## LEARNING AND INSTRUCTION

An Official Journal of the European Association for Research on Learning and Instruction

Website http://elsevier.com/locate/learninstruc/ Association Website http://www.earli.org

## Volume 28 2013

## **Contents**

CONSTRUCT VALIDITY OF STUDENT PERCEPTIONS OF INSTRUCTIONAL QUALITY IS HIGH, BUT NOT PERFECT: DIMENSIONALITY AND GENERALIZABILITY OF DOMAIN-INDEPENDENT ASSESSMENTS W. Wagner, R. Göllner, A. Helmke, U. Trautwein and O. Lüdtke	1
SCHOOL CONTEXT, ACHIEVEMENT MOTIVATION, AND ACADEMIC ENGAGEMENT: A LONGITUDINAL STUDY OF SCHOOL ENGAGEMENT USING A MULTIDIMENSIONAL PERSPECTIVE MT. Wang and J.S. Eccles	12
SECOND LANGUAGE LEARNERS' PERFORMANCE IN MATHEMATICS: DISENTANGLING THE EFFECTS OF ACADEMIC LANGUAGE FEATURES N. Haag, B. Heppt, P. Stanat, P. Kuhl and H.A. Pant	24
LEARNING TO BE CREATIVE. THE EFFECTS OF OBSERVATIONAL LEARNING ON STUDENTS' DESIGN PRODUCTS AND PROCESSES T. Groenendijk, T. Janssen, G. Rijlaarsdam and H. van den Bergh	35
HOW A PICTURE FACILITATES THE PROCESS OF LEARNING FROM TEXT: EVIDENCE FOR SCAFFOLDING  A. Eitel, K. Scheiter, A. Schüler, M. Nyström and K. Holmqvist	48
THE NATURAL NUMBER BIAS AND MAGNITUDE REPRESENTATION IN FRACTION COMPARISON BY EXPERT MATHEMATICIANS  A. Obersteiner, W. Van Dooren, J. Van Hoof and L. Verschaffel	64
ACHIEVEMENT AND ENGAGEMENT: HOW STUDENT CHARACTERISTICS INFLUENCE TEACHER JUDGMENTS  J. Kaiser, J. Retelsdorf, A. Südkamp and J. Möller	73