

Board of Editors

Editor in Chief	Mark Lautens University of Toronto, Canada mark.lautens@utoronto.ca
Associate Editor for Reviews and Short Reviews	Martin Oestreich Technische Universität Berlin, Germany synthesis_oestreich@thieme.de
Associate Editors for Full Papers	Thorsten Bach Technische Universität München, Germany synthesis_bach@thieme.de
	Hongli Bao Fujian Institute of Research on the Structure of Matter, P. R. of China synthesis@fjirsm.ac.cn
	Tomislav Friščić University of Birmingham, UK t.frisic@bham.ac.uk
	Liu-Zhu Gong University of Science and Technology of China, P. R. of China synthesis@ustc.edu.cn
	Jung Min Joo Pusan National University, Republic of Korea jmjoo@pusan.ac.kr
	Corinna S. Schindler University of Michigan, USA corinnas@umich.edu
	Hideki Yorimitsu Kyoto University, Japan synthesis@kuchem.kyoto-u.ac.jp

Editorial Advisory Board

Lutz Ackermann, Göttingen	Takashi Niwa, Kobe
Nu-Hyun Baik, Daejeon	Timothy Noël, Amsterdam
Guillaume Berionni, Namur	Nitin T. Patil, Bhopal
Carsten Bolm, Aachen	Namrata Rastogi, Lucknow
Margaret M. Faul, Thousand Oaks	Sophie Rousseaux, Toronto
Olga Garcia Mancheño, Münster	Feng Shi, Xuzhou
Eva Hevia, Bern	Yuto Sumida, Kanazawa
Matthew Horwitz, Antwerp	Takayuki Tanaka, Kyoto
Lei Jiao, Beijing	Wei Wang, Lanzhou
Dawei Ma, Shanghai	Thomas Wirth, Cardiff
Ilan Marek, Haifa	Zuwei Xie, Hong Kong
Joseph Moran, Strasbourg	

Editorial Office

Editorial and Acquisition Team	Susanne Haak susanne.haak@thieme.de
	Stefanie Baumann stefanie.baumann@thieme.de
	Rohit Bhatia rohit.bhatia@thieme.com
	Michael Binanzer michael.binanzer@thieme.de
	Selena Boothroyd selena.boothroyd@thieme.de
	Yingxiao Cai yingxiao.cai@thieme.com
	Fungisai Matemadombo fungisai.matemadombo@thieme.de
	Giuliana Rubulotta giuliana.rubulotta@thieme.de
	Divyam Semwal divyam.semwal@thieme.com
	Kathrin Ulbrich kathrin.ulbrich@thieme.de
Production Team	Tobias Brenner tobias.brenner@thieme.de
	Thomas Loop thomas.loop@thieme.de
	Regina Spangler regina.spangler@thieme.de
Assistance	Sabine Heller sabine.heller@thieme.de
Postal Address	SYNTHESIS Editorial Office Georg Thieme Verlag KG Rüdigerstraße 14, 70469 Stuttgart Germany

Publication Information

SYNTHESIS
Volume 55
SYNTHESIS is published semimonthly (in total 24 issues).
ISSN (Print): 0039-7881
eISSN: 1437-210X

Publishers
Georg Thieme Verlag KG, Rüdigerstraße 14, 70469 Stuttgart or P.O.Box 301120, 70451 Stuttgart, Germany
Phone: +49 711 8931 0
Fax: +49 711 8931 298
www.thieme-chemistry.com

Editorial staff at Georg Thieme Verlag is available via:
synlett_synthesis@thieme.de, V.i.s.d.P.: Dr. Michael Binanzer, Rüdigerstraße 14, 70469 Stuttgart

USA Office: (USPS 014-855) Thieme Publishers Inc., 333 Seventh Avenue, 18th floor, New York, NY 10001. Periodicals postage paid at New York, NY and additional mailing offices. POSTMASTER: Send address changes to SYNTHESIS, c/o Thieme Publishers Inc., 333 Seventh Ave, 18th floor, New York, NY 10001.

Printed in Germany
Cover design: Thieme Group
Typesetting: Georg Thieme Verlag KG, Stuttgart
Printer: Grafisches Centrum Cuno GmbH & Co. KG, Calbe (Saale)

Manuscript Submission

Manuscript submissions will be processed exclusively online via <http://mc.manuscriptcentral.com/synthesis>. Please consult the Instructions for Authors before compiling a new manuscript. The current version and the Word templates for manuscript preparation are available at www.thieme-chemistry.com

Ordering Information

The Americas:

Thieme New York,
333 Seventh Ave, New York, NY 10001, USA.
Via e-mail: customerservice@thieme.com
Via website: www.thieme-chemistry.com
Phone: +1 212 760 0888; Fax: +1 212 947 0108
Order toll-free within the USA: +1 800 782 3488

Europe, Africa, Asia,* and Australia:

Georg Thieme Verlag KG,
Rüdigerstraße 14, 70469 Stuttgart or P.O.Box 301120,
70451 Stuttgart, Germany.
Via e-mail: customerservice@thieme.de
Via website: www.thieme-chemistry.com
Phone: +49 711 8931 421; Fax: +49 711 8931 410

*Except India, Pakistan, Bangladesh, Nepal, Bhutan, and Sri Lanka:

Thieme Publishers Delhi, Thieme Medical and Scientific Publishers Private Ltd., N-26, II & III Floor, Sector 18, Noida-201 301, India.
Via e-mail: customerservice@thieme.in
Phone: +91 120 42744 61/62/63/64; Fax: +91 120 42744 65

Subscription Rates 2023 for the Americas

Institutional Print + single site online access	US\$ 5,821.00
Online only single site access	US\$ 5,604.00
Personal (incl. online access)	US\$ 1,016.00
Single Issue	US\$ 295.00
Postage	Incl. for USA Outside the USA add US\$ 173.00

Subscription Rates 2023 for Europe, Africa, Asia,* and Australia

Institutional Print + single site online access	€ 4,690.00	
Online only single site access	€ 4,536.00	
Personal (incl. online access)	€ 744.00	
Single Issue	€ 227.00	
Postage	Germany Europe Overseas	€ 153.10 € 172.70 € 300.00

*For India, Pakistan, Bangladesh, Nepal, Bhutan, and Sri Lanka please contact customerservice@thieme.in

All prices are those suggested by the publisher and are subject to change. All subscription orders are entered for the calendar year. Subscriptions can be started anytime. Subscriptions are automatically extended each year unless notice of cancellation is received from the subscriber prior to September 30th of each year (applies to Germany, Switzerland, Austria only). Personal subscriptions must be placed by individuals. Only qualified professionals are eligible for personal subscriptions. Orders from individuals must include the recipient's name and private address and be paid by private funds.

Online Licensing Information

The online version of this journal is available through www.thieme-connect.de/products/ejournals/journal/10.1055/s-00000084 where it is also possible to register for a free trial account. For information on multi-site licenses and pricing for corporate customers, as well as backfiles, please contact our regional offices:

The Americas:

esales@thieme.com
Phone: +1 212 584 4695

Europe, Africa, Asia, and Australia:

eproducts@thieme.de
Phone: +49 711 8931 407

India:

eproducts@thieme.in
Phone: +91 120 4556600

Product Names

Product names which are in fact registered trademarks may not have been specifically designated as such in every case. Thus, in those cases where a product has been referred to by its registered trademark it cannot be concluded that the name used is public domain. The same applies to labels, names or other signs.

Ownership and Copyright

© 2023. Thieme. All rights reserved.

This journal, including all individual contributions and illustrations published therein, is legally protected by copyright for the duration of the copyright period. Any use, exploitation or commercialization outside the narrow limits set by copyright legislation, without the publisher's consent, is illegal and liable to criminal prosecution. This applies in particular to photocopy reproduction, copyright, cyclostyling, mimeographing or duplication of any kind, translating, preparation of microfilms, and electronic data processing and storage (CD-ROM, DVD, USB memory stick, databases, cloud-based service, ebook and other forms of electronic publishing) as well as making it available to the public (e.g., internet, intranet or other wired or wireless data networks), in particular by displaying on stationary or mobile visual display units, monitors, smart phones, tablets or other devices by download (e.g., e-pub, PDF, App) or retrieval in any other form.

Copyright Permission for Users in the USA

Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Georg Thieme Verlag Stuttgart · New York for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service; www.copyright.com. For reprint information in the USA, please contact: journals@thieme.com

Advertising

Thieme Media
Pharmedia Anzeigen- und Verlagsservice GmbH, Laura Lenz,
Rüdigerstraße 14, 70469 Stuttgart or P.O.Box 300880, 70448 Stuttgart,
Germany
Phone: +49 711 8931 465; Fax: +49 711 8931 469
e-Mail: laura.lenz@thieme-media.de