Using Hourly Measurements of Elemental Tracers and Major Constituents in an Urban Environment: Investigation of Time-Resolution Influence	J. Geophys. Res. Atmospheres 2018 , 123 (10), 5284-5300. https://doi.org/10.1029/2017JD027877
#134	Wu, C. *, Yu, J. Z. * * Evaluation of Linear Regression Techniques for Atmospheric Applications: The Importance of Appropriate Weighting	Atmos. Meas. Tech. 2018 , 11, 1233-1250. https://doi.org/10.5194/amt-11-1233-2018
#133	He, X., Huang, X. H. H., Chow, K. S., Zhang, T., Wu, D., Yu, J. Z. * * Abundance and Sources of Phthalic Acids, Benzene Tricarboxylic Acids and Phenolic Acids in PM _{2.5} at Urban and Suburban Sites in Southern China.	ACS Earth Space Chem. 2018 , 2, 147-158. http://pubs.acs.org/doi/10.1021/acsearthspacechem.7b00131
#132	Wu, C. *, Wu, D., Yu, J. Z. * * Quantifying Black Carbon Light Absorption Enhancement with a Novel Statistical Approach	Atmos. Chem. Phys. 2018 , 18, 289-309 https://doi.org/10.5194/acp-18-289-2018
#131	Li, L., An, J., Zhou, M., Qiao, L. *, Zhu, S., Yan, R., Ooi, C. G., Wang, H., Huang, C., Huang, L., Tao, S., Yu, J. Z. , Chan, A. *, Wang, Y. J., Feng, J. L., Chen, C. H. An Integrated Source Apportionment Methodology and Its Application over the Yangtze River Delta Region, China	Environ. Sci. Technol. 2018 , 52, 14216-14227 https://doi.org/10.1021/acs.est.8b01211

Seq#	Authors Title	Source
#130	Le Breton, M.* , Wang, Y., Hallquist, Å. M., Pathak, R. K., Zheng, J., Yang, Y., Shang, D., Glasius, M., Bannan, T. J., Liu, Q., Chan, C. K., Percival, C. J., Zhu, W., Lou, S., Topping, D., Wang, Y., Yu, J. Z. , Lu, K., Guo, S. , Hu, M., Hallquist, M. Online Gas- and Particle-Phase Measurements of Organosulfates, Organosulfonates and Nitrooxy Organosulfates in Beijing utilizing a FIGAERO ToF-CIMS	Atmos. Chem. Phys. 2018 , 18, 10355-10371. https://www.atmos-chem-phys.net/18/10355/2018/
#129	Zhang, X. X., Yuan, Z.* , Li, W. S., Lau, A. K. H., Yu, J. Z. , Fung, J. C. H., Zheng, J. Y., Yu, A. L. C. Eighteen-Year Trends of Local and Non-local Impacts to Ambient PM ₁₀ in Hong Kong Based on Chemical Speciation and Source Apportionment	Atmos. Res. 2018 , 214, 1-9 https://doi.org/10.1016/j.atmosres.2018.07.004
#128	Ma, Y., Cheng, Y., Qiu, X.* , Cao, G., Fang, Y., Wang, J., Zhu, T., Yu, J. Z. , Hu, D.* Sources and Oxidative Potential of Water-Soluble Humic-Like Substances (HULIS _{WS}) in Fine Particulate Matter (PM _{2.5}) in Beijing	Atmos. Chem. Phys. 2018 , 18(8), 5607-5617. https://doi.org/10.5194/acp-18-5607-2018
	2017	
#127 *	Wang, Q. Q., He, X., Huang, X. H. H., Griffith, S. M., Feng, Y. M., Zhang, T., Zhang, Q. Y., Wu, D., Yu, J. Z.* Impact of Secondary Organic Aerosol Tracers on Tracer-based Source Apportionment of Organic Carbon and PM _{2.5} : A Case Study in the Pearl River Delta, China	ACS Earth Space Chem. 2017 , 1, 562-571. http://pubs.acs.org/doi/pdf/10.1021/acsearthspacechem.7b00088
#126 *	Wang, N. J., Yu, J. Z.* Size Distributions of Hydrophilic and Hydrophobic Fractions of Water-Soluble Organic Carbon in an Urban Atmosphere in Hong Kong	Atmos. Environ. 2017 , 166, 110-119 https://doi.org/10.1016/j.atmosenv.2017.07.009
#125 *	Wang, Y. C., Ren, J. Y., Huang, X. H. H., Tong, R. B.* , Yu, J. Z.* Synthesis of Four Monoterpene-derived Organosulfates and their Quantification in Atmospheric Aerosol Samples	Environ. Sci. Technol. 2017, 51 (12), 6791–6801 https://doi.org/10.1021/acs.est.7b01179
#124 *	Li, Y. G., Huang, X. H. H., Griffith, S. M., Wu, C., Lau, A. K. H., Yu, J. Z.* Quantifying the Relationship between Visibility Degradation and PM _{2.5} Constituents at a Suburban Site in Hong Kong: Differentiating Contributions from Hydrophilic and Hydrophobic Organic Compounds	Sci. Tot. Environ. 2017 , 575, 1571-1581. http://dx.doi.org/10.1016/j.scitotenv.2016.10.082
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#119 *	Wu, C., Huang, X. H. H., Ng, W. M., Griffith, S. M., Yu, J. Z. * Inter-Comparison of NIOSH and IMPROVE Protocols for OC and EC Determination: Implications for Inter-Protocol Data Conversion	Atmos. Meas. Tech. 2016 , 9, 4547-4560 http://www.atmos-meas-tech.net/9/4547/2016
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#114	Zhao, M. F., Qiao, T., Li, Y. L., Tang, X. X., Xiu, G. L. *, Yu, J. Z. Temporal Variations and Source Apportionment of Hulis-C in PM _{2.5} in Urban Shanghai	Sci. Tot. Environ. 2016 , 571, 18-26 https://doi.org/10.1016/j.scitotenv.2016.07.127
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#112	Liu, T., Wang, X. *, Hu, Q., Deng, W., Zhang, Y., Ding, X., Fu, X., Bernard, F., Zhang, Z., Lv, S., He, Q., Bi, X., Chen, J., Sun, Y., Yu, J. Z. , Peng, P., Sheng, G., Fu, J. Formation of Secondary Aerosols from Gasoline Vehicle Exhaust when Mixing with SO ₂	Atmos. Chem. Phys. 2016 , 16, 675-689 https://doi.org/10.5194/acp-16-675-2016
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#106	Qiao, T., Zhao, M. F., Xiu, G. L. *, Yu, J. Z. Seasonal Variations of Water Soluble Composition (WSOC, Hulis and WSIs) in PM ₁ and Its Implications on Haze Pollution in Urban Shanghai, China	Atmos. Environ. 2015 , 123, 306-314 https://doi.org/10.1016/j.atmosenv.2015.03.010
#105	Liu, T., Wang, X. *, Deng, W., Hu, Q., Ding, X., Zhang, Y., He, Q., Zhang, Z., Lv, S., Bi, X., Chen, J., Yu, J. Z. Secondary Organic Aerosol Formation from Photochemical Aging of Light-Duty Gasoline Vehicle Exhausts in a Smog Chamber	Atmos. Chem. Phys. 2015 , 15, 9049-9062 https://doi.org/10.5194/acp-15-9049-2015
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#99 *	Xue, J., Yuan, Z., Lau, A. K. H., Yu, J. Z. * Insights into Factors Affecting Nitrate in PM _{2.5} in a Polluted High NO _x Environment through Hourly Observations and Size Distribution Measurements	J. Geophys. Res. Atmospheres 2014 , 119 https://doi.org/10.1002/2013JD021108

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#88	Lee, B. P., Li, Y. J., Yu, J. Z., Louie, P. K. K., Chan, C. K.* Physical and Chemical Characterization of Ambient Aerosol by HR-ToF-AMS at a Suburban Site in Hong Kong during Springtime 2011	J. Geophys. Res. Atmospheres 2013 , 118, 8625-8639 https://doi.org/10.1002/jgrd.50658

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#86	Deng, X. J.* , Wu, D., Yu, J. Z. , Lau, A. K. H., Li, F., Tan, H., Yuan, Z., Ng, W. M., Deng, T., Wu, C., Zhou, X. Characterization of Secondary Aerosol and Its Extinction Effects on Visibility over the Pearl River Delta, China	J. Air Waste Manag. Assoc. 2013 , 63, 1012-1021 https://doi.org/10.1080/10962247.2013.782927
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#80 *	Lin, P., Rincon, A. G., Kalberer, M.* , Yu, J. Z.* Elemental Composition of HULIS in the Pearl River Delta Region, China: Results Inferred from Positive and Negative Electrospray High Resolution Mass Spectrometric Data	Environ. Sci. Technol. 2012 , 46, 7454-7462 https://doi.org/10.1021/es300285d
#79 *	Li, Y. C., Yu, J. Z.* , Ho, S. S. H., Yuan, Z., Lau, A. K. H., Huang, X. F. Chemical Characteristics of PM _{2.5} and Organic Aerosol Source Analysis during Cold Front Episodes in Hong Kong, China	Atmos. Res. 2012 , 118, 41-51 https://doi.org/10.1016/j.atmosres.2012.05.026
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#70 *	Xue, J., Lau, A. K. H., Yu, J. Z.* A Study of Acidity on PM _{2.5} in Hong Kong using Online Ionic Chemical Composition Measurements	Atmos. Environ. 2011 , 45, 7081-7088 https://doi.org/10.1016/j.atmosenv.2011.09.040
#69 *	Huang, X. H. H., Ip, H. S. S., Yu, J. Z.* Secondary Organic Aerosol Formation from Ethylene in the Urban Atmosphere of Hong Kong: A Multiphase Chemical Modeling Study	J. Geophys. Res. Atmospheres 2011 , 116, D03206 https://doi.org/10.1029/2010JD014121
#68 *	Yu, H., Yu, J. Z.* Size Distribution of Polycyclic Aromatic Hydrocarbons at two receptor Sites in the Pearl River Delta Region, China: Implications of a Dominant Droplet Mode	Aerosol Sci. Technol. 2011 , 45, 101-112 https://doi.org/10.1080/02786826.2010.524680
#67	Gao, B., Yu, J. Z., Li, S. X., Ding, X., He, Q., Wang, X.* Roadside and Rooftop Measurements of Polycyclic Aromatic Hydrocarbons in PM _{2.5} in Urban Guangzhou: Evaluation of Vehicular and Regional Combustion Source Contributions	Atmos. Environ. 2011 , 45, 7184-7191 https://doi.org/10.1016/j.atmosenv.2011.09.005
#66	Huang, Y., Ho, K. F., Ho, S. S. H., Lee, S. C.* , Yu, J. Z. , Louie, P. K. K. Characteristics and Health Impacts of VOCs and Carbonyls Associated with Residential Cooking Activities in Hong Kong	J. Hazard. Mater. 2011 , 186 (1), 344-351 https://doi.org/10.1016/j.jhazmat.2010.11.003

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#63 *	Li, Y. C., Yu, J. Z.* Composition Profile of Oxygenated Organic Compounds and Inorganic Ions in PM _{2.5} in Hong Kong	Environ. Chem. 2010 , 7 (4), 338-349 https://www.publish.csiro.au/en/en09167
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#59	Lau, A. K. H., Yuan, Z.* , Yu, J. Z. , Louie, P. K. K. Source Apportionment of Ambient Volatile Organic Compounds in Hong Kong	Sci. Tot. Environ. 2010 , 408, 4138-4149 https://doi.org/10.1016/j.scitotenv.2010.05.025
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#57 *	Huang, X. F., Yu, J. Z.* , Yuan, Z., Lau, A. K. H., Louie, P. K. K. Source Analysis of High Particulate Matter Days in Hong Kong	Atmos. Environ. 2009 , 43, 1196-1203 https://doi.org/10.1016/j.atmosenv.2008.10.013
#56 *	Ip, H. S. S., Huang, X. H. H., Yu, J. Z.* Effective Henry's law Constants of Glyoxal, Glyoxylic Acid, and Glycolic Acid	Geophys. Res. Lett. 2009 , 36, L01802 https://doi.org/10.1029/2008GL036212
#55	Li, J.* , Feng, Y. L., Xie, C. J., Huang, J., Yu, J. Z. , Feng, J. L., Sheng, G. Y., Fu, J. M., Wu, M. H. Determination of Gaseous Carbonyl Compounds by Their Pentafluorophenyl Hydrazones with Gas Chromatography/Mass Spectrometry	Anal. Chim Acta 2009 , 635, 84-93 https://doi.org/10.1016/j.aca.2008.12.041

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#53 *	Huang, X. F., Yu, J. Z. * Size Distributions of Elemental Carbon in the Atmosphere of a Coastal Urban Area in South China: Characteristics, Evolution Processes, and Implications for the Mixing State	Atmos. Chem. Phys. 2008 , 8, 5843-5853 https://doi.org/10.5194/acp-8-5843-2008
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#51	Andreae, M. O. *, Schmid, O., Yang, H., Chand, D., Yu, J. Z. , Zeng, L. M., Zhang, Y. H. Optical Properties and Chemical Composition of the Atmospheric Aerosol in Urban Guangzhou, China	Atmos. Environ. 2008 , 42, 6335-6350 https://doi.org/10.1016/j.atmosenv.2008.01.030
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