

Essential Science Indicators for Hot papers for Hunan Univ on 170309

Hot Papers by Institutions

Results List
Institutions
Filter Results By
Changing the filter field removes all current filters.
Add Filter »
HUNAN UNIV
Include Results For
Hot Papers
Clear Save Criteria

Map View by Top / Hot / Highly Cited Papers Show Visualization +
Report View by Selection Customize
Total: 1

	Institutions	Web of Science Documents	Cites	Cites/Paper	Hot Papers
1	HUNAN UNIV	13,541	144,553	10.68	8

InCites Essential Science Indicators dataset updated Feb 14, 2017.
For more information Click Here

Papers by Research Field

Citation Trends
Documents
Filter Results By
Add Filter »
HUNAN UNIV
Include Results For
Hot Papers
Clear Save Criteria

Sort By Citations Customize Documents 1 - 6 of 6

- AN ULTRAFAST RECHARGEABLE ALUMINIUM-ION BATTERY**
By: LIN, MC; GONG, M; LU, BG; et.al
Source: NATURE 520 (7547): 325-+ APR 16 2015
Research Fields: CHEMISTRY
Times Cited: 78
ESI Hot
- APPLICATION OF BIOCHAR FOR THE REMOVAL OF POLLUTANTS FROM AQUEOUS SOLUTIONS**
By: TAN, XF; LIU, YG; ZENG, GM; et.al
Source: CHEMOSPHERE 125: 70-85 APR 2015
Research Fields: ENVIRONMENT/ECOLOGY
Times Cited: 64
ESI Hot
- THE DECOMPOSITION OF ENERGY-RELATED CARBON EMISSION AND ITS DECOUPLING WITH ECONOMIC GROWTH IN CHINA**
By: ZHANG, YJ; DA, YB;
Source: RENEW SUSTAIN ENERGY REV 41: 1255-1266 JAN 2015
Research Fields: ENGINEERING
Times Cited: 48
ESI Hot

- ETCHED AND DOPED CO9S8/GRAPHENE HYBRID FOR OXYGEN ELECTROCATALYSIS**
By: DOU, S; TAO, L; HUO, J; et.al
Source: ENERGY ENVIRON SCI 9 (4): 1320-1326 2016
Research Fields: CHEMISTRY
Times Cited: 36
ESI Hot
- AN ENHANCED ELECTROCHEMICAL PLATFORM BASED ON GRAPHENE OXIDE AND MULTI-WALLED CARBON NANOTUBES NANOCOMPOSITE FOR SENSITIVE DETERMINATION OF SUNSET YELLOW AND TARTRAZINE**
By: QIU, XL; LU, LM; LENG, J; et.al
Source: FOOD CHEM 190: 889-895 JAN 1 2016
Research Fields: AGRICULTURAL SCIENCES
Times Cited: 12
ESI Hot
- INTERPRETING THE MOVEMENT OF OIL PRICES: DRIVEN BY FUNDAMENTALS OR BUBBLES?**
By: ZHANG, YJ; YAO, T;
Source: ECON MODEL 55: 226-240 JUN 2016
Research Fields: ECONOMICS & BUSINESS
Times Cited: 4
ESI Hot

Sort By Citations 1 - 6 of 6 Show 10 per page

Application of biochar for the removal of pollutants from aqueous solutions

作者: Tan, XF (Tan, Xiaofei)^[1,2]; Liu, YG (Liu, Yunguo)^[1,2]; Zeng, GM (Zeng, Guangming)^[1,2]; Wang, X (Wang, Xin)^[3]; Hu, XJ (Hu, Xinjiang)^[1,2]; Gu, YL (Gu, Yanling)^[1,2]; Yang, ZZ (Yang, Zhongzhu)^[1,2]
查看 ResearcherID 和 ORCID

CHEMOSPHERE

卷: 125 页: 70-85

DOI: 10.1016/j.chemosphere.2014.12.058

出版年: APR 2015

查看期刊信息

摘要

In recent years, many studies have been devoted to investigate the application of biochar for pollutants removal from aqueous solutions. Biochar exhibits a great potential to efficiently tackle water contaminants considering the wide availability of feedstock, low-cost and favorable physical/chemical surface characteristics. This review provides an overview of biochar production technologies, biochar properties, and recent advances in the removal of heavy metals, organic pollutants and other inorganic pollutants using biochar. Experimental studies related to the adsorption behaviors of biochar toward various contaminants, key affecting factors and the underlying mechanisms proposed to explain the adsorption behaviors, have been comprehensively reviewed. Furthermore, research gaps and uncertainties that exist in the use of biochar as an adsorbent are identified. Further research needs for biochar and potential areas for future application of biochars are also proposed. (C) 2014 Elsevier Ltd. All rights reserved.

关键词

作者关键词: Biochar; Carbon sequestration; Adsorption; Aqueous solutions; Water pollution; Research

引文网络

81 被引频次

131 引用的参考文献

查看 Related Records

查看引证关系图

创建引文跟踪

(数据来自 Web of Science™ 核心合集)

全部被引频次计数

89 / 所有数据库

81 / Web of Science 核心合集

48 / BIOSIS Citation Index

7 / 中国科学引文数据库

0 / Data Citation Index

0 / Russian Science Citation Index

0 / SciELO Citation Index

热点论文

高被引论文

needs

KeyWords Plus: POLYCYCLIC AROMATIC-HYDROCARBONS; DIFFERENT PYROLYTIC TEMPERATURES; BIOMASS-DERIVED BIOCHARS; SUGAR-BEET TAILINGS; HYDROTHERMAL CARBONIZATION; STRUCTURAL-PROPERTIES; CARBON SEQUESTRATION; SORPTION MECHANISMS; RESEARCH NEEDS; HEAVY-METALS

作者信息

通讯作者地址: Liu, YG (通讯作者)

⊕ Hunan Univ, Coll Environm Sci & Engr, Changsha 410082, Hunan, Peoples R China.

地址:

⊕ [1] Hunan Univ, Coll Environm Sci & Engr, Changsha 410082, Hunan, Peoples R China

⊕ [2] Hunan Univ, Key Lab Environm Biol & Pollut Control, Minist Educ, Changsha 410082, Hunan, Peoples R China

⊕ [3] Hunan Normal Univ, Coll Resources & Environm Sci, Changsha 410082, Hunan, Peoples R China

电子邮件地址: hnliuyunguo@gmail.com

基金资助致谢

基金资助机构	授权号
National Natural Science Foundation of China	41271332 41301339
Science and Technology Planning Project of Hunan Province, China	2012SK2021
Hunan Provincial Innovation Foundation for Postgraduate	CX2012B138

查看基金资助信息

使用次数

最近 180 天: 78

2013 年至今: 378

进一步了解

最近的引文

Vithanage, Meththika. Interaction of arsenic with biochar in soil and water: A critical review . CARBON, MAR 2017.

查看全部

此记录来自:

Web of Science™ 核心合集

建议修正

如果希望提高此记录中数据的质量, 请提供修正建议。