Next Generation Portable Power

Editor:

B. Y. Liaw University of Hawaii Mānoa, Hawaii, USA

Sponsoring Divisions:



Energy Technology



Battery



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 **ecs**transactions ™

Vol. 45, 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 978-1-62332-034-8 (PDF) ISBN 978-1-60768-386-5 (Softcover)

Printed in the United States of America.

ECS Transactions, Volume 45, Issue 18

Next Generation Portable Power

Table of Contents

Preface	iii
Thin Film Co-MnO ₂ by Combined Electroless-Electrolytic Techniques for Ultracapacitor and Li-Air Battery Applications J. R. Gomez, E. E. Kalu, R. Nelson, M. H. Weatherspoon, J. P. Zheng	1
Author Index	15