
The Energy-Water Nexus

Editors:

E. D. Wachsman

University of Maryland
College Park, Maryland, USA

M. T. Carter

KWJ Engineering Inc.
Newark, California, USA

B. Y. Liaw

University of Hawaii at Manoa
Honolulu, Hawaii, USA

W. E. Mustain

University of Connecticut
Storrs, Connecticut, USA

B. R. Stoner

Research Triangle Institute
Durham, North Carolina, USA

J. Burgess

Case Western Reserve University
Cleveland, Ohio, USA

C. E. Hensman

Bill & Melinda Gates Foundation
Seattle, Washington, USA

S. Minter

The University of Utah
Salt Lake City, Utah, USA

P. M. Natishan

U. S. Naval Research Laboratory
Washington, DC, USA

Sponsoring Divisions:



All Divisions



New Technology Subcommittee



Published by

The Electrochemical Society

65 South Main Street, Building D
Pennington, NJ 08534-2839, USA

tel 609 737 1902

fax 609 737 2743

www.electrochem.org

ecstransactions™

Vol. 58, No. 35

Copyright 2014 by The Electrochemical Society.
All rights reserved.

This book has been registered with Copyright Clearance Center.
For further information, please contact the Copyright Clearance Center,
Salem, Massachusetts.

Published by:

The Electrochemical Society
65 South Main Street
Pennington, New Jersey 08534-2839, USA

Telephone 609.737.1902
Fax 609.737.2743
e-mail: ecs@electrochem.org
Web: www.electrochem.org

ISSN 1938-6737 (online)
ISSN 1938-5862 (print)
ISSN 2151-2051 (cd-rom)

ISBN 978-1-62332-167-3 (Softcover)
ISBN 978-1-60768-523-4 (PDF)

Printed in the United States of America.

ECS Transactions, Volume 58, Issue 35
The Energy-Water Nexus

Table of Contents

<i>Preface</i>	<i>iii</i>
Electrochemical Sulfide Removal on Carbon Electrode in Sulfate Reducing Bacteria Microbiological Fuel Cell <i>B. Zheng, H. Liu</i>	1
Integrated Ozone Microreactor Technology for Water Treatment <i>A. Shirke, S. Li, D. Ebeling, M. T. Carter, J. R. Stetter</i>	11
Understanding Chlorite, Chlorate and Perchlorate Formation When Generating Hypochlorite Using Boron Doped Diamond Film Electrodes <i>D. K. Hubler, J. C. Baygents, B. P. Chaplin, J. Farrell</i>	21
Author Index	33