
ECS Electrochemical Energy Summit

— 222nd ECS Meeting/PRiME 2012: Grand Challenges for Energy Conversion and Large Scale Energy Storage

Editors:

T. M. Gür

Stanford University
Stanford, California, USA

B. Y. Liaw

University of Hawaii at Mānoa
Honolulu, Hawaii, USA

T. V. Nguyen

The University of Kansas
Lawrence, Kansas, USA

R. F. Savinell

Case Western Reserve University
Cleveland, Ohio, USA

X-D. Zhou

University of South Carolina
Columbia, South Carolina, USA

Sponsoring Divisions:



High Temperature Materials



Battery



Energy Technology



Industrial Electrochemistry and Electrochemical Engineering



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. 50, No. 18

Copyright 2013 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 978-1-62332-047-8 (Soft Cover)
ISBN 978-1-60768-399-5 (PDF)

Printed in the United States of America.

ECS Transactions, Volume 50, Issue 18

ECS Electrochemical Energy Summit – 222nd ECS Meeting/PRiME 2012: Grand
Challenges for Energy Conversion and Large Scale Energy Storage

Table of Contents

<i>Preface</i>	<i>iii</i>
(Keynote) Issues and Challenges for Implementation of Large-Scale Energy Storage in Australia <i>M. Skyllas-Kazacos</i>	1
Author Index	7