Vol. 46 No. 1 March 2024

Studies in Second Language Acquisition



https://doi.org/10.1017/S0272263124000056 Published online by Cambridge University Press

STUDIES IN SECOND LANGUAGE ACQUISITION

Editor: Luke Plonsky (Northern Arizona University)

Associate Editors: Jill Jegerski (University of Illinois), Kevin McManus (Pennsylvania State University), Andrea Révész (UCL Institute of Education), Kazuya Saito (UCL Institute of Education), Stuart Webb (University of Western Ontario)

Managing Editor: Lizz Huntley (University of Colorado Denver)

Editorial Assistant: Shujing Zhao (Northern Arizona University)

Founding Editor: Albert Valdman

Former Editors: Susan Gass, Bill VanPatten

Editorial Board

Ali Al-Hoorie (Royal Commission for Jubail and Yanbu, Saudi Arabia), Frank Boers (University of Western Ontario, Canada), Dustin Crowther (University of Hawai'i), Irina Elgort (Victoria University of Wellington, New Zealand), Aline Godfroid (Michigan State University), Phil Hiver (Florida State University), Amanda Huensch (University of Pittsburgh), Bronson Hui (University of Maryland), Tania Ionin (University of Illinois at Urbana-Champaign), Carrie Jackson (Pennsylvania State University), Scott Jarvis (Northern Arizona University), Okim Kang (Northern Arizona University), Sara Kennedy (Concordia University, Canada), Ron Leow (Georgetown University), Shaofeng Li (Florida State University), Peter MacIntyre (Cape Breton University, Canada), Alison J. Mackey (Georgetown University), Kara Morgan-Short (University of Illinois at Chicago), Akira Murakami (University of Birmingham, UK), Charles Nagle (Iowa State University), Tatsuya Nakata (Rikkyo University, Japan), Reza Norouzian (Oregon Department of Education), William O'Grady (University of Hawaii), Magali Paquot (Université Catholique de Louvain, Belgium), Ana Pellicer-Sanchez (University College London, UK), Elke Peters (KU Leuven, Belgium), Simone Pfenninger (University of Zurich, Switzerland), Graeme Porte (University of Granada, Spain), Jason Rothman (Arctic University of Norway, Norway & University of Nebrija, Spain), Cristina Sanz (Georgetown University), Raquel Serrano (University of Barcelona, Spain), Megan Solon (Indiana University), Suhad Sonbul (Umm Al-Qura University, Saudi Arabia), Patti Spinner (Michigan State University), Ekaterina Sudina (East Carolina University), Yuichi Suzuki (Kanagawa University, Japan), Naoko Taguchi (Northern Arizona University), Rining (Tony) Wei (Xi'an Jiaotong-Liverpool University, China), Brent Wolter (Idaho State University), Stefanie Wulff (University of Florida), Janire Zalbidea (Temple University)

EDITORIAL POLICY

Studies in Second Language Acquisition is a refereed journal of international scope devoted to the scientific discussion of acquisition of the use of non-native and heritage languages. Each volume contains five issues, one of which is devoted to a special topic in the field. The other four issues contain research articles of either a quantitative or qualitative nature in addition to essays on current theoretical matters. Other rubrics include Replication Studies, the Methods Forum, and Research Reports.

PUBLISHING, PRODUCTION, AND ADVERTISING OFFICES

Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA; US: USAdSales@cambridge.org; or Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, England; UK: ad_sales@cambridge.org

SUBSCRIPTION OFFICES

(For U.S.A. and Canada) Cambridge University Press, One Liberty Plaza New York, NY 10006, U.S.A. (For U.K. and elsewhere) Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, England.

SUBSCRIPTION INFORMATION

Studies in Second Language Acquisition (ISSN 0272-2631) is published five times a year in March, May, July, September, and December by Cambridge University Press, One Liberty Plaza, 20th floor, New York, NY 10006. Periodicals postage rate paid at New York, NY, and at additional mailing offices. POSTMASTER: Send address changes in the USA, Canada, and Mexico to: Studies in Second Language Acquisition, Cambridge University Press, Journals Fulfillment Department, One Liberty Plaza, 20th floor, New York, NY 10006. Send address changes elsewhere to Studies in Second Language Acquisition, Cambridge University Press, Journals Fulfillment Department, One Liberty Plaza, 20th floor, New York, NY 10006. Send address changes elsewhere to Studies in Second Language Acquisition, Cambridge UB2 828, England. Volume 46 subscription rates: Institutions, print and electronic US \$793.00 in the U.S.A. and Canada, UK \$490.00 in the U.K. and elsewhere; Institution, print only US \$806.00 in the U.S.A. and Canada, UK \$494.00 in the U.K. and elsewhere; Institution, print only US \$806.00 in the U.S.A. and Canada, UK \$162.00 in the

This journal is part of the Cambridge Journals Online service. Access to online tables of contents and article abstracts is available to all researchers at no cost. Institutional subscribers: Access to full-text articles online is included with the cost of the print subscription. Subscriptions must be activated; see http://www.journals. cambridge.org for details.

© CAMBRIDGE UNIVERSITY PRESS & ASSESSMENT 2024

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. For further information see http://us.cambridge.org/information/rights/ or http://www.cambridge.org/uk/ information/rights/ *Photocopying information for users in the USA*. The Item-Fee Code for this publication (0272-2631/15 \$15.00) indicates that copying for internal or personal use beyond that permitted by Sec. 107 or 108 of the U.S. Copyright Law is authorized for users duly registered with the Copyright Clearance Center (CCC), provided that the appropriate remittance of \$15.00 per article is paid directly to: CCC, 222 Rosewood Drive, Danvers, MA 01923. Specific written permission must be obtained for all other copying. Contact the *ISI Tearsheet Service*, 3501 Market Street, Philadelphia, PA 19104, for single copies of separate articles.

Studies in Second Language Acquisition is indexed in the Social Sciences Citation Index, Social SciSearch, and Current Contents/Social & Behavioral Sciences. Coverage began with Vol. 26(1), 2004.

TABLE OF CONTENTS

ANNOUNCEMENTS

Announcing the 2024 Susan Gass Award for Impact in SLA	1-1
2023 Valdman Award Acceptance Note	2-2
RESEARCH ARTICLES	
Age effects in spoken second language vocabulary attainment beyond the critical period Kazuya Saito	3–27
Scrutinizing LLAMA D as a measure of implicit learning aptitude Takehiro Iizuka and Robert DeKeyser	28–50
Can personality predict foreign language classroom emotions? The devil's in the detail Elouise Botes, Jean-Marc Dewaele, Samuel Greiff,	
and Thomas Goetz	51-74
The congruency effect in L2 collocational processing: The underlying mechanism and moderating factors Yingzhao Chen	75–95
How to present L2 Chinese words effectively for learning: Exploring learning outcomes and learner perceptions Xuehong (Stella) He and Shawn Loewen	96–118
Language proficiency modulates L2 orthographic learning mechanism: Evidence from event-related brain potentials in overt naming Yang Fu, Beatriz Bermúdez-Margaretto, David Beltrán, Wang Huili, and Alberto Dominguez	119–140
Modeling effects of linguistic complexity on L2 processing effort: The case of eye movement in text reading Xiaopeng Zhang and Nan Gong	141–168
Measuring the development of lexical richness of L2 Spanish: A longitudinal learner corpus study María Díez-Ortega and Kristopher Kyle	169–199
RESEARCH REPORTS	
Understanding L2-derived words in context: Is complete receptive morphological knowledge necessary? Batia Laufer	200–213
On the effects of task focus and processing level on the	200-213
perception–production link in second-language speech learning Miquel Llompart	214–226

METHODS FORUM

Estimating reliability for response-time difference measures:	
Toward a standardized, model-based approach	
Bronson Hui and Zhiyi Wu	227-250
Meta-analysis of second language research with complex research	
designs	
Reza Norouzian and Gavin Bui	251-276

ADDENDUM

Meta-analysis of second language research with complex research	
designs – ADDENDUM	
Reza Norouzian and Gavin Bui	277-277

METHODS FORUM

Evaluating evidence for the reliability and validity of lexical	
diversity indices in L2 oral task responses	
Kristopher Kyle, Hakyung Sung, Masaki Eguchi, and	
Fred Zenker	278–299