

ISSN 1000-0933
CN 11-2031/Q

生态学报

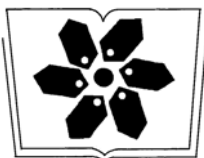
Acta Ecologica Sinica



第 34 卷 第 19 期 Vol.34 No.19 **2014**

中国生态学学会
中国科学院生态环境研究中心
科学出版社

主办
出版



中国科学院科学出版基金资助出版

生态学报

(SHENGTAI XUEBAO)

第 34 卷 第 19 期 2014 年 10 月 (半月刊)

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期刊基本参数:CN 11-2031/Q * 1981 * m * 16 * 338 * zh * P * ¥ 90.00 * 1510 * 37 * 2014-10



封面图说: 水稻土培盆栽试验——高氯酸盐是一种有毒的无机化学物质,其特点是扩散速度快、稳定性高、难降解。它可以天然形式存在,也可以人工进行合成。天然存在的高氯酸盐常常作为化肥的原料。通过水稻的土培盆栽试验(见本期论文 stxb201301090066),研究在三种浓度下高氯酸盐胁迫对两个水稻品种的生长发育和吸收主要养分元素氮、磷、钾的影响。结果表明在水稻种植中,高氯酸盐污染可抑制水稻的生长和分蘖,延迟发育,降低水稻对养分元素的积累,其植物毒性效应与污染物的浓度、处理的延续时间、水稻品种及不同植物器官都有关系。

彩图及图说提供: 陈建伟教授 北京林业大学 E-mail: cites.chenjw@163.com

ACTA ECOLOGICA SINICA Vol.34, No.19 October, 2014 (Semimonthly)

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《生态学报》2014 年征订启事

《生态学报》是由中国科学技术协会主管,中国生态学学会、中国科学院生态环境研究中心主办的生态学高级专业学术期刊,创刊于 1981 年,报道生态学领域前沿理论和原始创新性研究成果。坚持“百花齐放,百家争鸣”的方针,依靠和团结广大生态学科工作者,探索生态学奥秘,为生态学基础理论研究搭建交流平台,促进生态学研究深入发展,为我国培养和造就生态学科人才和知识创新服务、为国民经济建设和发展服务。

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《生态学报》为半月刊,大 16 开本,280 页,国内定价 90 元/册,全年定价 2160 元。

国内邮发代号:82-7,国外邮发代号:M670

标准刊号:ISSN 1000-0933 CN 11-2031/Q

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E-mail: shengtaixuebao@rcees.ac.cn 网 址: www.ecologica.cn

执行副主编 孔红梅 责任编辑 刘天星 段 靖

生 态 学 报
(SHENGTAI XUEBAO)
(半月刊 1981 年 3 月创刊)
第 34 卷 第 19 期 (2014 年 10 月)

ACTA ECOLOGICA SINICA
(Semimonthly, Started in 1981)
Vol. 34 No. 19 (October, 2014)

编 辑	《生态学报》编辑部 地址:北京海淀区双清路 18 号 邮政编码:100085 电话:(010)62941099 www.ecologica.cn shengtaixuebao@rcees.ac.cn	Edited by	Editorial board of ACTA ECOLOGICA SINICA Add: 18, Shuangqing Street, Haidian, Beijing 100085, China Tel: (010)62941099 www.ecologica.cn shengtaixuebao@rcees.ac.cn
主 编	王如松	Editor-in-chief	WANG Rusong
主 管	中国科学技术协会	Supervised by	China Association for Science and Technology
主 办	中国生态学学会 中国科学院生态环境研究中心 地址:北京海淀区双清路 18 号 邮政编码:100085	Sponsored by	Ecological Society of China Research Center for Eco-environmental Sciences, CAS Add: 18, Shuangqing Street, Haidian, Beijing 100085, China
出 版	科 学 出 版 社 地址:北京东黄城根北街 16 号 邮政编码:100717	Published by	Science Press Add: 16 Donghuangchenggen North Street, Beijing 100717, China
印 刷	北京北林印刷厂	Printed by	Beijing Bei Lin Printing House, Beijing 100083, China
发 行	科 学 出 版 社 地址:东黄城根北街 16 号 邮政编码:100717 电话:(010)64034563 E-mail: journal@ cspg. net	Distributed by	Science Press Add: 16 Donghuangchenggen North Street, Beijing 100717, China Tel: (010)64034563 E-mail: journal@ cspg. net
订 购	全国各地邮局	Domestic	All Local Post Offices in China
国外发行	中国国际图书贸易总公司 地址:北京 399 信箱 邮政编码:100044	Foreign	China International Book Trading Corporation Add: P.O.Box 399 Beijing 100044, China
广告经营 许 可 证	京海工商广字第 8013 号		



ISSN 1000-0933
CN 11-2031/Q

国内外公开发行

国内邮发代号 82-7

国外发行代号 M670

定价 90.00 元