

MRS

Advances

Soft Materials and Biomaterials

<https://doi.org/10.1557/adv.2018.564> Published online by Cambridge University Press

MRS

MATERIALS
RESEARCH
SOCIETY®

CAMBRIDGE
UNIVERSITY PRESS

MRS Advances: Soft Materials and Biomaterials

Associate Editors:

Meenakshi Dutt, *Rutgers University, USA*

Roger J. Narayan, *University of North Carolina/North Carolina State University, USA*

Principal Editors:

Evan Scott, *Northwestern University, USA*

Liu Bin, *National University of Singapore, Singapore*

Shuai Zhang, *Pacific Northwest National Laboratory, USA*

Ketul Popat, *Colorado State University, USA*

Marie-Helene Delville, *Institut de Chimie de la Matière Condensée de Bordeaux, France*

Yuhang Hu, *University of Illinois at Urbana-Champaign, USA*

MRS Advances Editorial Board:

Editor-in-Chief: David F. Bahr, *Purdue University, USA*

Asa Barber, *University of Portsmouth, United Kingdom*

Meenakshi Dutt, *Rutgers University, USA*

Elizabeth L. Fleischer, *Materials Research Society, USA*

Marian Kennedy, *Clemson University, USA*

Marilyn L. Minus, *Northeastern University, USA*

Roger J. Narayan, *University of North Carolina/North Carolina State University, USA*

Ruth Schwaiger, *Karlsruhe Institute of Technology, Germany*

Jeremy Theil, *Mountain View Energy, USA*

Materials Research Society Editorial Office, Warrendale, PA:

Ellen W. Kracht, *Publications Manager*

Susan Dittrich, *Journals Editorial Assistant*

Kirby L. Morris, *Journals Production Assistant*

Eileen M. Kiley, *Director of Communications*

Disclaimer

Authors of each article appearing in this Journal are solely responsible for all contents in their article(s) including accuracy of the facts, statements, and citing resources. Facts and opinions are solely the personal statements of the respective authors and do not necessarily represent the views of the editors, the Materials Research Society, or Cambridge University Press.

MRS Advances (EISSN: 2059-8521) is published by Cambridge University Press, One Liberty Plaza, Floor 20, New York, NY 10006 for the Materials Research Society.

Copyright © 2018, 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 at: <http://www.copyright.com>, email: info@copyright.com.

Purchasing Options:

Premium Subscription- Premium Subscription includes current subscription and one year's lease access to the full MRS Online Proceedings Library Archive for \$7,219.00 / £4,888.00 / €6,647.00. *Subscription-* Subscription with perpetual access to the content subscribed to in a given year, including three years of back-file lease access to content from the MRS Online Proceedings Library Archive. The price for a 2018 subscription is \$3,019.00 / £1,948.00 / €2,625.00. *MRS Members-* Access to *MRS Advances* is available to all MRS members without charge.

Contact Details:

For all inquiries about pricing and access to *MRS Advances*, please get in touch via the following email addresses: online@cambridge.org (for the Americas); library.sales@cambridge.org (for UK, Europe, and rest of world).

cambridge.org/adv

CONTENTS

Delivery of Immunomodulatory Microparticles in a Murine Model of Rotator Cuff Tear	2981
Jack R. Krieger, Mary Caitlin P. Sok, Thomas C. Turner, and Edward A. Botchwey	
Mesoporous Nanofibers Mediated Targeted Anti-cancer Drug Delivery	2991
Dalong Li, Yilin Chen, Zhongyang Zhang, and Menglin Chen	
Design and Characterization of Edible Soft Robotic Candy Actuators	3003
Aditya N. Sardesai, Xavier M. Segel, Matthew N. Baumholtz, Yiheng Chen, Ruhao Sun, Bram W. Schork, Richard Buonocore, Kyle O. Wagner, and Holly M. Golecki	
3D Printed Bioelectronic Platform with Embedded Electronics.	3011
Shweta Agarwala, Jia Min Lee, Wai Yee Yeong, Michael Layani, and Shlomo Magdassi	
Electrospun Fibers for Controlled Release of Nanoparticle-assisted Phage Therapy Treatment of Topical Wounds	3019
Jessica M. Andriolo, Nathan J. Sutton, John P. Murphy, Lane G. Huston, Emily A. Kooistra-Manning, Robert F. West, Marisa L. Pedulla, M. Katie Hailer, and Jack L. Skinner	
Functionalization and Characterization of an MRI-capable, Targeted Nanoparticle Platform for Delivery to the Brain.	3027
S.M. Curley, J. Castracane, M. Bergkvist, and N.C. Cady	
Polyethyleneimine and Poly(ethylene glycol) Functionalized Oligoester Based Polycationic Particles	3033
Magdalena Mazurek-Budzynska, Maria Balk, Marc Behl, and Andreas Lendlein	