
Battery Safety and Abuse Tolerance

Editors:

D. H. Doughty

Battery Safety Consulting Inc.
Albuquerque, New Mexico, USA

J. A. Jeevarajan

NASA, Johnson Space Center
Houston, Texas, USA

C. Orendorff

Sandia National Laboratories
Albuquerque, New Mexico, USA

Sponsoring Division:



Battery



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. 41, No. 39

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 978-1-56677-981-4 (PDF)
ISBN 978-1-60768-340-7 (Softcover)

Printed in the United States of America.

ECS Transactions, Volume 41, Issue 39
Battery Safety and Abuse Tolerance

Table of Contents

<i>Preface</i>	<i>iii</i>
Failure Investigation of LiFePO ₄ Cells under Overcharge Conditions <i>F. Xu, H. He, C. Dun, Y. Liu, M. Wang, Q. Liu, Y. Ren, and J. Xie</i>	1
Phosphazene Based Additives for Improvement of Safety and Battery Lifetimes in Lithium-Ion Batteries <i>M. K. Harrup, K. L. Gering, H. W. Rollins, S. V. Sazhin, M. T. Benson, D. K. Jamison, C. J. Michelbacher, and T. A. Luther</i>	13
The Safety Evaluation Test of Lithium-Ion Batteries in Vehicles - Investigation of Overcharge Test Method <i>M. Takahashi, K. Komatsu, and K. Maeda</i>	27
Author Index	43