

# Accepted Manuscript

Comparison of performance between boron-doped diamond and copper electrodes for selective nitrogen gas formation by the electrochemical reduction of nitrate



Peijing Kuang, Keisuke Natsui, Yasuaki Einaga

PII: S0045-6535(18)31297-9

DOI: 10.1016/j.chemosphere.2018.07.039

Reference: CHEM 21754

To appear in: *Chemosphere*

Received Date: 16 May 2018

Accepted Date: 08 July 2018

Please cite this article as: Peijing Kuang, Keisuke Natsui, Yasuaki Einaga, Comparison of performance between boron-doped diamond and copper electrodes for selective nitrogen gas formation by the electrochemical reduction of nitrate, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.07.039

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Comparison of performance between boron-doped diamond and copper**  
2 **electrodes for selective nitrogen gas formation by the electrochemical**  
3 **reduction of nitrate**

4  
5 Peijing Kuang<sup>a,b</sup>, Keisuke Natsui<sup>b</sup>, Yasuaki Einaga<sup>\*,b,c</sup>

6  
7 <sup>a</sup>School of Water Resources and Environment, China University of Geosciences (Beijing), 29  
8 Xue Yuan Road, Haidian District, Beijing 100083, China

9 <sup>b</sup>Department of Chemistry, Keio University, 3-14-1 Hiyoshi, Yokohama 223-8522, Japan

10 <sup>c</sup>JST-ACCEL, 3-14-1 Hiyoshi, Yokohama 223-8522, Japan

11

12 

---

\*Corresponding author. Tel: +81-45-566-1704, Fax: +81-45-566-1697, E-mail:  
13 einaga@chem.keio.ac.jp

14

15

Download English Version:

<https://daneshyari.com/en/article/8850510>

Download Persian Version:

<https://daneshyari.com/article/8850510>

[Daneshyari.com](https://daneshyari.com)