

PEER-REVIEWED PUBLICATIONS

Citation Metrics

World Top 2% Scientists (2019-2024) (Earth & Environmental Science) (Stanford University-Elsevier-SciTech Strategies)

As of 2025.11.05., by Web of Science, total citations: 15,796, h-index = 73

As of 2025.11.05., by Google Scholar, total citations: 20,940, h-index = 84, i10-index = 227

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

Seq#	Authors Title	Source
2025		
#278	Cheng, Y., Chen, H., <u>Yu, J. Z.</u> *	Environ., Sci. Technol.
*	Linking Transition Metal Concentration and Oxidative Potential in PM _{2.5} by Ascorbic Acid Assay via Quasi-Michaelis–Menten Mechanism	2025 , 59, 23161-23172. https://doi.org/10.1021/acs.est.5c09374
#277	Li, S., <u>Wang, Y.</u> *, Zhang, Y., Yi, Y., Wang, Y., Guo, Y., Yu, C., Jiang, Y., Shi, J., Zhang, C., Zhu, J., Hu, W., <u>Yu, J. Z.</u> , Yao, X., Gao, H., <u>Hu, M.</u> *	Atmos. Chem. Phys.
	Atmospheric Organosulfate Formation Regulated by Continental Outflows and Marine Emissions over East Asian Marginal Seas	2025 , 25, 12585-12598. https://doi.org/10.5194/acp-25-12585-2025
#276	Lai, D., Bai, Y., Zhang, Z., So, P. K., Li, Y. J., Tse, Y. L. S., Yeung, Y. Y., Schaefer, T., Herrmann, H., <u>Yu, J. Z.</u> , <u>Wang, Y.</u> *, <u>Chan, M. N.</u> *	Atmos. Chem. Phys.
	Rapid Aqueous-phase Oxidation of an α -Pinene-derived Organosulfate by Hydroxyl Radicals: a Potential Source of Some Unclassified Oxygenated and Small Organosulfates in the Atmosphere	2025 , 25, 12569-12584. https://doi.org/10.5194/acp-25-12569-2025
#275	Li, J., Wang, S., Yu, X., Cheng, Y. Y., Chen, H., <u>Yu, J. Z.</u> *	NPJ Clean Air
*	Molecular and Elemental Markers-based Source Apportionment of Organic Nitrogen in PM _{2.5} at a Suburban Site in Hong Kong	2025 , 1, 27. https://doi.org/10.1038/s44407-025-00026-5
#274	<u>Huang, R.</u> *, Li, Y., Chen, Q., Zhang, Y., Llin, C., Chan, C. K., <u>Yu, J. Z.</u> , de Gouw, J., Tong, S., Jiang, J., Wang, W., Ding, X., Wang, X., Ge, M., Zhou, W., Worsnop, D., Boy, M., Bilde, M., Dusek, U., Carlton, A. G., Hoffmann, T., McNeill, V. F., Glasius, M.	Science
	Secondary Organic Aerosol in Urban China: A Distinct Chemical Regime for Air Pollution Studies	2025 , 389, eadq2840. https://doi.org/10.1126/science.adq2840
#273	Liu, J., Jiang, F., Wang, Q., <u>Zhang G.</u> *, Li, J., Chen, W., Ding, P., Zhu, S., Cheng, Z., Zhang, X., Sha, Q., Huang, Z., Yuan, X., <u>Zheng, J.</u> *, Zhang, Y., Yan, C., Tian, C., Chen, Y., <u>Yu, J. Z.</u> *, <u>Gustafsson, Ö.</u> *	PNAS
*	Substantial Reductions in Black Carbon from both Fossil Fuels and Biomass Burning during China's Clean Air Action	2025 , 122, e2500843122 https://doi.org/10.1073/pnas.2500843122
#272	Zhu, S., Zhang, J., Li, L., Zhou, M., Qiao, L., Wang, H., Huang, D. D., Wang, Q., Jing S., Wu, Y., Wang, S., Chen, C., <u>Ying, Q.</u> *, <u>Yu, J. Z.</u> *	Environ. Sci. Technol.
*	Aerosol Uptake Coefficients of Isoprene Epoxides: Determination and Parameter Estimation from Online Field Measurements of Organic Molecular Markers	2025 , 59, 18249-18258. https://doi.org/10.1021/acs.est.5c09046
#271	Yu, X., Zhou, M., Zhu, S., Qiao, L., Li, J., Ma, Y., Zhang, Z., Liao, K., Wang, H., <u>Yu, J. Z.</u> *	Atmos. Chem. Phys.
*	Significant Secondary Formation of Nitrogenous Organic Aerosols in an Urban Atmosphere Revealed by Bihourly Measurements of Bulk Organic Nitrogen and Comprehensive Molecular Markers	2025 , 25, 9061-9074. https://doi.org/10.5194/acp-25-9061-2025

Seq#	Authors Title	Source
#270	Wang, S., Wang, Q., Chen, H., Cheng, Y. Y., Zhang, Z., Li, J., Liao, K., Feng, X., Zheng, P., Wang, Z., Gu, D., <u>Yu, J. Z.</u> *	ACS ES&T Air 2025 , 2, 1962-1971. https://doi.org/10.1021/acses.tair.5c00170
*	Informing City-Scale Air Pollution Episodes Using Hourly Time-Scale Measurements of PM _{2.5} Molecular and Elemental Tracers at an Air Quality Research Supersite in Hong Kong	
#269	Lin, M., Feng, Y., He, X., Kuang, B., Huang, X. H. H., Liang, Y., <u>Yu, J. Z.</u> *	Atmos. Pollut. Res. 2025 , 16, 102669. https://doi.org/10.1016/j.apr.2025.102669
*	Identification and Semi-Quantification of Alkylated Polycyclic Aromatic Hydrocarbons in PM _{2.5} Filter Samples using in-Injection Port Thermal Desorption coupled with Two-Dimensional Gas Chromatography and Rapid-scanning Quadrupole Mass Spectrometry (TD-GC×GC-qMS)	
#268	He, X., Huang, X. H. H., Chow, K. S., <u>Yu, J. Z.</u> *	Atmos. Environ. 2025 , 360, 121410. https://doi.org/10.1016/j.atmosenv.2025.121410
*	Tracking Secondary Organic Aerosol Formation with Molecular Tracers: Contributions from Biogenic and Anthropogenic Precursors	
#267	Chen, Y., Xia, M., Zheng, P., Li, Y., Zou, Z., Tong, S., Li, K., Feng, X., Hui, L., Yuan, Q., Li, J., <u>Yu, J. Z.</u> , Lee, S. C., Wang, T., <u>Wang, Z.</u> *	NPJ Clim. Atmos. Sci. 2025 , 8, 266. https://doi.org/10.1038/s41612-025-01156-z
	Complex Gas-particle Partitioning of Nitro-Phenolic Compounds: Field-based Insights and Determination of Apparent Activity Coefficient	
#266	Au, C. K., Chin, M. L., Luk, W. L., Wong, K. W., Che, L. Y., Yuan, B., Ilić, G., Chan, H. W., <u>Yu, J. Z.</u> , <u>Pavlović, N. M.</u> *, Cai, Z., <u>Chan, W.</u> *	J. Agric. Food Chem. 2025 , 73, 16293-16300. https://doi.org/10.1021/acs.jafc.5c06473
	Analysis of Honey and Environmental Samples from BEN Endemic Villages in Serbia: Identification of a Novel Human Exposure Pathway for Aristolochic Acids and Aristolactams	
#265	Liang, S., Wang, Y., Chen, H., Chan, W., <u>Yu, J. Z.</u> *	Environ. Sci. Technol. 2025 , 59, 10812-12821. https://doi.org/10.1021/acs.est.5c01846
*	Accurate Quantification of Multifunctional C ₂₋₃ Organosulfates in Atmospheric Aerosols Using Liquid Chromatography-Electrospray Ionization Mass Spectrometry: Overcoming Matrix Effects and Underestimation	
#264	Yang, Q., Xie, J., Zhang, L., <u>Yu, J. Z.</u> , Wang, Y., <u>Li, X.</u> *	Environ. Pollu. 2025 , 380, 126525. https://doi.org/10.1016/j.envpol.2025.126525
	Traffic-related PM _{2.5} Pollution in Hong Kong: Component-Specific and Source-Resolved Health Risks and Cytotoxicity	
#263	Tse, H. T., <u>Yu, J. Z.</u> , Cai, Z., <u>Chan, W.</u> *	Anal. Chem. 2025 , 97, 10424-10432. https://doi.org/10.1021/acs.analchem.5c01129
	Disposable Face Masks for Noninvasive Drug Detection: A Proof-of-Concept Study with Cough Syrup Constituents	
#262	Zhang, Y., Han, R., Wu, G., Wang, X., <u>Li, L.</u> *, Li, M., Zhou, Z., <u>Yu, J. Z.</u> , <u>Zhou, Y.</u> *	Atmos. Environ. 2025 , 353, 121243. https://doi.org/10.1016/j.atmosenv.2025.121243
	Improved Method for Estimating Chlorine Depletion in Sea Salt Aerosols using Single Particle Aerosol Mass Spectrometer	
#261	Wang, Q., Wang, S., Chen, H., Zhang, Z., Yu, H., Chan, M. N., <u>Yu, J. Z.</u> *	J. Geophys. Res. Atmospheres 2025 , e2024JD042423 https://doi.org/10.1029/2024JD042423
*	Ambient Measurements of Daytime Decay Rates of Levoglucosan, Mannosan, and Galactosan	
#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> *	Environ. Pollut. 2025 , 368, 125776. https://doi.org/10.1016/j.envpol.2025.125776
	Characterizing Sources and Health Risks of Airborne Carbonyl Compounds in a Subtropical Coastal Atmosphere in South China	

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#259	Li, Y., Fu, T. M.* , Yu, J. Z.* , 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., Gu, D.* , 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., Yu, J. Z. , 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., Yu, J. Z.* 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	Lin, C.* , Yu, J. Z.* , 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., Lau, A. K. H.* 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	Lo, H. W.* , 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., Yu, J. Z. , Thibodeau, B.* 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., Yu, J. Z.* 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., Yu, J. Z. , Cai, Z., Chan, W.* 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
#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

Seq#	Authors Title	Source
#248	Yang, T., <u>Xu, Y.</u> *, Ma, Y. J., Wang, Y. C., <u>Yu, J. Z.</u> , 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., <u>Yu, J. Z.</u> , Dedon, P. C., <u>Chan, W.</u> * 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., <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
#238	Wang, Q., Zhu, S., Wang, S., Huang, C., Duan, Y., <u>Yu, J. Z.</u> * 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., <u>Feng, Y.</u> *, Li, L., Chen, Y., <u>Yu, J. Z.</u> 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

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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 PM _{2.5} 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
#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

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#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.*, Huang, Y., Cheung, R. K. Y., Hallquist, 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.cremrestox.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
#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

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#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
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#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
#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

Seq#	Authors Title	Source
#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
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#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

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#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. 2021 , 55, 14526-14535. https://doi.org/10.1021/acs.est.1c03280
	Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol using Online Molecular Tracers and Aerosol Mass Spectrometer Measurements	
#191	<u>Chan, W.</u> *, Guo, W., <u>Yu, J. Z.</u>	Anal. Chem. 2021 , 93, 13912-13918. https://doi.org/10.1021/acs.analchem.1c02906
	Polyurethane-Based Face Mask as a Sampling Device for Environmental Tobacco Smoke	
#190	Jing, L., Griffith, S. M., Sun, Z., <u>Yu, J. Z.</u> , <u>Chan, W.</u> *	Environ. Sci. Technol. 2021 , 55, 14095-14104. https://doi.org/10.1021/acs.est.1c04591
	On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution	
#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. 2021 , 55, 12882-12892. https://doi.org/10.1021/acs.est.1c03670
	Estimation of Aromatic Secondary Organic Aerosol Using a Molecular Tracer - A Chemical Transport Model Assessment	
#188	Wang, Q. Q., Yu, J. Z.*	Geophys. Res. Lett. 2021 , e2021GL095130. https://doi.org/10.1029/2021GL095130
	Ambient Measurements of Heterogeneous Ozone Oxidation Rates of Oleic, Elaidic, and Linoleic Acid Using a Relative Rate Constant Approach in an Urban Environment	
#187	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., <u>Yu, J. Z.</u> *	Environ. Pollut. 2021 , 291, 118131. https://doi.org/10.1016/j.envpol.2021.118131
	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	
#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. 2021 , 55, 11579-11589. https://pubs.acs.org/doi/10.1021/acs.est.1c04876
	Simultaneous Determination of Aerosol Inorganic and Organic Nitrogen by Thermal Evolution and Chemiluminescence Detection	
#185	Wang, Y. C., <u>Tong, R. B.</u> *, <u>Yu, J. Z.</u> *	Environ. Sci. Technol. 2021 , 55, 8573-8582. https://pubs.acs.org/doi/full/10.1021/acs.est.1c00348
	Chemical Synthesis of Multifunctional Air Pollutants: Terpene-Derived Nitrooxy Organosulfates	
#184	Li, Y., <u>Fu, T. M.</u> *, <u>Yu, J. Z.</u> *, 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. 2021 , 55, 5525-5536. https://pubs.acs.org/doi/abs/10.1021/acs.est.0c07313
	Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use as a Biomass Burning	
#183	<u>Chan, W.</u> *, Jin, L., Sun, Z. H., <u>Griffith, S. M.</u> *, <u>Yu, J. Z.</u> *	Environ. Sci. Technol. 2021 , 55, 5128-5135. https://pubs.acs.org/doi/10.1021/acs.est.0c08327
	Fabric Masks as a Personal Dosimeter for Quantifying Exposure to Airborne Polycyclic Aromatic Hydrocarbons	
#182	Lin, M. F., <u>Yu, J. Z.</u> *	Environ. Pollut. 2021 , 275, 116616. https://doi.org/10.1016/j.envpol.2021.116616
	Assessment of Oxidative Potential by Hydrophilic and Hydrophobic Fractions of Water-soluble PM _{2.5} and Their Mixture Effects	
#181	Liao, K. Z., Park, E. S., Zhang, J., Cheng, L. J., Ji, D. S., <u>Ying, Q.</u> *, <u>Yu, J. Z.</u> *	Sci. Tot. Environ. 2021 , 767, 144282. https://doi.org/10.1016/j.scitotenv.2020.144282
	A Multiple Linear Regression Model with Multiplicative Log-normal Error Term for Atmospheric Concentration Data	

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#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
#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

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#169	Liao, K. Z., <u>Yu, J. Z.</u> *	Chemosphere
*	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)	2020 , 259, 127518. https://doi.org/10.1016/j.chemosphere.2020.127518
#168	<u>Zhou, Y.</u> *, Zhang, Y. J., Griffith, S. M., Wu, G. R., Li, L., Zhao, Y. H., Li, M., Zhou, Z., <u>Yu, J. Z.</u> *	Environ. Sci. Technol.
*	Field Evidence of Fe-Mediated Photochemical Degradation of Oxalate and Subsequent Sulfate Formation Observed by Single Particle Mass Spectrometry	2020 , 54, 6562-6574. https://doi.org/10.1021/acs.est.0c00443
#167	Lin, M. F., <u>Yu, J. Z.</u> *	Environ. Sci. Technol.
*	Assessment of Interactions between Transition Metals and Atmospheric Organics: Ascorbic Acid Depletion and Hydroxyl Radical Formation in Organic-Metal Mixtures	2020 , 54, 1431-1442. https://doi.org/10.1021/acs.est.9b07478
#166	Zhang, Y. L., Zhang, R. X., <u>Yu, J. Z.</u> , Zhang, Z., Yang, W. Q., Zhang, H. N., Lyu, S. J., Wang, Y. S., Dai, W., <u>Wang, Y. H.</u> *, <u>Wang, X. M.</u> *	J. Geophys. Res. Atmospheres
	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012–2014: Comparison With Model Simulation	2020 , 125, e2020JD033523. https://doi.org/10.1029/2020JD033523
#165	Xu, R. S., Ge, Y., Kwong, K. C., Poon, H. Y., Wilson, K., <u>Yu, J. Z.</u> , <u>Chan, M. N.</u> *	ACS Earth Space Chem.
	Inorganic Sulfur Species Formed upon Heterogeneous OH Oxidation of Organosulfates: A Case Study of Methyl Sulfate	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., <u>Yu, J. Z.</u> , <u>Wang, X. M.</u> *	J. Geophys. Res. Atmospheres
	Enhanced Wet Deposition of Water-Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and In-Cloud Scavenging	2020 , 125, e2019JD030983. https://doi.org/10.1029/2020JD032699
#163	Lee, J. S., Kim, E. S., Kim, K. A., <u>Yu, J. Z.</u> , Kim, Y. P., Jung, C. H., <u>Lee, J. Y.</u> *	Asian J. Atmos. Environ.
	Temporal Variations and Characteristics of the Carbonaceous Species in PM _{2.5} Measured at Anmyeon Island, a Background Site in Korea	2020 , 14, 35-46. https://doi.org/10.5572/ajae.2020.14.1.035
#162	<u>Morrison, D.</u> *, Li, J. J., Crawford, I., Che, W. W., Flynn, M., Chan, M. N., Lau, A. K. H., Fung, J. C. H., Topping, D., <u>Yu, J. Z.</u> , Gallagher, M.	Atmosphere
	The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018	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., <u>Yu, J. Z.</u> , and <u>Yu, H.</u> *	Atmos. Chem. Phys.
	Probing Key Organic Substances Driving New Particle Growth Initiated by Iodine Nucleation in Coastal Atmosphere	2020 , 20, 9821-9835. https://doi.org/10.5194/acp-20-9821-2020
#160	Ma, Y. Q., Cheng, Y. B., Gao, C., <u>Yu, J. Z.</u> , <u>Hu, D.</u> *	Environ. Sci. Pollut. Res.
	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	2020 , 27, 23172-23180. https://doi.org/10.1007/s11356-020-08915-w
#159	Sun, J. Y., <u>Wu, C.</u> *, <u>Wu, D.</u> *, Cheng, C., Li, M., Li, L., Deng, T., <u>Yu, J. Z.</u> , Li, Y. J., Zhou, Q., Liang, Y., Sun, T., Song, L., Cheng, P., Yang, W., Pei, C., Chen, Y., Cen, Y., Nian, H. <u>Zhou, Z.</u> *	Atmos. Chem. Phys.
	Amplification of Black Carbon Light Absorption Induced by Atmospheric Aging: Temporal Variation at Seasonal and Diel Scales in Urban Guangzhou	2020 , 20, 2445-2470. https://www.atmos-chem-phys.net/20/2445/2020/

Seq#	Authors Title	Source
#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. 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
#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

Seq#	Authors Title	Source
#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
#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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2018		
#137	Kuang, B. Y., Yeung, H. S., Lee, C. C., Griffith, S. G., <u>Yu, J. Z.</u> *	Anal. Bioanal. Chem.
*	Aromatic Formulas in Ambient PM _{2.5} Samples from Hong Kong Determined using FT-ICR Ultrahigh Resolution Mass Spectrometry	2018 , 410, 6289-6304. https://doi.org/10.1007/s00216-018-1239-8
#136	Wang, Y. J., <u>Hu, M.</u> *, 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.	Atmos. Chem. Phys.
*	The Secondary Formation of Organosulfates under the Interactions between Biogenic Emissions and Anthropogenic Pollutants in Summer of Beijing	2018 , 18, 10693-10713 https://www.atmos-chem-phys.net/18/10693/2018/
#135	Wang, Q. Q., <u>Qiao, L. P.</u> *, Zhou, M., Zhu, S. H., Griffith, S. M., <u>Li, L.</u> *, <u>Yu, J. Z.</u> *	J. Geophys. Res. Atmospheres
*	Source Apportionment of PM _{2.5} Using Hourly Measurements of Elemental Tracers and Major Constituents in an Urban Environment: Investigation of Time-Resolution Influence	2018 , 123 (10), 5284-5300. https://doi.org/10.1029/2017JD027877
#134	<u>Wu, C.</u> *, <u>Yu, J. Z.</u> *	Atmos. Meas. Tech.
*	Evaluation of Linear Regression Techniques for Atmospheric Applications: The Importance of Appropriate Weighting	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., <u>Yu, J. Z.</u> *	ACS Earth Space Chem.
*	Abundance and Sources of Phthalic Acids, Benzene Tricarboxylic Acids and Phenolic Acids in PM _{2.5} at Urban and Suburban Sites in Southern China.	2018 , 2, 147-158. http://pubs.acs.org/doi/10.1021/acsearthspacechem.7b00131
#132	<u>Wu, C.</u> *, Wu, D., <u>Yu, J. Z.</u> *	Atmos. Chem. Phys.
*	Quantifying Black Carbon Light Absorption Enhancement with a Novel Statistical Approach	2018 , 18, 289-309 https://doi.org/10.5194/acp-18-289-2018
#131	Li, L., An, J., Zhou, M., <u>Qiao, L.</u> *, Zhu, S., Yan, R., Ooi, C. G., Wang, H., Huang, C., Huang, L., Tao, S., <u>Yu, J. Z.</u> , <u>Chan, A.</u> *, Wang, Y. J., Feng, J. L., Chen, C. H.	Environ. Sci. Technol.
	An Integrated Source Apportionment Methodology and Its Application over the Yangtze River Delta Region, China	2018 , 52, 14216-14227 https://doi.org/10.1021/acs.est.8b01211
#130	<u>Le Breton, M.</u> *, 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., <u>Yu, J. Z.</u> , Lu, K., <u>Guo, S.</u> , Hu, M., Hallquist, M.	Atmos. Chem. Phys.
	Online Gas- and Particle-Phase Measurements of Organosulfates, Organosulfonates and Nitrooxy Organosulfates in Beijing utilizing a FIGAERO ToF-CIMS	2018 , 18, 10355-10371. https://www.atmos-chem-phys.net/18/10355/2018/
#129	Zhang, X. X., <u>Yuan, Z.</u> *, Li, W. S., Lau, A. K. H., <u>Yu, J. Z.</u> , Fung, J. C. H., Zheng, J. Y., Yu, A. L. C.	Atmos. Res.
	Eighteen-Year Trends of Local and Non-local Impacts to Ambient PM ₁₀ in Hong Kong Based on Chemical Speciation and Source Apportionment	2018 , 214, 1-9 https://doi.org/10.1016/j.atmosres.2018.07.004
#128	Ma, Y., Cheng, Y., <u>Qiu, X.</u> *, Cao, G., Fang, Y., Wang, J., Zhu, T., <u>Yu, J. Z.</u> , <u>Hu, D.</u> *	Atmos. Chem. Phys.
	Sources and Oxidative Potential of Water-Soluble Humic-Like Substances (HULIS _{WS}) in Fine Particulate Matter (PM _{2.5}) in Beijing	2018 , 18(8), 5607-5617. https://doi.org/10.5194/acp-18-5607-2018

Seq#	Authors Title	Source
2017		
#127	Wang, Q. Q., He, X., Huang, X. H. H., Griffith, S. M., Feng, Y. M., Zhang, T., Zhang, Q. Y., Wu, D., <u>Yu, J. Z.</u> *	ACS Earth Space Chem. 2017 , 1, 562-571. http://pubs.acs.org/doi/pdf/10.1021/acsearthspacechem.7b00088
*	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	
#126	Wang, N. J., <u>Yu, J. Z.</u> *	Atmos. Environ. 2017 , 166, 110-119 https://doi.org/10.1016/j.atmosenv.2017.07.009
*	Size Distributions of Hydrophilic and Hydrophobic Fractions of Water-Soluble Organic Carbon in an Urban Atmosphere in Hong Kong	
#125	Wang, Y. C., Ren, J. Y., Huang, X. H. H., <u>Tong, R. B.</u> *, <u>Yu, J. Z.</u> *	Environ. Sci. Technol. 2017 , 51 (12), 6791-6801 https://doi.org/10.1021/acs.est.7b01179
*	Synthesis of Four Monoterpene-derived Organosulfates and their Quantification in Atmospheric Aerosol Samples	
#124	Li, Y. G., Huang, X. H. H., Griffith, S. M., Wu, C., Lau, A. K. H., <u>Yu, J. Z.</u> *	Sci. Tot. Environ. 2017 , 575, 1571-1581. http://dx.doi.org/10.1016/j.scitotenv.2016.10.082
*	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	
#123	<u>Nie, W.</u> *, Hong, J., Häme, S. A. K., <u>Ding, A.</u> *, 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., <u>Yu, J. Z.</u> , Kerminen, V.-M., Petäjä, T.	Atmos. Chem. Phys. 2017 , 17, 3659-3672. http://www.atmos-chem-phys.net/17/3659/2017
	Volatility of Mixed Atmospheric Humic-Like Substances and Ammonium Sulfate Particles	
2016		
#122	Wang, Q. Q., Feng, Y. M., Huang, X. H. H., Griffith, S. M., Zhang, T., Zhang, Q. Y., Wu, D., <u>Yu, J. Z.</u> *	J. Geophys. Res. Atmospheres 2016 , 121, 11,862 -11,879, https://doi.org/10.1002/2016JD025315
*	Nonpolar Organic Compounds as PM _{2.5} Source Tracers: Investigation of Their Sources and Degradation in the Pearl River Delta, China	
#121	Jiang, B., Kuang, B. Y., <u>Liang, Y. M.</u> *, Zhang, J. Y., Huang, X. H. H., Xu, C. M., <u>Yu, J. Z.</u> *, <u>Shi, Q.</u> *	Environ. Chem. 2016 , 13, 888-901 https://www.publish.csiro.au/EN/EN15230
*	Molecular Composition of Urban Organic Aerosols on Clear and Hazy days in Beijing: A Comparative Study using FT-ICR MS	
#120	Zhou, Y., Huang, X. H. H., Griffith, S. M., <u>Li, M.</u> *, Li, L., Zhou, Z., Wu, C., Meng, J., Chan, C. K., Louie, P. K. K., <u>Yu, J. Z.</u> *	Atmos. Environ. 2016 , 143, 300-312 http://dx.doi.org/10.1016/j.atmosenv.2016.08.054
*	A Field Measurement Based Scaling Approach for Quantification of Major Ions, Organic Carbon, and Elemental Carbon Using a Single Particle Aerosol Mass Spectrometer	
#119	Wu, C., Huang, X. H. H., Ng, W. M., Griffith, S. M., <u>Yu, J. Z.</u> *	Atmos. Meas. Tech. 2016 , 9, 4547-4560 http://www.atmos-meas-tech.net/9/4547/2016
*	Inter-Comparison of NIOSH and IMPROVE Protocols for OC and EC Determination: Implications for Inter-Protocol Data Conversion	
#118	Xue, J., Yuan, Z., Griffith, S. M., Yu, X., Lau, A. K. H., <u>Yu, J. Z.</u> *	Environ. Sci. Technol. 2016 , 50, 7325-7334 http://pubs.acs.org/doi/abs/10.1021/acs.est.6b00768
*	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	
#117	Chow, K. S., <u>Huang, X. H. H.</u> *, <u>Yu, J. Z.</u> *	Environ. Chem. 2016 , 13, 665-673 https://doi.org/10.1071/EN15174
*	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	

Seq#	Authors Title	Source
#116	Wu, C. and J. Z. Yu*	Atmos. Chem. Phys.
*	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	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.*	Atmos. Environ.
*	Aerosol Size Distribution Characteristics of Organosulfates in the Pearl River Delta Region, China	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.	Sci. Tot. Environ.
	Temporal Variations and Source Apportionment of Hulis-C in PM _{2.5} in Urban Shanghai	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.*	Atmos. Chem. Phys.
	Measurements of Non-Volatile Aerosols with a VTDMA and Their Correlations with Carbonaceous Aerosols in Guangzhou, China	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.	Atmos. Chem. Phys.
	Formation of Secondary Aerosols from Gasoline Vehicle Exhaust when Mixing with SO ₂	2016 , 16, 675-689 https://doi.org/10.5194/acp-16-675-2016
2015		
#111	Griffith, S. M., Huang, X. H. H., Louie, P. K. K., Yu, J. Z.*	Atmos. Environ.
*	Characterizing the Thermodynamic and Chemical Composition Factors Controlling PM _{2.5} Nitrate: Insights Gained from Two Years of Online Measurements in Hong Kong	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.*	Atmos. Environ.
*	Organic Tracer-based Source Analysis of PM _{2.5} Organic and Elemental Carbon: A Case Study at Dongguan in the Pearl River Delta, China	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.*	Environ. Sci. Technol.
*	Reactive Oxygen Species Production Mediated by Humic-like Substances in Atmospheric Aerosols: Enhancement Effects by Pyridine, Imidazole and Their Derivatives	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.*	J. Geophys. Res.
*	Sources and Atmospheric Processes Impacting Oxalate at a Suburban Coastal Site in Hong Kong: Insights Inferred from One-Year Hourly Measurements	Atmosphere 2015 , 120, 9772-9788 https://doi.org/10.1002/2015JD023531
#107	Kuang, B. Y., Lin, P., Huang, X. H. H., Yu, J. Z.*	Atmos. Chem. Phys.
*	Sources of Humic-Like Substances in the Pearl River Delta, China: Positive Matrix Factorization Analysis of PM _{2.5} Major Components and Source Markers	2015 , 15, 1995-2008 https://doi.org/10.5194/acp-15-1995-2015
#106	Qiao, T., Zhao, M. F., Xiu, G. L.* , Yu, J. Z.	Atmos. Environ.
	Seasonal Variations of Water Soluble Composition (WSOC, Hulis and WSIIIs) in PM ₁ and Its Implications on Haze Pollution in Urban Shanghai, China	2015 , 123, 306-314 https://doi.org/10.1016/j.atmosenv.2015.03.010

Seq#	Authors Title	Source
#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
#104	Lee, B. P., Li, Y. J., Yu, J. Z. , Louie, P. K. K., Chan, C. K. * 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., Xiu, G. L. *, 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
2014		
#102	Xue, J., Griffith, S. M., Yu, X., Lau, A. K. H., Yu, J. Z. *	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., Yu, J. Z. *	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., Yu, J. Z. *	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., Yu, J. Z. *	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., Yu, J. Z. *	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., Yuan, Z. *, 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., Ding, X. *, 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
#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

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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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#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
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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
#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
#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

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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
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#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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#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
#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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*	Generation of Reactive Oxygen Species Mediated by Humic-like Substances in Atmospheric Aerosols	2011 , 45, 10362-10368 https://doi.org/10.1021/es2028229
#71	Yu, J. Z.* , Huang, X. H. H., Ho, S. S. H., Bian, Q.	Anal. Bioanal. Chem.
*	Nonpolar Organic Compounds in Fine Particles: Quantification by Thermal Desorption-GC/MS and Evidence for Their Significant Oxidation in Ambient Aerosols in Hong Kong	2011 , 401, 3125-3139 https://doi.org/10.1007/s00216-011-5458-5
#70	Xue, J., Lau, A. K. H., Yu, J. Z.*	Atmos. Environ.
*	A Study of Acidity on PM _{2.5} in Hong Kong using Online Ionic Chemical Composition Measurements	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.*	J. Geophys. Res. Atmospheres
*	Secondary Organic Aerosol Formation from Ethylene in the Urban Atmosphere of Hong Kong: A Multiphase Chemical Modeling Study	2011 , 116, D03206 https://doi.org/10.1029/2010JD014121
#68	Yu, H., Yu, J. Z.*	Aerosol Sci. Technol.
*	Size Distribution of Polycyclic Aromatic Hydrocarbons at two receptor Sites in the Pearl River Delta Region, China: Implications of a Dominant Droplet Mode	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.*	Atmos. Environ.
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*	Source Apportioning of Primary and Secondary Organic Carbon in Summer PM _{2.5} in Hong Kong using Positive Matrix Factorization of Secondary and Primary Organic Tracer Data	2010 , 115, D16204 https://doi.org/10.1029/2009JD012498
#63	Li, Y. C., Yu, J. Z.*	Environ. Chem.
*	Composition Profile of Oxygenated Organic Compounds and Inorganic Ions in PM _{2.5} in Hong Kong	2010 , 7 (4), 338-349 https://www.publish.csiro.au/en/en09167
#62	Lin, P., Engling, G., Yu, J. Z.*	Atmos. Chem. Phys.
*	Humic-Like Substances in Fresh Emissions of Rice Straw Burning and in Ambient Aerosols in the Pearl River Delta Region, China	2010 , 10, 6487-6500 https://doi.org/10.5194/acp-10-6487-2010

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*	Size Distributions of Elemental Carbon and Its Contribution to Light Extinction in Urban and Rural Locations in the Pearl River Delta Region, China	2010 , 10, 5107-5119 https://doi.org/10.5194/acp-10-5107-2010
#60	Lin, P., Huang, X. F., He, L. Y., <u>Yu, J. Z.</u> *	J. Aerosol Sci.
*	Abundance and Size Distribution of HULIS in Ambient Aerosols at a Rural Site in South China	2010 , 41, 74-87 https://doi.org/10.1016/j.jaerosci.2009.09.001
#59	Lau, A. K. H., <u>Yuan, Z.</u> *, <u>Yu, J. Z.</u> , 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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*	Modal Characteristics of Elemental and Organic Carbon in an Urban Location in Guangzhou, China	2009 , 43 (11), 1108-1118 https://doi.org/10.1080/02786820903196878
#57	Huang, X. F., <u>Yu, J. Z.</u> *, Yuan, Z., Lau, A. K. H., Louie, P. K. K.	Atmos. Environ.
*	Source Analysis of High Particulate Matter Days in Hong Kong	2009 , 43, 1196-1203 https://doi.org/10.1016/j.atmosenv.2008.10.013
#56	Ip, H. S. S., Huang, X. H. H., <u>Yu, J. Z.</u> *	Geophys. Res. Lett.
*	Effective Henry's law Constants of Glyoxal, Glyoxylic Acid, and Glycolic Acid	2009 , 36, L01802 https://doi.org/10.1029/2008GL036212
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2008		
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*	Contributions of Isoprene, Monoterpenes, β -Caryophyllene, and Toluene to Secondary Organic Aerosols in Hong Kong during the Summer of 2006	Atmospheres 2008 , 113, D22206 https://doi.org/10.1029/2008JD010437
#53	Huang, X. F., <u>Yu, J. Z.</u> *	Atmos. Chem. Phys.
*	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	2008 , 8, 5843-5853 https://doi.org/10.5194/acp-8-5843-2008
#52	Ho, S. H. H., <u>Yu, J. Z.</u> , <u>Chow, J. C.</u> *, Zielinska, B., Watson, J. G., Sit, E. H. L., Schauer, J. J. Evaluation of an In-Injection Port Thermal Desorption-Gas Chromatography/Mass Spectrometry Method for Analysis of Non-Polar Organic Compounds in Ambient Aerosol Samples	J. Chromatogra. A 2008 , 1200 (2), 217-227 https://doi.org/10.1016/j.chroma.2008.05.056
#51	<u>Andreae, M. O.</u> *, Schmid, O., Yang, H., Chand, D., <u>Yu, J. Z.</u> , 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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*	Measurement of Organic Mass to Organic Carbon Ratio in Ambient Aerosol Samples using a Gravimetric Technique in Combination with Chemical Analysis	2007 , 41, 8857-8864 https://doi.org/10.1016/j.atmosenv.2007.08.023
#49	Huang, X. H. H., Ip, H. S. S., <u>Yu, J. Z.</u> *	Anal. Chim. Acta
*	Determination of Trace Amounts of Formaldehyde in Acetone Solvents	2007 , 604 (2), 134-138 https://doi.org/10.1016/j.aca.2007.10.011
#48	Wan, E. C. H., <u>Yu, J. Z.</u> *	Environ. Sci. Technol.
*	Analysis of Sugars and Sugar Polyols in Atmospheric Aerosols by Chloride Attachment in Liquid Chromatography/Negative Ion Electrospray Mass Spectrometry	2007 , 41 (7), 2459-2466 https://doi.org/10.1021/es062390g
#47	Huang, X.-F., <u>Yu, J. Z.</u> *	Geophys. Res. Lett.
*	Is Vehicle Exhaust a Significant Primary Source of Oxalic Acid in Ambient Aerosols?	2007 , 34, L02808 https://doi.org/10.1029/2006GL028457
#46	Chen, Y., Ho, K. F., Ho, S. H. H., Ho, W. K., <u>Lee, S. C.</u> *, <u>Yu, J. Z.</u> , Sit, E. H. L. Gaseous and Particulate Polycyclic Aromatic Hydrocarbons (PAHs) Emissions from Commercial Restaurants in Hong Kong	J. Environ. Monit. 2007 , 9, 1402-1409 https://doi.org/10.1039/B710259C
#45	<u>Chow, J. C.</u> *, <u>Yu, J. Z.</u> , J. G. Watson, Ho, S. H. H., Bohannan, T. L., Hays, M. D., Fung, K. K. The Application of Thermal Methods for Determining Chemical Composition of Carbonaceous Aerosols: A Review	J. Environ. Sci. Health, Part A 2007 , 42 (11), 1521-1541 https://doi.org/10.1080/10934520701513365
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#43	Ho, K. F., Ho, S. H. H., Cheng, Y., <u>Lee, S. C.</u> *, <u>Yu, J. Z.</u> Real-world Emission Factors of Fifteen Carbonyl Compounds Measured in a Hong Kong Tunnel	Atmos. Environ. 2007 , 41 (8), 1747-1758 https://doi.org/10.1016/j.atmosenv.2006.10.027
#42	<u>Lau, A. K. H.</u> *, Wong, T. W., <u>Yu, J. Z.</u> , Yu, T. S., Louie, P. K. K. Toxic Air Pollutant Monitoring in Hong Kong: Environmental and Health Implications	In Air Pollution: New Research. Ed. Livingstone J. V. Nova Science Publishers, New York 2007 , pp 1-78.
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#41	Huang, X. F., <u>Yu, J. Z.</u> *, He, L. Y., Yuan, Z.	J. Geophys. Res.
*	Water-Soluble Organic Carbon and Oxalate in Aerosols at a Coastal Urban Site in China: Size Distribution Characteristics, Sources, and Formation Mechanisms	Atmospheres 2006 , 111, D22212 https://doi.org/10.1029/2006JD007408
#40	Huang, X. F., <u>Yu, J. Z.</u> *, He, L. Y., Hu, M.	Environ. Sci. Technol.
*	Size Distribution Characteristics of Elemental Carbon Emitted from Chinese Vehicles: Results of a Tunnel Study and Atmospheric Implications	2006 , 40, 5355-5360 https://doi.org/10.1021/es0607281

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*	Carbonyl Emissions from Commercial Cooking Sources in Hong Kong	2006 , 56, 1091-1098 https://doi.org/10.1080/10473289.2006.10464532
#38	Wan, E. C. H., <u>Yu, J. Z.</u> *	J. Chromatogr. A
*	Determination of Sugar Compounds in Atmospheric Aerosols by Liquid Chromatography Combined with Positive Electrospray Ionization Mass Spectrometry	2006 , 1107, 175-181 https://doi.org/10.1016/j.chroma.2005.12.062
#37	Yuan, Z. B., <u>Yu, J. Z.</u> *, Lau, A. K. H., Louie, P. K. K., Fung, J. C. H.	Atmos. Chem. Phys.
*	Application of Positive Matrix Factorization in Estimating Aerosol Secondary Organic Carbon in Hong Kong and Its Relationship with Secondary Sulfate	2006 , 6, 25-34 https://doi.org/10.5194/acp-6-25-2006
#36	Yuan, Z., <u>Lau, A. K. H.</u> *, Zhang, H., <u>Yu, J. Z.</u> , Louie, P. K. K., Fung, J. C. H.	Atmos. Environ.
	Identification and Spatiotemporal Variations of Dominant PM ₁₀ Sources over Hong Kong	2006 , 40, 1803-1815 https://doi.org/10.1016/j.atmosenv.2005.11.030
#35	<u>Hagler, G. S. W.</u> *, Bergin, M. H., Salmon, L. G., <u>Yu, J. Z.</u> , Wan, E. C. H., Zheng, M., Zeng, L. M., Kiang, C. S., Zhang, Y. H., Lau, A. K. H., Schauer, J. J.	Atmos. Environ.
	Source Areas and Chemical Composition of Fine Particulate Matter in the Pearl River Delta Region of China	2006 , 40, 3802-3815 https://doi.org/10.1016/j.atmosenv.2006.02.032
#34	<u>Zheng, M.</u> *, Hagler, G. S. W., Ke, L., Bergin, M. H., Wang, F., Louie, P. K. K., Salmon, L., Sin, D. W. M., <u>Yu, J. Z.</u> , Schauer, J. J.	J. Geophys. Res. Atmospheres
	Composition and Sources of Carbonaceous Aerosols at Three Contrasting Sites in Hong Kong	2006 , 111, D20313 https://doi.org/10.1029/2006JD007074
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*	Simultaneous Determination of Mono- and Dicarboxylic Acids, ω-Oxo-carboxylic Acids, Midchain Ketocarboxylic acids, and Aldehydes in Atmospheric Aerosol Samples	2005 , 39, 7616-7624 https://doi.org/10.1021/es050896d
#32	Yang, H., <u>Yu, J. Z.</u> *, Ho, S. S. H., Xu, J., Wu, W. S., Wan, E. C. H., Wang, X., Wang, X., Wang, L.	Atmos. Environ.
*	The Chemical Composition of Inorganic and Carbonaceous Materials in PM _{2.5} in Nanjing, China	2005 , 39, 3735-3749 https://doi.org/10.1016/j.atmosenv.2005.03.010
#31	Tung, J. W. T., <u>Yu, J. Z.</u> *, Lau, A. K. H., Louie, P. K. K.	Chemosphere
*	Abundance and Sources of Ambient Dioxins in Hong Kong: A Review of Dioxin Measurements from 1997 to 2001	2005 , 59, 1387-1398 https://doi.org/10.1016/j.chemosphere.2004.12.030
#30	<u>Yu, J. Z.</u> *, Huang, X. F., Xu, J., Hu, M.	Environ. Sci. Technol.
*	When Sulfate Goes Up, So does Oxalate: Implication for the Formation Mechanisms of Oxalate	2005 , 39, 128-133 https://doi.org/10.1021/es049559f
#29	Ho, S. S. H., <u>Yu, J. Z.</u> *	J. Chromatogr. A
*	In-Injection Port Thermal Desorption with Subsequent Gas Chromatography-Mass Spectrometric Analysis of Polycyclic Aromatic Hydrocarbons and n-Alkanes in Atmospheric Aerosol Samples	2004 , 1059, 121-129 https://doi.org/10.1016/j.chroma.2004.10.013

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#27	Yang, H., Xu, J., Wu, W. S., Wan, E. C. H., Yu, J. Z.* * Chemical Characterization of Water-Soluble Organic Aerosol Collected at Jeju, Korea during Ace-Asia	Environ. Chem. 2004 , 1(1), 13-17 https://doi.org/10.1071/EN04006
#26	Li, Q. F., Yu, J. Z.* * Determination of Total Aerosol Nitrogen by Thermal Evolution	Aerosol Sci. Technol. 2004 , 38, 382-390 https://doi.org/10.1080/02786820490442626
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#24	Mader, B. T., Yu, J. Z. , Xu, J. H., Li, Q. F., Wu, W. S., Flagan, R. C., Seinfeld, J. H.* Molecular Composition of the Water-Soluble Fraction of Atmospheric Carbonaceous Aerosols Collected during ACE-Asia	J. Geophys. Res. 2004 , 109, D06206 https://doi.org/10.1029/2003JD004105
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