Fundamentals and Applications of Microfluidic and Nanofluidic Devices 2

Editors:

H. Baumgart Old Dominion University Norfolk, Virginia, USA

S. Qian

Old Dominion University Norfolk, Virginia, USA **X. Xuan** Clemson University Clemson, South Carolina, USA

M. Schrlau Rochester Institute of Technology Henrietta, New York, USA

Sponsoring Divisions:

Electronics and Photonics

😰 Physical and Analytical Electrochemistry



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

Pesitransactions

Vol. 64, No. 13

Copyright 2014 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 978-1-62332-193-2 (Soft Cover) ISBN 978-1-60768-550-0 (PDF)

Printed in the United States of America.

ECS Transactions, Volume 64, Issue 13

Fundamentals and Applications of Microfluidic and Nanofluidic Devices 2

Table of Contents

Preface	iii
Electrokinetic Trapping and Patterning of Colloidal Particles in Asymmetric Ratchet Microchannels A. Kale, X. Lu, S. Patel, X. Xuan	1

v

Author Index

15