Characterization and Modeling

Including Papers from MRS Meetings

MRS Advances Volume 6, Issue 22

Held Various Dates and Locations

ISBN: 978-1-7138-3786-2

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by Springer Nature All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact Springer Nature at the address below.

Springer Nature The Campus 4 Crinan St. London N1 9XW United Kingdom

www.springernature.com

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400

Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

TABLE OF CONTENTS

Accounting for Sample Morphology in Correlative X-Ray Microscopy Via Ray Tracing	547
Improvement of Appearance Probability of Conductance Quantization by Hydrogen Thermal Treatment in Pt/NiO/Pt-Resistive Switching Cells	554
A Method of Determining Molecular Excited-States Using Quantum Computation	558
Electrolyte Conditions in Lithium-Ion Batteries in Presence of a Thermal Gradient	564
Perezone as Corrosion Inhibition of Brass in the Presence of Sulfides for Preservation of Metal Artifacts	570

Author Index