

## Contents

	v	Contributors to this issue
	vii	Graphical abstracts
		<b>COMMUNICATIONS</b>
T. Caruso and A. Spinella	2071	First total synthesis of natural aplyolides C and E, ichthyotoxic macrolides isolated from the skin of the marine mollusc <i>Aplysia depilans</i>
A. Krasinski and J. Jurczak	2075	The titanium-catalysed epoxidation of homoallylic $\alpha$ -amino alcohols
J. Drabowicz, J. Luczak, M. Mikołajczyk, Y. Yamamoto, S. Matsukawa and K. Akiba	2079	The first enantiomerically pure, $C_2$ -symmetric spiro-selenurane: 3,3,3',3'-tetramethyl-1,1'-spirobi[3 <i>H</i> ,2,1]-benzoxaselenole
T. Arai, T. Sekiguti, Y. Iizuka, S. Takizawa, S. Sakamoto, K. Yamaguchi and H. Sasai	2083	A dendrimer-supported heterobimetallic asymmetric catalyst
		<b>ARTICLES</b>
A. Gaquere, S. Liang, F.-L. Hsu and X. R. Bu	2089	The readily available <i>tert</i> -pentyl group as a most effective simple directing group for asymmetric synthesis: a case study on Salen–Mn(III)-catalyzed epoxidation
G. Zhao, J. Hu, Z. Qian and W. Yin	2095	Enantioselective reduction of $\beta$ -keto sulfones using the $\text{NaBH}_4/\text{Me}_3\text{SiCl}$ system catalyzed by polymer-supported chiral sulfonamide
Ö. Dogan, I. Öner, D. Ülkü and C. Arici	2099	Diethylzinc-mediated 1,3-dipolar cycloaddition reaction of chiral azomethine ylides: asymmetric synthesis of ferrocenyl-substituted pyrrolidine derivatives
J. Skarzewski, R. Siedlecka, E. Wojaczyńska and M. Zielińska-Blajet	2105	A new and efficient route to homochiral $\gamma$ -hydroxysulfoxides and $\gamma$ -hydroxy-sulfones
M. Panunzio, E. Bandini, E. Campana and P. Vicennati	2113	Enantioselective synthesis of protected D-serine from tetrahydrooxazin-4-one via a hetero Diels–Alder reaction
A. Alexakis and F. Amiot	2117	Enantioselective addition of organolithium reagents on isoquinoline
N. Shimizu, H. Akita and T. Kawamata	2123	Enzymatic resolution of <i>cis</i> - and <i>trans</i> -1,2,3,4,6,7,8,8a-octahydro-8a-methyl-6- <i>oxo</i> -naphthyl acetate derivatives
E. Kobrzycka, D. Gryko and J. Jurczak	2133	Asymmetric addition of 2-methylfuran and its lithiated derivative to variously <i>N,N</i> -protected L-alaninals
D. Chang, H.-J. Feiten, B. Witholt and Z. Li	2141	Regio- and stereoselective hydroxylation of <i>N</i> -substituted piperidin-2-ones with <i>Sphingomonas</i> sp. HXN-200
J. M. Seco, L.-H. Tseng, M. Godejohann, E. Quiñoá and R. Riguera	2149	Simultaneous enantioresolution and assignment of absolute configuration of secondary alcohols by directly coupled HPLC–NMR of 9-AMA esters
K. Ohe, K. Morioka, K. Yonehara and S. Uemura	2155	Asymmetric hydrogenation of enamides in aqueous media with a new water-soluble chiral rhodium- $\alpha,\alpha$ -trehalose-derived phosphine–phosphinite catalyst
M. Shi and C.-J. Wang	2161	Axially dissymmetric binaphthylidimine chiral Salen-type ligands for catalytic asymmetric addition of diethylzinc to aldehyde
T. Hoshi, H. Shionoiri, M. Katano, T. Suzuki and H. Hagiwara	2167	Syntheses and reactions of ( <i>R</i> )-(C <sub>10</sub> H <sub>6</sub> ) <sub>2</sub> M <sub>2</sub> (M = SnMeCl <sub>2</sub> , SnMe <sub>2</sub> Cl, SnMe(OTf) <sub>2</sub> , SnMe <sub>2</sub> OTf, SiMe <sub>2</sub> I) as novel chiral 2,2'-bis-metallic-1,1'-binaphthyl catalysts



Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.

---

**CONTENTS**  
**direct**

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

---



<http://www.tetonline.com>

Indexed/Abstracted in: Beilstein, BIOSIS Previews, Chemical Abstracts, Current Contents: Physical, Chemical and Earth Sciences, Derwent Biotechnology Abstracts, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, PASCAL, Research Alert, Science Citation Index, SciSearch

---



Pergamon

ISSN 0957-4166