

MATERIALS RESEARCH SOCIETY
SYMPOSIUM PROCEEDINGS VOLUME 1005

Advances in Photo-Initiated Polymer Processes and Materials

April 9-13, 2007
San Francisco, California, USA

Printed from e-media with permission by:

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

ISBN: 978-1-60560-439-8

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

Copyright (2007) by the Materials Research Society.
All rights reserved.

For permission requests, please contact the Materials Research Society at the address below.

Materials Research Society
Proceedings
506 Keystone Dr.
Warrendale, PA 15086
Phone: 724-779-3004 x 531
Fax: 724-779-4396
eproceedings@mrs.org

TABLE OF CONTENTS

High Performance Photo-Curable Polymers and Oligomers Based on Novel Ring-Opening Reactions of Oxetanes.....	1
<i>T. Nishikubo, H. Kudo</i>	
Nanostructured Coatings Obtained Via Cationic UV-Curing.....	12
<i>M. Sangermano, R. Bongiovanni, G. Malucelli, A. Priola, E. Amerio, D. Pospiech, B. Voit</i>	
Study of Oxetane Toughened Cationic UV Curable Marine Fouling Release Coating.....	24
<i>Z. Chen, R. Wagner, S. Patel, J. Kim, S. Stafslie, J. Daniels, L. Vander Wal, C. Siripirom, B. Chisholm</i>	
Bicolor (Red-Yellow) Fluorescence Patterning in Polymer Film Based on Phthalimido Carbamate as a New Group of Photobase Generator	31
<i>K. H. Chae, Y. H. Kim</i>	
Some Advances in Liquid Crystal Elastomers: From Crosslinks Affected Ordering to Carbon Nanoparticles Enabled Actuation	37
<i>S. Zumer, M. Chambers, G. Cordoyiannis, H. Finkelmann, Z. Kutnjak, A. Lebar, M. Remskar, B. Zalar</i>	
Discovery and Development of OMNiMIPs: One MoNomer Molecularly Imprinted Polymers	48
<i>D. A. Spivak, M. Sibrian-Vazquez, S. Houck</i>	
Author Index	