MRS SYMPOSIUM HH Volume 1794 • 2015 MRS Spring Meeting

Supramolecular Materials – Assembly and Dynamics

EDITOR

Dongsheng Li

CAMBRIDGE

A publication of the MRS MATERIALS RESEARCH SOCIETY® Advancing materials. Improving the quality of life

MRS Online Proceedings Library

Editorial Board

Editorial Board Chair:

Michelle L. Oyen, Cambridge University, United Kingdom

Editorial Board Members:

David Bahr, *Purdue University, USA* Asa Barber, *University of Portsmouth, United Kingdom* Frank del Rio, *National Institute of Standards and Technology, USA* Marilyn L. Minus, *Northeastern University, USA* Roger Narayan, *North Carolina State University, USA*

The *MRS Online Proceedings* Library (**ISSN: 1946-4274**) features over 100,000 peer-reviewed papers presented at MRS Meetings. The proceedings papers can be viewed by meeting or topic, and are fully searchable.

Manuscripts: Information on article submission may be found at the *MRS Online Proceedings Library* homepage at http://journals.cambridge.org/opl.

Subscriptions: Institutions and libraries which are not current customers may purchase a 12-month unlimited access package to all MRS proceedings volumes/papers that are available online. To find out how to purchase OPL please contact: online@cambridge.org, in the Americas, or library.sales@cambridge.org, in the rest of the world.

Copyright © 2015, Materials Research Society. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, or otherwise, without permission in writing from Cambridge University Press. Policies, request forms and contacts are available at: http://www.cambridge.org/rights/permissions/ permission.htm. Permission to copy (for users in the USA) is available from Copyright Clearance Center http://www.copyright.com, email: info@copyright.com.

MATERIALS RESEARCH SOCIETY SYMPOSIUM HH VOLUME 1794

Supramolecular Materials— Assembly and Dynamics

Symposium held April 6-10, 2015, San Francisco, California, U.S.A.

EDITOR

Dongsheng Li

Pacific Northwest National Laboratory Richland, Washington, U.S.A.



Materials Research Society Warrendale, Pennsylvania



ISSN: 1946-4274

CONTENTS

MOF-177/Graphene Composite as a Selective Sensor for Nitro Aromatic	
Compounds	
A Molecular Picture for the Thermo-reversibility of Gels Formed by Isophthalic Acid-ended Telechelic Polymers 9 Boyu Li, Joey Kim, and Julie Kornfield	