Pioneering Women in Electrochemistry

Editors:

J. Leddy

The University of Iowa Iowa City, Iowa, USA

S. D. Minteer

The University of Utah Salt Lake City, Utah, USA

Sponsoring Divisions:





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 **ACSIL Transactions** ™

Vol. 41, No. 10

Copyright 2012 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 978-1-56677-942-5 (PDF) ISBN 978-1-60768-300-1 (Softcover)

Printed in the United States of America.

ECS Transactions, Volume 41, Issue 10 Pioneering Women in Electrochemistry

Table of Contents

Preface	111
In Situ-Generation of Electrically Conductive Nanoparticles in Bimetallic Phosphate Materials for High Power Lithium Batteries A. C. Marschilok, Y. J. Kim, K. J. Takeuchi, and E. Takeuchi	1
Oxygen Reduction Activity of Carbon-Conductive Polymer-Silver Composite Electrodes A. C. Marschilok, S. Lee, C. C. Milleville, S. Yau, E. Takeuchi, and K. J. Takeuchi	9
Recent Advances in Cell Cost and Efficiency for PEM-Based Water Electrolysis K. E. Ayers, C. Capuano, and E. Anderson	15
Author Index	23