

PEER-REVIEWED PUBLICATIONS

Citation metrics

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

As of 2022.09.10., by Web of Science, total citations: 11,269, h-index = 62

As of 2022.09.10., by Google Scholar, total citations: 15,270, h-index = 72, i-10 index = 173

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

Seq#	Authors Title	Source
2022		
#205 *	Chow, W. S., Liao, K., Huang, X. H. H., Leung, K. F., Lau, A. K. H., <u>Yu, J. Z.</u> * 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 . https://doi.org/10.5194/acp-22-11557-2022
#204 *	Wang, Q., Wang, S., Cheng, Y. Y., Chen, H., Zhang, Z., Li, J., Gu, D., Wang, Z., <u>Yu, J. Z.</u> * 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 . https://doi.org/10.5194/acp-22-11239-2022
#203 *	Wang, S., Wang, Q., Zhu, S., Zhou, M., Qiao, L., Huang, D., Ma, Y., Lu, Y., Huang, C., Fu, Q., Duan, Y., <u>Yu, J. Z.</u> * 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 . https://doi.org/10.1016/j.atmosenv.2022.119308
#202	Xu, R., Ng, S. I. M., Chow, W. S., Wong, Y. K., Wang, Y., Lai, D., Yao, Z., So, P. K., <u>Yu, J. Z.</u> , <u>Chan, M. N.</u> * Chemical Transformation of α -Pinene derived Organosulfate via Heterogeneous OH Oxidation: Implications for Sources and Environmental Fates of Atmospheric Organosulfates	Atmos. Chem. Phys. 2022 . 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., <u>Yu, J. Z.</u> , Chan, C. K., Li, X., <u>Li, Y. J.</u> * 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 . https://doi.org/10.1021/acsearthspacechem.2c00021
#200 *	Wong, Y. K., Liu, K. M., Yeung, C., Leung, K. K. M., <u>Yu, J. Z.</u> * 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., <u>Yu, J. Z.</u> * 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., <u>Yu, J. Z.</u> * 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

Seq#	Authors Title	Source
#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
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

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#186	Yu, X., Li, Q. F., Ge, Y., Li, Y., Liao, K., Huang, X. H. H., Li, J., Yu, J. Z. *	Environ. Sci. Technol.
*	Simultaneous Determination of Aerosol Inorganic and Organic Nitrogen by Thermal Evolution and Chemiluminescence Detection	2021 , 55, 11579-11589. https://pubs.acs.org/doi/10.1021/acs.est.1c04876
#185	Wang, Y. C., Tong, R. B. *, Yu, J. Z. *	Environ. Sci. Technol.
*	Chemical Synthesis of Multifunctional Air Pollutants: Terpene-Derived Nitrooxy Organosulfates	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.	Environ. Sci. Technol.
*	Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use as a Biomass Burning	2021 , 55, 5525-5536. https://pubs.acs.org/doi/abs/10.1021/acs.est.0c07313
#183	Chan. W. *, Jin, L., Sun, Z. H., Griffith, S. M. *, Yu, J. Z. *	Environ. Sci. Technol.
*	Fabric Masks as a Personal Dosimeter for Quantifying Exposure to Airborne Polycyclic Aromatic Hydrocarbons	2021 , 55, 5128-5135. https://pubs.acs.org/doi/10.1021/acs.est.0c08327
#182	Lin, M. F., Yu, J. Z. *	Environ. Pollut.
*	Assessment of Oxidative Potential by Hydrophilic and Hydrophobic Fractions of Water-soluble PM _{2.5} and Their Mixture Effects	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. *	Sci. Tot. Environ.
*	A Multiple Linear Regression Model with Multiplicative Log-normal Error Term for Atmospheric Concentration Data	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. *	Faraday Diss.
*	Tracer-based Characterization of Source Variations of PM _{2.5} and Organic Carbon in Shanghai Influenced by the COVID-19 Lockdown	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.	Atmos. Pollut. Res.
*	Source apportionment of fine secondary inorganic aerosol over the Pearl River Delta region using a hybrid method	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. *	Atmos. Pollut. Res.
*	Source apportionment of urban PM _{2.5} using positive matrix factorization with vertically distributed measurements of trace elements and nonpolar organic compounds	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.	Atmos. Chem. Phys.
*	Organosulfates in atmospheric aerosols in Shanghai, China: seasonal and interannual variability, origin, and formation mechanisms	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. *	Aerosol Air Qual. Res.
*	Characterization of seasonal difference of HULIS-C sources from water soluble PM _{2.5} in Seoul, Korea: probing secondary processes	2021 , 21, 200233. https://doi.org/10.4209/aaqr.2020.05.0233

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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
#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.0c00205
#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. 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

Seq#	Authors Title	Source
#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
#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
2019		
#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. doi: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

Seq#	Authors Title	Source
#155	Lin, M. F., Yu, J. Z. *	Sci. Tot. Environ.
*	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	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. *	Atmos. Chem. Phys.
*	The formation of nitro-aromatic compounds under high NO _x and anthropogenic VOC conditions in urban Beijing, China	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. *	J. Geophys. Res. Atmospheres
*	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	2019 , 124 (10), 5629-5649. http://dx.doi.org/10.1029/2018JD029904
#152	Lin, M. F., Yu, J. Z. *	Environ. Pollut.
*	Dithiothreitol (DTT) concentration effect and its implications on the applicability of DTT assay to evaluate the oxidative potential of atmospheric aerosol samples	2019 , 938-944. https://doi.org/10.1016/j.envpol.2019.05.074
#151	Wong, Y. K., Huang, X. H. H., Yu, J. Z. *	Atmos. Environ.
*	Incorporating hopane degradation into chemical mass balance model: Improving accuracy of vehicular source contribution estimation	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. *	Sci. Tot. Environ.
*	Estimating Contributions of Vehicular Emissions to PM _{2.5} in a Roadside Environment: A Multiple Approach Study	2019 , 672, 776-788. https://www.sciencedirect.com/science/article/pii/S0048969719314792
#149	Wu, C. *, Wu, D., Yu, J. Z. *	J. Geophys. Res. Atmospheres
*	Estimation and uncertainty analysis of secondary organic carbon using one-year of hourly organic and elemental carbon data	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. *	Atmos. Environ.
*	Source apportionment of fine particulate matter in Macao, China with and without organic tracers: A comparative study using positive matrix factorization	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.	Environ. Sci. Technol. Lett.
*	Multiphase reactions between secondary organic aerosol and sulfur dioxide: kinetics and contributions to sulfate formation and aerosol aging	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. *	Environ. Sci. Technol.
*	Organic peroxides and sulfur dioxide in aerosol: Source of particulate sulfate. Environmental science & technology.	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.	Environ. Chem.
*	Quantification of known and unknown terpenoid organosulfates in PM ₁₀ using untargeted LC-HRMS/MS: Contrasting summertime rural Germany and the North China Plain	2019 , 16, 333-346. https://doi.org/10.1071/EN19089

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#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
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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
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*	Effect of nitrate and sulfate relative abundance in PM _{2.5} on liquid water content explored through half-hourly observations of inorganic soluble aerosols at a polluted receptor site	2014 , 99, 24-31 https://doi.org/10.1016/j.atmosenv.2014.09.049
#101	Huang, X. H. H., Bian, Q. J., Louie, P. K. K., Yu, J. Z. *	Atmos. Chem. Phys.
*	Contributions of vehicular carbonaceous aerosols to PM _{2.5} in a roadside environment in Hong Kong	2014 , 14, 9279-9293 https://doi.org/10.5194/acp-14-9279-2014
#100	Bian, Q. J., Huang, X. H. H., Yu, J. Z. *	Atmos. Chem. Phys.
*	One-year Observations of Size Distribution Characteristics of Major Aerosol Constituents at a Coastal Receptor Site in Hong Kong: I. Inorganic Ions and Oxalate	2014 , 14, 9013-9027 https://doi.org/10.5194/acp-14-9013-2014
#99	Xue, J., Yuan, Z., Lau, A. K. H., Yu, J. Z. *	J. Geophys. Res.
*	Insights into factors affecting nitrate in PM _{2.5} in a polluted high NO _x environment through hourly observations and size distribution measurements	Atmospheres 2014 , 119 https://doi.org/10.1002/2013JD021108
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*	Characterization of PM _{2.5} major components and source investigation in suburban Hong Kong: a one-year monitoring study	2014 , 14, 237-250 https://doi.org/10.4209/aaqr.2013.01.0020
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#93	Guo, C., Liu, H. *, Yu, J. Z. , Zhang, S., Wu, C. J. Role of microzooplankton grazing in regulating phytoplankton biomass and community structure in response to atmospheric aerosol input	Mar Ecol Prog Ser. 2014 , 507, 69-79 https://doi.org/10.3354/meps10809
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*	Black carbon over the South China Sea and in various continental locations in South China	2013 , 13, 12257-12270 https://doi.org/10.5194/acp-13-12257-2013

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*	Relative contributions of SOA formation from toluene, xylenes, isoprene and monoterpenes in Hong Kong and Guangzhou in the Pearl River Delta, China: An emission-based box modeling study	2013 , 118, 507-519 https://doi.org/10.1029/2012JD017985
#90	<u>Li, Y. C.</u> *, <u>Yu, J. Z.</u> , Ho, S. S. H., Schauer, J. J., Yuan, Z. B., Lau, A. K. H., Louie, P. K. K.	Atmos. Res.
	Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003	2013 , 120-121, 88-98 https://doi.org/10.1016/j.atmosres.2012.08.005
#89	<u>Hu, D.</u> *, <u>Yu, J. Z.</u>	Environ. Chem.
	Secondary organic aerosol tracers and malic acid in Hong Kong: seasonal trends and origins	2013 , 10, 381-194 https://doi.org/10.1071/EN13104
#88	Lee, B. P., Li, Y. J., Yu, J. Z., Louie, P. K. K., <u>Chan, C. K.</u> *	J. Geophys. Res. Atmospheres
	Physical and chemical characterization of ambient aerosol by HR-ToF-AMS at a suburban site in Hong Kong during springtime 2011	2013 , 118, 8625-8639 https://doi.org/10.1002/jgrd.50658
#87	Li, Y. J., Lee, B. Y. L., <u>Yu, J. Z.</u> , Ng, N. L., <u>Chan, C. K.</u> *	Atmos. Chem. Phys.
	Evaluating the degree of oxygenation organic aerosol during foggy and hazy days in Hong Kong using high-resolution time-of-flight aerosol mass spectrometry (HR-ToF-AMS)	2013 , 13, 8739-8753 https://doi.org/10.5194/acp-13-8739-2013
#86	<u>Deng, X. J.</u> *, Wu, D., <u>Yu, J. Z.</u> , Lau, A. K. H., Li, F., Tan, H., Yuan, Z., Ng, W. M., Deng, T., Wu, C., Zhou, X.	J. Air Waste Manag. Assoc.
	Characterization of secondary aerosol and its extinction effects on visibility over the Pearl River Delta, China	2013 , 63, 1012-1021 https://doi.org/10.1080/10962247.2013.782927
#85	Zhang, Y., <u>Wang, X.</u> *, Zhang, Z., Lv, S., Shao, M., Lee, F. S. C., <u>Yu, J. Z.</u>	Atmos. Environ.
	Species profiles and normalized reactivity of volatile organic compounds from gasoline evaporation in China	2013 , 79, 110-118 https://doi.org/10.1016/j.atmosenv.2013.06.029
#84	Yuan, Z., Zhong, L.J., <u>Lau, A. K. H.</u> *, <u>Yu, J. Z.</u> , Louie, P. K. K.	Atmos. Environ.
	Volatile organic compounds in the Pearl River Delta: Identification of source regions and recommendations for emission-oriented monitoring strategies	2013 , 76, 162-172 https://doi.org/10.1016/j.atmosenv.2012.11.034
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	VOCs and OVOCs distribution and control policy implications in Pearl River Delta Region, China	2013 , 76, 125-135 https://doi.org/10.1016/j.atmosenv.2012.08.058
#82	<u>Sarwar, G.</u> *, Fahey, K., Kwok, R., Gilliam, R. C., Roselle, S. J., Mathur, R., Xue, J., <u>Yu, J. Z.</u> , Carter, W. P. L.	Atmos. Environ.
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#81	Lin, P., <u>Yu, J. Z.</u> *, Engling, G., <u>Kalberer, M.</u> *	Environ. Sci. Technol.
*	Organosulfates in humic-like substance fraction isolated from aerosols at seven locations in East Asia: A study by ultrahigh resolution mass spectrometry	2012 , 46, 13118-13127 https://doi.org/10.1021/es303570v

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#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
#78	Yu, H.* , Yu, J. Z. Polycyclic Aromatic Hydrocarbons in Urban Atmosphere of Guangzhou, China: Size Distribution Characteristics and Size-resolved Gas-particle Partitioning	Atmos. Environ. 2012 , 54, 194-200 https://doi.org/10.1016/j.atmosenv.2012.02.033
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