

# 南京信息工程大学学报(自然科学版)

第12卷(卷终) 第6期(总第70期) 2020年11月

## 目次

餐饮源挥发性有机物(VOCs)排放特征及对臭氧生成的影响	陈文泰 胡崑 薛艳 卢兴东 王鸣 (647)
2014—2019年北京和南京地区PM <sub>2.5</sub> 和臭氧质量浓度相关性研究	孙金金 黄琳 龚康佳 王雪颖 李婧祎 秦墨梅 于兴娜 胡建林 (656)
德州市冬季大气挥发性有机物污染特征及其对臭氧和二次有机气溶胶生成的贡献	刘毅 俞颖 宋锴 万子超 陆思华 于雪娜 曾立民 郭松 (665)
青岛市秋冬季霾期PM <sub>1</sub> 及其含碳组分理化特征及来源研究	刘子杨 张宜升 彭倩倩 王新雨 薛莲 王娇 刘晓环 王征 (676)
基于CMAQ-MCM模型的长三角地区夏季臭氧和大气氧化性影响的研究	张浩文 李婧祎 李琳 应琦 胡建林 (686)
泰州市大气挥发性有机物化学组分特征、活性及来源解析	樊凡 宋锴 俞颖 万子超 陆思华 唐荣志 陈仕意 曾立民 郭松 (695)
基于空气质量模拟的江苏省大气污染物排放清单比较研究	李勋 秦墨梅 李琳 李婧祎 胡建林 (705)
江苏省城区VOCs污染特征及其关键活性物种识别	秦艳红 秦玮 蒋自强 刘笑媛 杜嵩山 袁琦 (714)
金华地区夏秋大气中过氧乙酰硝酸酯的污染特征	孙鑫 唐倩 邹巧莉 金玲玲 宋清川 徐达 田旭东 (721)
武汉市2018年4—9月臭氧及其前体物非线性关系研究	陈安雄 胡柯 沈龙娇 钟章雄 段佳鹏 汪羽商 陈文泰 (729)
2017年8—9月湖州市臭氧污染特征及其生成机制研究	常艳春 魏莉 杨晓红 费勇 沈学勇 陈江 张海燕 缪丽娜 (739)
山东地区典型金属罐喷涂企业VOCs排放特征研究	曹双 高素莲 闫学军 刘光辉 王琛 (749)
山东地区三类典型制药企业的VOCs源成分谱及排放特征研究	苑雯雯 王霞 高素莲 孙晓艳 范国兰 王琛 (758)
基于DEM-CFD耦合的气吸式排种器仿真研究	张凯 洪杨 徐祝欣 (767)

# Journal of Nanjing University of Information Science and Technology

( Natural Science Edition )

Vol.12 ( End of This Volume ) No.6 ( Sum No.70 ) Nov. 2020

---

## CONTENTS

- Characterization of volatile organic compounds ( VOCs ) from cooking emission and their impact on ozone formation ..... *CHEN Wentai HU Kun XUE Yan LU Xingdong WANG Ming* ( 655 )
- Correlation between surface PM<sub>2.5</sub> and ozone during 2014–2019 in Beijing and Nanjing ..... *SUN Jinjin HUANG Lin GONG Kangjia WANG Xueying LI Jingyi QIN Momei YU Xingna HU Jianlin* ( 663 )
- Winter VOCs and their contribution to ozone formation potential and secondary organic aerosol yields in Dezhou ..... *LIU Yi YU Ying SONG Kai WAN Zichao LU Sihua YU Xuena ZENG Limin GUO Song* ( 675 )
- Characteristics and sources of PM<sub>1</sub> and its carbon components in autumn and winter of Qingdao ..... *LIU Ziyang ZHANG Yisheng PENG Qianqian WANG Xinyu XUE Lian WANG Jiao LIU Xiaohuan WANG Zheng* ( 685 )
- Summertime ozone and atmospheric oxidation capacity over the Yangtze River Delta using the CMAQ-MCM model ..... *ZHANG Haowen LI Jingyi LI Lin YING Qi HU Jianlin* ( 694 )
- Chemical composition and source apportionment of ambient VOCs in Taizhou ..... *FAN Fan SONG Kai YU Ying WAN Zichao LU Sihua TANG Rongzhi CHEN Shiyi ZENG Limin GUO Song* ( 704 )
- Comparison of air pollutants emission inventories for Jiangsu province based on air quality simulation ..... *LI Xun QIN Momei LI Lin LI Jingyi HU Jianlin* ( 713 )
- Characteristics and reactive species of volatile organic compounds in Jiangsu province ..... *QIN Yanhong QIN Wei JIANG Ziqiang LIU Xiaoyuan DU Songshan YUAN Qi* ( 720 )
- Characteristics of atmospheric PAN pollution in Jinhua during summer and autumn ..... *SUN Xin TANG Qian ZOU Qiaoli JIN Lingling SONG Qingchuan XU Da TIAN Xudong* ( 728 )
- Nonlinear relationship between ozone and its precursors in Wuhan during 2018 ..... *CHEN Anxiong HU Ke SHEN Longjiao ZHONG Zhangxiong DUAN Jiapeng WANG Yushang CHEN Wentai* ( 738 )
- Ozone pollution and its formation mechanism in Huzhou during 2017 ..... *CHANG Yanchun WEI Li YANG Xiaohong FEI Yong SHEN Xueyong CHEN Jiang ZHANG Haiyan MIAO Lina* ( 748 )
- Source profile of VOCs from metal food package coating in Shandong province ..... *CAO Shuang GAO Sulian YAN Xuejun LIU Guanghui WANG Chen* ( 757 )
- Source profiles of VOCs from three typical pharmaceutical enterprises in Shandong province ..... *YUAN Wenwen WANG Xia GAO Sulian SUN Xiaoyan FAN Guolan WANG Chen* ( 766 )
- Simulation of an air suction seed drainer based on DEM-CFD coupling ..... *ZHANG Kai HONG Yang XU Zhuxin* ( 772 )