

PEER-REVIEWED PUBLICATIONS

Citation Metrics

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As of 2025.03.22., by Web of Science, total citations: 14,941, h-index = 72

As of 2025.03.22., by Google Scholar, total citations: 19,697, h-index = 80, i10-index = 211

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

Seq#	Authors Title	Source
2025		
#260	Xu, Y., Zheng, P., Feng, X., Sun, H., Sun, M., Hui, L., Chen, Y., Chen, Y., Gu, D., Ning, Z., <u>Yu, J. Z.</u> , <u>Wang, Z.</u> * Characterizing Sources and Health Risks of Airborne Carbonyl Compounds in a Subtropical Coastal Atmosphere in South China	Environ. Pollut. 2025 , 368, 125776. https://doi.org/10.1016/j.envpol.2025.125776
#259	Li, Y., <u>Fu, T. M.</u> *, <u>Yu, J. Z.</u> *, Zhang, A., Yu, X., Ye, J., Zhu, L., Shen, H., Wang, C., Yang, X., Tao, S., Chen, Q., Li, Y., Li, L., Che, H., Heald, C. L. Nitrogen Dominates Global Atmospheric Organic Aerosol Absorption	Science 2025 , 387, 989-995. https://doi.org/10.1126/science.adr4473
#258	Cao, X., <u>Gu, D.</u> *, Sun, H., Leung, K. F., Mai, Y., Li, X., Chan, W. M., Mak, S. K., Liang, Z., Zhang, W., Zhang, Y., Huang, S., Yuan, B., Shao, M., <u>Yu, J. Z.</u> , Lau, A. K. H. Intra-Urban Comparison of Hazardous VOCs in Hong Kong: Source Apportionment and Integrated Risk Assessment	Sustain. Cities Sco. 2025 , 120, 106148. https://doi.org/10.1016/j.scs.2025.106148
#257	Chen, H., <u>Yu, J. Z.</u> * An Online Instrument for Assessing Oxidative Potential of Ambient Particulate Matter via Dithiothreitol Assay, using Particle-Into-Liquid Sampler (PILS) coupled with Improved Light Absorption Measurement	Atmos. Environ. 2025 , 343, 120980. https://doi.org/10.1016/j.atmosenv.2024.120980
#256	<u>Lin, C.</u> *, <u>Yu, J. Z.</u> *, Lee, E., Chan, P. W., Ng, J. W. Y., Chan, Y. W., Zhang, T., Chen, Y., Chen, H., Zhang, Z., Chui, S. H. K., Fung, J. C. H., Liu, W., <u>Lau, A. K. H.</u> * Mysterious Air Pollution in South China linked to Volcanic Emissions from the Philippines	Commun. Earth Environ. 2025 , 6, 86. https://doi.org/10.1038/s43247-025-02073-y
#255	<u>Lo, H. W.</u> *, Yu, X., Chen, H., Chu, W. C., Chung, N. M., Lau, S. W., Li, J., Liang, S., Liao, K., Thomas, H. C. J., Wang, Z., Zhang, Z., <u>Yu, J. Z.</u> , <u>Thibodeau, B.</u> * Tidal Currents and Atmospheric Inorganic Nitrogen Contribute to Diurnal Variation of Dissolved Nutrients and Chlorophyll a Concentrations in Mirs Bay, Hong Kong	Reg. Stud. Mar. Sci. 2025 , 81, 103941. https://doi.org/10.1016/j.rsm.2024.103941
2024		
#254	Wang, Q., Wang, S., Zhu, S., Meng, S., Yu, H., <u>Yu, J. Z.</u> * Exploring the Effect of Environmental Conditions on Decay Kinetics of Aerosol Unsaturated Fatty Acids: New Insights Gained from Long-Term Ambient Measurements	Environ. Sci. Technol. 2024 , 58, 22322-22331. https://doi.org/10.1021/acs.est.4c09808
#253	Ham, Y. H., Cheng, J., Nagl, S., <u>Yu, J. Z.</u> , Cai, Z., <u>Chan, W.</u> * Surgical Face Mask as an Air Sampling Device for Assessing Personal Exposure to Airborne Antimicrobial Resistance Gene-Bearing Bacteria	Anal. Chem. 2024 , 96, 17021-17026. https://doi.org/10.1021/acs.analchem.4c04703

Seq#	Authors Title	Source
#252	Zhou, L., Liu, Q., Salvador, C. M., Le Breton, M., Hallquist, M., Yu, J. Z., Chak K. Chan*, Hallquist, Å. M.* Online Characterization of Primary and Secondary Emissions of Particulate Matter and Acidic Molecules from a Modern Fleet of City Buses	Atmos. Chem. Phys. 2024 , 24, 11045-11061. https://doi.org/10.5194/acp-24-11045-2024
#251	Yi, Y., Li, R., Zhang, K.* , Yang, X., Li, Q., Geng, C., Chen, H., Yang, W., Yu, J. Z., Li, L.* Insights Into the Influence of Anthropogenic Emissions on the Formation of Secondary Organic Aerosols Based on Online Measurements	J. Geophys. Res. Atmospheres 2024 , e2024JD041479 https://doi.org/10.1029/2024JD041479
#250	Liao, K., Cheng, Y. Y., Yea, S. S., Chen, L. W. A., Seinfeld, J. H., Yu, J. Z.* * New Analytical Paradigm to Determine Concentration of Brown Carbon and Its Sample-by-Sample Mass Absorption Efficiency	Environ. Sci. Technol. 2024 , 58, 17386-17395. https://doi.org/10.1021/acs.est.4c06831
#249	Pan, G., Au, C. K., Ham, Y. H., Yu, J. Z. , Cai, Z., Chan, W.* Urinary Thioproline and Thioprolinyl Glycine as Specific Biomarkers of Formaldehyde Exposure in Humans	Environ. Sci. Technol. 2024 , 58, 16368-16375. https://doi.org/10.1021/acs.est.4c06921
#248	Yang, T., Xu, Y.* , Ma, Y. J., Wang, Y. C., Yu, J. Z. , Sun, Q. B., Xiao, H. W., Xiao, H. Y., Liu, C. Q. Field Evidence for Constraints of Nearly Dry and Weakly Acidic Aerosol Conditions on the Formation of Organosulfates	Environ. Sci. Technol. Lett. 2024 , 11, 981-987. https://doi.org/10.1021/acs.estlett.4c00522
#247	Guo, W., Kwok, H. C., Griffith, S. M., Nagl, S., Milovanović, D., Pavlović, M., Pavlović, N. M., Yu, J. Z. , Dedon, P. C., Chan, W.* Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans	Environ. Sci. Technol. 2024 , 58, 11301-11308. https://doi.org/10.1021/acs.est.4c02848
#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., Yu, J. Z.*, Zhou, Y.* * 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., Yu, J. Z.* , Lau, A. K. H.* * 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., Yu, J. Z.* * 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., Yu, J. Z.* * 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., Yu, J. Z. , Zhu, Y., Cai, Z.* 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., Yu, J. Z. , Yao, X., Zhou, Y.* 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

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#240	Sun, H., Gu, D. *, 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., Yu, J. Z. , 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., Yu, J. Z. *	Anal. Chem. 2024 , 96(5), 1880-1889. https://doi.org/10.1021/acs.analchem.3c03760
*	Unambiguous Analysis and Systematic Mapping of Oxygenated Aromatic Compounds in Atmospheric Aerosols Using Ultrahigh-Resolution Mass Spectrometry	
#238	Wang, Q., Zhu, S., Wang, S., Huang, C., Duan, Y., Yu, J. Z. *	Atmos. Chem. Phys. 2024 , 24, 475-486. https://doi.org/10.5194/acp-24-475-2024
*	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	
#237	Yu, P., Feng, X., Feng, Y. *, Li, L., Chen, Y., Yu, J. Z. Optimization of Two-stage Thermal Desorption Combined with Pentafluorophenyl Ydrazine Derivatization-Gas Chromatography/Mass Spectrometry Analytical Method of Atmospheric Carbonyl Compounds	Microchem J. 2024 , 197, 109794. https://doi.org/10.1016/j.micro.2023.109794
2023		
#236	Xu, Y., Hui, L., Zheng, P., Liu, G., Yu, J. Z. , Wang, Z. *	TrAC, Trends Anal. Chem. 2023 , 169, 117395. https://doi.org/10.1016/j.trac.2023.117395
	Monitoring Techniques of Airborne Carbonyl Compounds: Principles, Performance and Challenges	
#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. *	Atmos. Environ. 2023 , 314, 120129. https://doi.org/10.1016/j.atmosenv.2023.120129
*	Characterization of Toxic Air Pollutants in Hong Kong, China: Two-decadal Trends and Health Risk Assessments	
#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. *	Atmos. Chem. Phys. 2023 , 23, 13433-13450. https://doi.org/10.5194/acp-23-13433-2023
	Spatial and Diurnal Variations of Aerosol Organosulfates in Summertime Shanghai, China: Potential Influence of Photochemical Processes and Anthropogenic Sulfate Pollution	
#231	Yu, X., Zhou, M., Li, J., Qiao, L., Lou, S., Han, W., Zhang, Z., Huang, C., Yu, J. Z. *	J. Geophys. Res. Atmospheres 2023 , 128, e2023JD038921. https://doi.org/10.1029/2023JD038921
*	First Online Observation of Aerosol Total Organic Nitrogen at an Urban Site: Insights Into the Emission Sources and Formation Pathways of Nitrogenous Organic Aerosols	
#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

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#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
#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.* Hallquist, Å. M., Louie, P. K. K., Fung, J. C. H., Lau, A. K. H., Yu, J. Z.* 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.cchemrestox.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

Seq#	Authors Title	Source
#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
#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

Seq#	Authors Title	Source
#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.cremrestox.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
#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

Seq#	Authors Title	Source
#196	Wang, Y., Ma, Y. G., Kuang, B., Lin, P., Liang, Y., Huang, C., <u>Yu, J. Z.</u> *	Sci. Tot. Environ.
*	Abundance of Organosulfates Derived from Biogenic Volatile Organic Compounds: Seasonal and Spatial Contrasts at Four Sites in China	2022 , 809, 151275. https://doi.org/10.1016/j.scitotenv.2021.151275
#195	Zhuang, M., <u>Ma, Y. G.</u> *, Cheng, Y., Zhou, M., Dai, H., Huang, C., <u>Yu, J. Z.</u> , Zhu, S. H., Qiao, L., <u>Tong, Z.</u> *	Environ. Sci.
*	Characteristics of Nitroaromatic Compounds in PM _{2.5} in Urban Area of Shanghai	2022 , 43, 1725-1737. https://doi.org/10.13227/j.hjkx.202106215
2021		
#194	<u>Yu, J. Z.</u> *	Nature Chemistry
*	An Interfacial Role for NO ₂	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., <u>Yu, J. Z.</u> , <u>Li, L.</u> *	Sci. Tot. Environ.
	Hourly Measurement of PM _{2.5} -bound Nonpolar Organic Compounds in Shanghai: Characteristics, Sources and Health Risk Assessment	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., <u>Yu, J. Z.</u> *, <u>Zhang, Q.</u> *	Environ. Sci. Technol.
*	Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol using Online Molecular Tracers and Aerosol Mass Spectrometer Measurements	2021 , 55, 14526-14535. https://doi.org/10.1021/acs.est.1c03280
#191	<u>Chan, W.</u> *, Guo, W., <u>Yu, J. Z.</u>	Anal. Chem.
	Polyurethane-Based Face Mask as a Sampling Device for Environmental Tobacco Smoke	2021 , 93, 13912-13918. https://doi.org/10.1021/acs.analchem.1c02906
#190	Jing, L., Griffith, S. M., Sun, Z., <u>Yu, J. Z.</u> , <u>Chan, W.</u> *	Environ. Sci. Technol.
	On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution	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., <u>Yu, J. Z.</u> , <u>Ying, Q.</u> *	Environ. Sci. Technol.
	Estimation of Aromatic Secondary Organic Aerosol Using a Molecular Tracer - A Chemical Transport Model Assessment	2021 , 55, 12882-12892. https://doi.org/10.1021/acs.est.1c03670
#188	Wang, Q. Q., Yu, J. Z.*	Geophys. Res. Lett.
*	Ambient Measurements of Heterogeneous Ozone Oxidation Rates of Oleic, Elaidic, and Linoleic Acid Using a Relative Rate Constant Approach in an Urban Environment	2021 , e2021GL095130. https://doi.org/10.1029/2021GL095130
#187	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., <u>Yu, J. Z.</u> *	Environ. Pollut.
*	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	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., <u>Yu, J. Z.</u> *	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., <u>Tong, R. B.</u> *, <u>Yu, J. Z.</u> *	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

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#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
#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
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#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

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#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. 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
#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

Seq#	Authors Title	Source
#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
#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

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#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., <u>Yu, J. Z.</u> *	Sci. Tot. Environ. 2019 , 672, 776-788. https://www.sciencedirect.com/science/article/pii/S0048969719314792
*	Estimating Contributions of Vehicular Emissions to PM _{2.5} in a Roadside Environment: A Multiple Approach Study	
#149	<u>Wu, C.</u> *, Wu, D., <u>Yu, J. Z.</u> *	J. Geophys. Res. Atmospheres 2019 , 124, 2774-2795. https://doi.org/10.1029/2018JD029290
*	Estimation and Uncertainty Analysis of Secondary Organic Carbon Using 1 Year of Hourly Organic and Elemental Carbon Data	
#148	Wang, Q. Q., <u>Huang, X. H. H.</u> *, 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., <u>Yu, J. Z.</u> *	Atmos. Environ. 2019 , 198, 183-193. https://doi.org/10.1016/j.atmosenv.2018.10.057
*	Source Apportionment of Fine Particulate Matter in Macao, China with and without Organic Tracers: A Comparative Study using Positive Matrix Factorization	
#147	Yao, M., <u>Zhao, Y.</u> *, Hu, M. Q., Huang, D. D., Wang, Y. C., <u>Yu, J. Z.</u> , Yan, N. Q.	Environ. Sci. Technol. Lett. 2019 , 6, 768-774. https://doi.org/10.1021/acs.estlett.9b00657
*	Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging	
#146	Wang, S., Zhou, S., Tao, Y., Tsui, W. G., Ye, J., <u>Yu, J. Z.</u> , Murphy, J. G., McNeill, V. F., Abbatt, J., <u>Chan, A.W.</u> *	Environ. Sci. Technol. 2019 , 53, 10695-10704. https://pubs.acs.org/doi/full/10.1021/acs.est.9b02591
*	Organic Peroxides and Sulfur Dioxide in Aerosol: Source of Particulate Sulfate	
#145	Brüggemann, M., von Pinxteren, D., Wang, Y. C., <u>Yu, J. Z.</u> , Herrmann, H.	Environ. Chem. 2019 , 16, 333-346. https://doi.org/10.1071/EN19089
*	Quantification of Known and Unknown Terpenoid Organosulfates in PM ₁₀ using Untargeted LC–HRMS/MS: Contrasting Summertime Rural Germany and the North China Plain	
#144	Ma, Y. Q., Cheng, Y. B., Qiu, X. H., Cao, G., Kuang, B. Y., <u>Yu, J. Z.</u> , <u>Hu, D.</u> *	Environ. Pollut. 2019 , 255, 113087. https://doi.org/10.1016/j.envpol.2019.113087
*	Optical Properties, Source Apportionment and Redox Activity of Humic-Like Substances (HULIS) in Airborne Fine Particulates in Hong Kong	
#143	Zhu, M., Jiang, B., Li, S., Yu, Q. Q., Yu, X., Zhang, Y., Bi, X., <u>Yu, J. Z.</u> , George, C., Yu, Z., <u>Wang, X.</u> *	Environ. Sci. Technol. Lett. 2019 , 6, 318-322 https://pubs.acs.org/doi/pdf/10.1021/acs.estlett.9b00218
*	Organosulfur Compounds Formed from Heterogeneous Reaction between SO ₂ and Particulate-bound Unsaturated Fatty Acids in Ambient Air.	
#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., <u>Yu, J. Z.</u> , 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., <u>Chen, W.</u> *	Environ. Int. 2019 , 131, 104943. https://doi.org/10.1016/j.envint.2019.104943
*	The Development of a Cell-Based Model for the Assessment of Carcinogenic Potential upon Long-Term PM _{2.5} Exposure	
#141	Liu, M. X., Huang, X., <u>Song, Y.</u> *, 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., <u>Yu, J. Z.</u> , Lau, A. K. H., He, L. Y., Huang, X. F., Duan, L., Ding, A. J., Xue, L. K., Gao, J., Li, B., <u>Zhu, T.</u> *	PNAS 2019 , p201814880 https://doi.org/10.1073/pnas.1814880116
*	Ammonia Emission Control in China would Mitigate Haze Pollution and Nitrogen Deposition, but Worsen Acid Rain	
#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., <u>Yu, J. Z.</u> , Cai, Z. W., Zhang, J. Q., Jiang, Y. S., Aschner, M., Chen, R., Zheng, Y. X., <u>Chen, W.</u> *	Environ. Pollut. 2019 , 248, 874-887 https://doi.org/10.1016/j.envpol.2019.02.097
*	Multiple Organ Injury in Male C57BL/6J Mice Exposed to Ambient Particulate Matter in a Real-Ambient PM Exposure System in Shijiazhuang, China	

Seq#	Authors Title	Source
#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
2018		
#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. Bioanal. 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
#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

Seq#	Authors Title	Source
#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
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#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
#123	Nie, W. *, Hong, J., Häme, S. A. K., Ding, A. *, Li, Y., Yan, C., Hao, L., Mikkilä, J., Zheng, L., Xie, Y., Zhu, C., Xu, Z., Chi, X., Huang, X., Zhou, Y., Lin, P., Virtanen, A., Worsnop, D. R., Kulmala, M., Ehn, M., Yu, J. Z. , Kerminen, V.-M., Petäjä, T. Volatility of Mixed Atmospheric Humic-Like Substances and Ammonium Sulfate Particles	Atmos. Chem. Phys. 2017 , 17, 3659-3672. http://www.atmos-chem-phys.net/17/3659/2017
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#122	Wang, Q. Q., Feng, Y. M., Huang, X. H. H., Griffith, S. M., Zhang, T., Zhang, Q. Y., Wu, D., Yu, J. Z. * Nonpolar Organic Compounds as PM _{2.5} Source Tracers: Investigation of Their Sources and Degradation in the Pearl River Delta, China	J. Geophys. Res. Atmospheres 2016 , 121, 11,862 -11,879, https://doi.org/10.1002/2016JD025315
#121	Jiang, B., Kuang, B. Y., Liang, Y. M. *, Zhang, J. Y., Huang, X. H. H., Xu, C. M., Yu, J. Z. *, Shi, Q. * Molecular Composition of Urban Organic Aerosols on Clear and Hazy days in Beijing: A Comparative Study using FT-ICR MS	Environ. Chem. 2016 , 13, 888-901 https://www.publish.csiro.au/EN/EN15230
#120	Zhou, Y., Huang, X. H. H., Griffith, S. M., Li, M. *, Li, L., Zhou, Z., Wu, C., Meng, J., Chan, C. K., Louie, P. K. K., Yu, J. Z. * A Field Measurement Based Scaling Approach for Quantification of Major Ions, Organic Carbon, and Elemental Carbon Using a Single Particle Aerosol Mass Spectrometer	Atmos. Environ. 2016 , 143, 300-312 http://dx.doi.org/10.1016/j.atmosenv.2016.08.054
#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
#118	Xue, J., Yuan, Z., Griffith, S. M., Yu, X., Lau, A. K. H., Yu, J. Z. * Sulfate Formation Enhanced by a Cocktail of High NO _x , SO ₂ , Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation	Environ. Sci. Technol. 2016 , 50, 7325-7334 http://pubs.acs.org/doi/abs/10.1021/acs.est.6b00768

Seq#	Authors Title	Source
#117	Chow, K. S., Huang, X. H. H.* , Yu, J. Z.* * Quantification of Nitroaromatic Compounds in Atmospheric Fine Particulate Matter in Hong Kong over Three Years: Field Measurement Evidence for Secondary Formation derived from Biomass Burning Emissions	Environ. Chem. 2016 , 13, 665-673 https://doi.org/10.1071/EN15174
#116	Wu, C. and J. Z. Yu* * Determination of Primary Combustion Source Organic Carbon-to-Elemental Carbon (OC/EC) Ratio using Ambient OC and EC Measurements: Secondary OC-EC Correlation Minimization Method	Atmos. Chem. Phys. 2016 , doi:10.5194/acp-2015-997 https://doi.org/10.5194/acp-16-5453-2016
#115	Kuang, B. Y., Lin, P., Hu, M.* , Yu, J. Z.* * Aerosol Size Distribution Characteristics of Organosulfates in the Pearl River Delta Region, China	Atmos. Environ. 2016 , 130, 23-35 http://dx.doi.org/10.1016/j.atmosenv.2015.09.024
#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
#113	Cheung, H. H. Y., Tan, H., Xu, H., Li, F., Wu, C., Yu, J. Z. , Chan, C. K.* Measurements of Non-Volatile Aerosols with a VTDMA and Their Correlations with Carbonaceous Aerosols in Guangzhou, China	Atmos. Chem. Phys. 2016 , 16, 8431-8446 https://doi.org/10.5194/acp-16-8431-2016
#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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#111	Griffith, S. M., Huang, X. H. H., Louie, P. K. K., Yu, J. Z.* * Characterizing the Thermodynamic and Chemical Composition Factors Controlling PM _{2.5} Nitrate: Insights Gained from Two Years of Online Measurements in Hong Kong	Atmos. Environ. 2015 , 122, 864-875 http://dx.doi.org/10.1016/j.atmosenv.2015.02.009
#110	Wang, Q. Q., Huang, X. H. H., Zhang, T., Zhang, Q., Feng, Y., Yuan, Z., Wu, D., Lau, A. K. H., Yu, J. Z.* * Organic Tracer-based Source Analysis of PM _{2.5} Organic and Elemental Carbon: A Case Study at Dongguan in the Pearl River Delta, China	Atmos. Environ. 2015 , 118, 164-175 https://doi.org/10.1016/j.atmosenv.2015.07.033
#109	Dou, J., Lin, P., Kuang, B. Y., Yu, J. Z.* * Reactive Oxygen Species Production Mediated by Humic-like Substances in Atmospheric Aerosols: Enhancement Effects by Pyridine, Imidazole and Their Derivatives	Environ. Sci. Technol. 2015 , 49, 6457-6456 https://doi.org/10.1021/es5059378
#108	Zhou, Y., Huang, X. H. H., Bian, Q. J., Griffith, S. M., Louie, P. K. K., Yu, J. Z.* * Sources and Atmospheric Processes Impacting Oxalate at a Suburban Coastal Site in Hong Kong: Insights Inferred from One-Year Hourly Measurements	J. Geophys. Res. Atmosphere 2015 , 120, 9772-9788 https://doi.org/10.1002/2015JD023531
#107	Kuang, B. Y., Lin, P., Huang, X. H. H., Yu, J. Z.* * Sources of Humic-Like Substances in the Pearl River Delta, China: Positive Matrix Factorization Analysis of PM _{2.5} Major Components and Source Markers	Atmos. Chem. Phys. 2015 , 15, 1995-2008 https://doi.org/10.5194/acp-15-1995-2015

Seq#	Authors Title	Source
#106	Qiao, T., Zhao, M. F., <u>Xiu, G. L.</u> *, 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., <u>Wang, X.</u> *, Deng, W., Hu, Q., Ding, X., Zhang, Y., He, Q., Zhang, Z., Lv, S., Bi, X., Chen, J., <u>Yu, J. Z.</u> 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
#104	Lee, B. P., Li, Y. J., <u>Yu, J. Z.</u> , Louie, P. K. K., <u>Chan, C. K.</u> * Characteristics of Submicron Particulate Matter at the Urban Roadside in Downtown Hong Kong: Overview of 4 Months of Continuous High-Resolution Aerosol Mass Spectrometer Measurements	J. Geophys. Res. Atmospheres 2015 , 120, 7040-7058 https://doi.org/10.1002/2015JD023311
#103	Zhao, M. F., Huang, Z. S., Qiao, T., Zhang, Y. K., <u>Xiu, G. L.</u> *, Yu, J. Z. Chemical Characterization, the Transport Pathways and Potential Sources of PM _{2.5} in Shanghai: Seasonal Variations	Atmos. Res. 2015 , 158, 66-78 https://doi.org/10.1016/j.atmosres.2015.02.003
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#102	Xue, J., Griffith, S. M., Yu, X., Lau, A. K. H., <u>Yu, J. Z.</u> *	Atmos. Environ. 2014 , 99, 24-31 https://doi.org/10.1016/j.atmosenv.2014.09.049
*	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	
#101	Huang, X. H. H., Bian, Q. J., Louie, P. K. K., <u>Yu, J. Z.</u> *	Atmos. Chem. Phys. 2014 , 14, 9279-9293 https://doi.org/10.5194/acp-14-9279-2014
*	Contributions of Vehicular Carbonaceous Aerosols to PM _{2.5} in a Roadside Environment in Hong Kong	
#100	Bian, Q. J., Huang, X. H. H., <u>Yu, J. Z.</u> *	Atmos. Chem. Phys. 2014 , 14, 9013-9027 https://doi.org/10.5194/acp-14-9013-2014
*	One-year Observations of Size Distribution Characteristics of Major Aerosol Constituents at a Coastal Receptor Site in Hong Kong: I. Inorganic Ions and Oxalate	
#99	Xue, J., Yuan, Z., Lau, A. K. H., <u>Yu, J. Z.</u> *	J. Geophys. Res. Atmospheres 2014 , 119 https://doi.org/10.1002/2013JD021108
*	Insights into Factors Affecting Nitrate in PM _{2.5} in a Polluted High NO _x Environment through Hourly Observations and Size Distribution Measurements	
#98	Huang, X. H. H., Bian, Q. J., Ng, W. M., Louie, P. K. K., <u>Yu, J. Z.</u> *	Aerosol Air Qual. Res. 2014 , 14, 237-250 https://doi.org/10.4209/aaqr.2013.01.0020
*	Characterization of PM _{2.5} Major Components and Source Investigation in Suburban Hong Kong: a One-Year Monitoring Study	
#97	Xue, J., <u>Yuan, Z.</u> *, Yu, J. Z., Lau, A.K.H. An Observation-Based Model for Secondary Inorganic Aerosols	Aerosol Air Qual. Res. 2014 , 862-878 https://doi.org/10.4209/aaqr.2013.06.0188
#96	He, Q. F., <u>Ding, X.</u> *, Wang, X. M., Yu, J. Z., Fu, X. X., Liu, T. Y., Zhang, Z., Xue, J., Chen, D. H., Zhong, L. J., Donahue, N. M. Organosulfates from Pinene and Isoprene over the Pearl River Delta, South China- Seasonal Variation and Implication in Formation Mechanisms	Environ. Sci. Technol. 2014 , 48, 9236-9245 https://doi.org/10.1021/es501299v

Seq#	Authors Title	Source
#95	Yao, T., Fung, J. C. H.* , Ma, H., Lau, A. K. H., Chan, P. W., Yu, J. Z. , Xue, J. Enhancement in Secondary Particulate Matter Production due to Mountain Trapping	Atmos. Res. 2014 , 147, 227-236 https://doi.org/10.1016/j.atmosres.2014.05.007
#94	Wang, X.* , Liu, T., Bernard, F., Ding, X., Wen, S., Zhang, Y., Zhang, Z., He, Q., Lv, S., Chen, J., Saunders, J., Yu, J. Z. Design and Characterization of a Smog Chamber for Studying Gas-Phase Chemical Mechanisms and Aerosol Formation	Atmos. Meas. Tech. 2014 , 7, 301-313 https://doi.org/10.5194/amt-7-301-2014
#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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#92	Wu, D.* , Wu, C., Liao, B., Chen, H., Wu, M., Li, F., Tan, H., Deng, T., Li, H., Jiang, D., Yu, J. Z.* Black Carbon over the South China Sea and in Various Continental Locations in South China	Atmos. Chem. Phys. 2013 , 13, 12257-12270 https://doi.org/10.5194/acp-13-12257-2013
#91	Wang, S., Wu, D., Wang, X., Fung, J. C. H., Yu, J. Z.* 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	J. Geophys. Res. Atmospheres 2013 , 118, 507-519 https://doi.org/10.1029/2012JD017985
#90	Li, Y. C.* , Yu, J. Z. , Ho, S. S. H., Schauer, J. J., Yuan, Z. B., Lau, A. K. H., Louie, P. K. K. Chemical Characteristics and Source Apportionment of Fine Particulate Organic Carbon in Hong Kong during High Particulate Matter Episodes in Winter 2003	Atmos. Res. 2013 , 120-121, 88-98 https://doi.org/10.1016/j.atmosres.2012.08.005
#89	Hu, D.* , Yu, J. Z. Secondary Organic Aerosol Tracers and Malic acid in Hong Kong: Seasonal Trends and Origins	Environ. Chem. 2013 , 10, 381-194 https://doi.org/10.1071/EN13104
#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
#87	Li, Y. J., Lee, B. Y. L., Yu, J. Z. , Ng, N. L., Chan, C. K.* 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)	Atmos. Chem. Phys. 2013 , 13, 8739-8753 https://doi.org/10.5194/acp-13-8739-2013
#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
#85	Zhang, Y., Wang, X.* , Zhang, Z., Lv, S., Shao, M., Lee, F. S. C., Yu, J. Z. Species Profiles and Normalized Reactivity of Volatile Organic Compounds from Gasoline Evaporation in China	Atmos. Environ. 2013 , 79, 110-118 https://doi.org/10.1016/j.atmosenv.2013.06.029

Seq#	Authors Title	Source
#84	Yuan, Z., Zhong, L.J., Lau, A. K. H.* , Yu, J. Z. , Louie, P. K. K. Volatile Organic Compounds in the Pearl River Delta: Identification of Source Regions and Recommendations for Emission-Oriented Monitoring Strategies	Atmos. Environ. 2013 , 76, 162-172 https://doi.org/10.1016/j.atmosenv.2012.11.034
#83	Louie, P. K. K.* , Ho, J. W. K., Tsang, R. C. W., Blake, D. R., Lau, A. K. H., Yu, J. Z. , Yuan, Z., Wang, X., Shao, M., Zhong, L. VOCs and OVOCs Distribution and Control Policy Implications in Pearl River Delta Region, China	Atmos. Environ. 2013 , 76, 125-135 https://doi.org/10.1016/j.atmosenv.2012.08.058
#82	Sarwar, G.* , Fahey, K., Kwok, R., Gilliam, R. C., Roselle, S. J., Mathur, R., Xue, J., Yu, J. Z. , Carter, W. P. L. Potential Impacts of Two SO ₂ Oxidation Pathways on Regional Sulfate Concentrations: Aqueous-Phase Oxidation by NO ₂ and Gas-Phase Oxidation by Stabilized Criegee Intermediates	Atmos. Environ. 2013 , 68, 186-197 https://doi.org/10.1016/j.atmosenv.2012.11.036
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#81	Lin, P., Yu, J. Z.* , Engling, G., Kalberer, M.* * Organosulfates in Humic-Like Substance Fraction Isolated from Aerosols at Seven Locations in East Asia: A study by Ultrahigh Resolution Mass Spectrometry	Environ. Sci. Technol. 2012 , 46, 13118-13127 https://doi.org/10.1021/es303570v
#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
#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
#77	Wu, C., Ng, W. M., Huang, J., Wu, D., Yu, J. Z.* * Determination of Elemental and Organic Carbon in PM _{2.5} in the Pearl River Delta Region: Inter-Instrument (Sunset vs. DRI Model 2001 Thermal/Optical Carbon Analyzer) and Inter-Protocol Comparisons (IMPROVE vs. ACE-Asia Protocol)	Aerosol Sci. Technol. 2012 , 46, 610-621 https://doi.org/10.1080/02786826.2011.649313
#76	Zhang, H., Li, J., Ying, Q.* , Yu, J. Z. , Cheng, Y., He, D., Jiang, J. Source Apportionment of PM _{2.5} Nitrite and Sulfate in China using a Source-Oriented Chemical Transport Model	Atmos. Environ. 2012 , 62, 228-242 https://doi.org/10.1016/j.atmosenv.2012.08.014
#75	Ding, X., Wang, X.* , Gao, Bo, Fu, X., He, Q., Zhao, X., Yu, J. Z. , Zheng, M. Tracer Based Estimation of Secondary Organic Carbon in the Pearl River Delta, South China	J. Geophys. Res. Atmospheres 2012 , D05313 https://doi.org/10.1029/2011JD016596
#74	Guo, C., Yu, J. Z. , Ho, T. Y., Wang, L., Song, S., Kong, L., Liu, H.* Dynamics of Phytoplankton Community Structure in the South China Sea in Response to the East Asian Aerosol Input	Biogeoscience 2012 , 9, 1519-1536 https://doi.org/10.5194/bg-9-1519-2012

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#73	Ho, S. S. H.* , Ho, K. F., Lee, S. C., Cheng, Y., Yu, J. Z. , Lam, K. M., Feng, N. S. Y., Huang, Y. Carbonyl Emissions from Vehicular Exhausts Sources in Hong Kong	J. Air Waste Manag. Assoc. 2012 , 62, 221-234 https://doi.org/10.1080/10473289.2011.642952
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#72	Lin, P., Yu, J. Z.* * Generation of Reactive Oxygen Species Mediated by Humic-like Substances in Atmospheric Aerosols	Environ. Sci. Technol. 2011 , 45, 10362-10368 https://doi.org/10.1021/es2028229
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