

滕彦国,倪师军,林学钰,王金生.城市环境地球化学研究综述[J].地质论评,2005,51(1):64-76

城市环境地球化学研究综述 [点此下载全文](#)

[滕彦国](#) [倪师军](#) [林学钰](#) [王金生](#)

[1]北京师范大学环境学院地下水环境安全研究所,水环境模拟国家重点实验室,北京100875 [2]成都理工大学地球化学系,610059

基金项目:国土资源部专项项目(编号30302408-01)的成果

DOI:

摘要:

近年来地球科学越来越多地面向城市,城市环境受到人类活动的广泛影响,自然及人类活动引起的城市地球化学问题日益受到人们的重视。城市环境地球化学是应用地球化学的原理和方法研究城市生态环境问题,主要研究城市土壤、沉积物、尘埃、地表水、地下水、生物、空气等介质中化学元素及同位素的分布、演化、环境作用及健康效应,重点解决城市地球化学环境质量变化的原理及由此产生的生态环境效应及人体健康效应。城市环境地球化学的主要研究对象是传统工业城市、典型矿业城市及国际化的大都市。在城市地球化学概念出现之后短短的10余年时间内,很多国家开展了城市环境地球化学调查和研究工作,取得了重要的成果和进展,并发展成为环境地球化学与城市环境的重要方向,但仍存在着一定的问题,需要深入研究。目前,城市环境系统的地球化学填图、城市地球化学与环境污染研究、城市地球化学与生态风险研究、城市地球化学与人体健康研究、城市地球化学系统的调控与环境规划等领域是国际城市环境地球化学的热点和前沿。

关键词: [环境地球化学](#) [研究综述](#) [生态环境问题](#) [应用地球化学](#) [人体健康效应](#) [生态环境效应](#) [环境质量变化](#) [地球化学调查](#) [地球化学填图](#) [城市环境系统](#) [人类活动](#) [地球科学](#) [化学问题](#) [城市土壤](#) [化学元素](#) [环境作用](#) [工业城市](#) [矿业城市](#) [化学概念](#)

Review on Urban Environmental Geochemistry [Download Fulltext](#)

TENG Yanguo 1), NI Shijun 2), LIN Xueyu 1), WANG Jinsheng 1) 1) Institute of Ground Water Environment and Safety, School of Environment, State Key Lab of Water Environment Simulation and Pollution Control, Beijing Normal University, Beijing, 100875, 2) Department of Geochemistry, Chengdu University of Technology, Chengdu, 610059

Fund Project:

Abstract:

Earth-science much more faced urban area recently. Anthropogenic activities impacted on urban environment, urban geochemical problems resulted from natural and anthropogenic processes were paid attention. Urban environmental geochemistry was a subject that applied the principles and methods of geochemistry to resolve urban ecological environmental problems. Urban environmental geochemistry mainly study distribution, evolution, reaction, process, ecological effects and human health of chemical elements and isotopes in urban soil, air, sediment, dust, surface water, groundwater, animal and plant. Urban environmental geochemistry focused on traditional industrial city, mining city and international metropolitan city and other cities. Since the concept of urban geochemistry was established in 1990, urban environmental geochemical survey and research was carried out in many countries, such as Great Britain, Germany, and Estonia. At present, urban environmental geochemistry has been becoming an important field of environmental geochemistry and urban environmental science. However, there are some problems to study deeply in urban geochemistry. The study concerning and frontiers of urban geochemistry are: (a) Geochemical mapping of urban environmental system, (b) Urban geochemistry and environmental pollution, (c) urban geochemistry and ecological risk, (d) urban geochemistry and human health, (e) Controlling of urban geochemical system and environmental planning.

Keywords: [Urban environmental geochemistry](#) [environmental pollution](#) [chemical elements](#) [environmental behavior](#) [review](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

您是第694062位访问者 版权所有《地质论评》

地址:北京阜成门外百万庄路26号 邮编:100037 电话:010-68999804 传真:010-68995305

本系统由北京勤云科技发展有限公司设计