

39th Annual Meeting of the Cognitive Science Society (CogSci 2017)

Computational Foundations of Cognition

London, United Kingdom
26 - 29 July 2017

Volume 1 of 5

ISBN: 978-1-5108-4661-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by Cognitive Science Society, Inc.
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact Cognitive Science Society, Inc.
at the address below.

Cognitive Science Society, Inc.
University of Texas - Austin
Department of Psychology
108 E. Dean Keeton, Stop A8000
Austin, TX 78712-1043

Phone: (512) 471-2030
Fax: (512) 471-3053

cogsci@austin.utexas.edu

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

Introduction	lvii
Committees	lx
Conference Awards	lxiv
Invited Presentations	lxvii
Tutorials	
<i>Tutorial: Recent Advances in Deep Learning</i>	1
Matthew Botvinick, Peter Battaglia	
<i>Methods for Reconstructing Causal Networks from Observed Time-Series: Granger-Causality, Transfer Entropy, and Convergent Cross-Mapping</i>	3
Fermin Moscoso del Prado Martin	
<i>Dynamic Field Theory: Conceptual Foundations and Applications in Cognitive and Developmental Science</i>	5
John Spencer, Vanessa Simmering, Sebastian Schneegans	
Workshops	
<i>The Fine Art of Conversation</i>	7
Saul Albert, Claude Heath, Patrick Healey	
<i>Workshop: Bridging the Gap: Is Logic and Automated Reasoning a Foundation for Human Reasoning?</i>	9
Ulrich Furbach, Steffen Hölldobler, Marco Ragni, Claudia Schon	
<i>Citizen Science, Gamification, and Virtual Reality for Cognitive Research</i>	11
Jana Jarecki, Jacob Sherson, Juho Hamari, Julia A. Bopp, Julian Jarecki, Libby Heaney, Sharon Steinemann, Pinja Haikka, Carsten Bergenholtz	
<i>Cooperative Social Intelligence: Understanding and Acting with Other</i>	13
Max Kleiman-Weiner, Yibiao Zhao, Josh Tenenbaum	
<i>Building Bridges from (Ivory) Towers: Combining Academia and Industry for Cognitive Research</i>	15
Katherine Livins, Jay Martin	
<i>The Computational Foundations of Religious Cognition: A Workshop Hosted by the International Association for the Cognitive Science of Religion (IACSR)</i>	17
Ann Taves, Dimitris Xygalatas, John Shaver	
<i>Workshop proposal: Deep Learning in Computational Cognitive Science</i>	19
Ilker Yildirim, Josh Tenenbaum	
Symposia	
<i>Anthropological Contributions to Cognitive Science</i>	21
Andrea Bender, Sieghard Beller, Rita Astuti, Olivier Le Guen, Karenleigh Overmann, Peter Rácz, Fiona Jordan, Mads Solberg	

<i>Static and dynamic visual narratives, by brain and by eye</i>	23
Neil Cohn, Tom Foulsham, Tim Smith, Jeff Zacks	
<i>Game-XP: Action Games as Cognitive Science Paradigms</i>	25
Wayne Gray, Ray Perez, Martin Butz, Stuart Reeves, Matthew Sangster, Tom Stafford, Fernand Gobet	
<i>Educating Spatial Thinking for STEM Success</i>	27
Mary Hegarty, David Uttal, Mike Stieff, Tom Lowrie, Stella Vosniadou	
<i>Symposium on Problem Solving and Goal-Directed Sequential Activity</i>	29
Pat Langley, Richard Cooper	
<i>LUCID science: Advancing learning through human-machine cooperation</i>	31
Timothy Rogers, Charles Kalish	
<i>Intuitive Biology and Global Challenges: Applying Theoretical Insights for Public Good</i>	33
Lauren Swiney, Deborah Kelemen, Andrew Shtulman, John Coley, Nicole Betz, Stefaan Blancke	
<i>Time in the mind of a child: Perspectives on the development of temporal cognition</i>	35
Katharine Tillman, Florie Monier, Meng Zhang, Jonathan Redshaw, Teresa McCormack	
<i>Big Data and Little Learners</i>	37
John Trueswell, Linda Smith, Josh Tenenbaum, Charles Yang	

Talks: Papers

<i>Burstiness across multimodal human interaction reveals differences between verbal and non-verbal communication</i>	39
Drew Abney, Rick Dale, Chris Kello, Max Louwerse	
<i>Enactive Mechanistic Explanation of Social Cognition</i>	45
Ekaterina Abramova, Marc Slors, Iris van Rooij	
<i>Human Visual Search as a Deep Reinforcement Learning Solution to a POMDP</i>	51
Aditya Acharya, Xiuli Chen, Christopher Myers, Richard Lewis, Andrew Howes	
<i>Executive function and attention predict low-income preschoolers' active category learning</i>	57
Katherine A. Adams, George Kachergis	
<i>Simulating behavioural interventions for developmental deficits: When improving strengths produces better outcomes than remediating weaknesses</i>	63
Hala Alireza, Anna Fedor, Michael Thomas	
<i>A Bayesian Model of Memory for Text</i>	69
Mark Andrews	
<i>Numbers Uniquely Bias Spatial Attention: A Novel Paradigm for Understanding Spatial-Numerical Associations</i>	75
Lauren Aulet, Sami Yousif, Stella Lourenco	
<i>Highly Proficient Bilinguals Maintain the Language-Specific Pragmatic Constraints on Pronouns: Evidence from Speech and Gesture</i>	81
Zeynep Azar, Ad Backus, Aslı Özyürek	

<i>Rise and fall of conflicting intuitions during reasoning</i>	87
Bence Bago, Wim De Neys	
<i>The Refugees' Dilemma: not all deontological moral choices are of the same kind</i>	93
Albert Barque-Duran, Emmanuel Pothos	
<i>I know what you need to know: Children's developing theory of mind and pedagogical evidence selection</i>	99
Ilona Bass, Elizabeth Bonawitz, Patrick Shafto, Dhaya Ramarajan, Alison Gopnik, Henry Wellman	
<i>Didn't know, or didn't show? Preschoolers consider epistemic state and degree of omission when evaluating teachers</i>	105
Ilona Bass, Elizabeth Bonawitz, Hyowon Gweon	
<i>Modeling human categorization of natural images using deep feature representations</i>	111
Ruairidh Battleday, Joshua Peterson, Tom Griffiths	
<i>Semantic Typology and Parallel Corpora: Something about Indefinite Pronouns</i>	112
Barend Beekhuizen, Julia Watson, Suzanne Stevenson	
<i>How Relative is the Relative Frame of Reference? Front and back in Norwegian, Farsi, German, and Japanese</i>	118
Sieghard Beller, Andrea Bender	
<i>Quantifying infants' statistical word segmentation: a meta-analysis</i>	124
Alexis Black, Christina Bergmann	
<i>Narrowing of the Cone-of-Direct Gaze Through Reinforcement Learning</i>	130
Sam Blakeman, Denis Mareschal	
<i>Functionally localized representations contain distributed information: insight from simulations of deep convolutional neural networks</i>	136
Nicholas Blauch, Elissa Aminoff, Michael Tarr	
<i>Inferential Role Semantics for Natural Language</i>	142
Peter Blouw, Chris Eliasmith	
<i>Split-Second Detection of Cooperativeness from Faces in the Trust Game</i>	148
Jean-Francois Bonnefon, Astrid Hopfensitz, Wim De Neys	
<i>Diversity in a Contrast Set Increases Generalization from a Single-Item Target</i>	149
David Bosch, David Kalkstein, Tali Kleiman	
<i>Causal learning from interventions and dynamics in continuous time</i>	150
Neil Bramley, Ralf Mayrhofer, Tobias Gerstenberg, David Lagnado	
<i>Harmony in a non-harmonic language: word order learning in French children</i>	156
Guillaume Braquet, Jennifer Culbertson	
<i>How can I help? 24- to 48-month-olds provide help specific to the cause of others' failed actions</i> .	162
Sophie Bridgers, Sara Altman, Hyowon Gweon	
<i>Watching Non-Corresponding Gestures Helps Learners with High Visuospatial Ability to Learn about Movements with Dynamic Visualizations: An fNIRS Study</i>	168
Birgit Brucker, Björn de Koning, Ann-Christine Ehlis, David Rosenbaum, Peter Gerjets	

<i>Learning on Multi-Touch Devices: The influence of the distance between information in pop-ups and the hands of the users</i>	174
Birgit Brucker, Lara Scatturin, Peter Gerjets	
<i>A Flexible Mapping Scheme for Discrete and Dimensional Emotion Representations</i>	180
Sven Buechel, Udo Hahn	
<i>Maintenance of Perceptual Information in Speech Perception</i>	186
Wednesday Bushong, T. Florian Jaeger	
<i>Task-oriented Bayesian inference in interval timing: People use their prior reproduction experience to calibrate time reproduction</i>	192
Zhenguang Cai, Ruiming Wang, Huihui Liu, Maarten Speekenbrink	
<i>The most efficient sequence of study depends on the type of test</i>	198
Paulo Carvalho, Rob Goldstone	
<i>Is there an explicit learning bias? Students beliefs, behaviors and learning outcomes.</i>	204
Paulo Carvalho, Elizabeth McLaughlin, Ken Koedinger	
<i>A Model of Cognitive Control in the Wisconsin Card Sorting Test: Integrating Schema Theory and Basal Ganglia Function</i>	210
Andrea Caso, Richard P. Cooper	
<i>Distributional learning and lexical category acquisition: What makes words easy to categorize?</i> ..	216
Giovanni Cassani, Robert Grimm, Steven Gillis, Walter Daelemans	
<i>Knowledge transfer in a probabilistic Language Of Thought</i>	222
Samuel Cheyette, Steve Piantadosi	
<i>Cross-situational learning of novel anaphors</i>	228
Karen Clothier, Satoshi Nambu, Hajime Ono, Akira Omaki	
<i>Expected Utility in Romantic Relationships: Satisfaction as a Cue for Romantic Partnership Dissolution</i>	234
Samantha Cohen, Peter Todd	
<i>Analogical gestures foster understanding of causal systems</i>	240
Kensy Cooperrider, Dedre Gentner, Susan Goldin-Meadow	
<i>Characterizing spatial construction processes: Toward computational tools to understand cognition</i>	246
Cathryn S. Cortesa, Jonathan D. Jones, Gregory D. Hager, Sanjeev Khudanpur, Amy L. Shelton, Barbara Landau	
<i>Mathematical invariants in people's probabilistic reasoning</i>	252
Fintan Costello, Paul Watts	
<i>Experts are better than novices when imagining wines, but not odors in general</i>	258
Ilja Croijmans, Laura Speed, Artin Arshamian, Asifa Majid	
<i>The elusive odness of or-introduction</i>	259
Nicole Cruz, David Over, Mike Oaksford	
<i>A Dynamic Tradeoff Model of Intertemporal Choice</i>	265
Junyi Dai, Timothy Pleskac, Thorsten Pachur	

<i>What is Learning? A Definition for Cognitive Science</i>	271
Jim Davies	
<i>Re-representation in comparison and similarity</i>	277
Samuel Day, Jennifer Asmuth	
<i>Comprehenders Rationally Adapt Semantic Predictions to the Statistics of the Local Environment: a Bayesian Model of Trial-by-Trial N400 Amplitudes</i>	283
Nathaniel Delaney-Busch, Emily Morgan, Ellen Lau, Gina Kuperberg, Gina Kuperberg	
<i>The Role of Imagination in Exemplar Generation: The Effects of Conflict and Explanation</i>	289
Tammy Dennis, Daniel Little	
<i>A hierarchical Bayesian model of "memory for when" based on experience sampling data</i>	295
Simon Dennis, Hyungwook Yim, Vishnu Sreekumar, Nathan Evans, Paul Garrett, Per Sederberg	
<i>Refixations gather new visual information rationally</i>	301
Yunyan Duan, Klinto Bicknell	
<i>A rational analysis of curiosity</i>	307
Rachit Dubey, Tom Griffiths	
<i>Refining the distributional hypothesis: A role for time and context in semantic representation</i> ...	313
Melody Dye, Michael Jones, Daniel Yarlett, Michael Ramscar	
<i>Cute Little Puppies and Nice Cold Beers: An Information Theoretic Analysis of Prenominal Adjectives</i>	319
Melody Dye, Petar Milin, Richard Futrell, Michael Ramscar	
<i>Vanishing the mirror effect: The influence of prior history & list composition on recognition memory</i>	325
Melody Dye, Michael Jones, Richard Shiffrin	
<i>Creating words from iterated imitation</i>	331
Pierce Edmiston, Marcus Perlman, Gary Lupyan	
<i>A Model of Event Knowledge</i>	337
Jeffrey Elman, Ken McRae	
<i>The role of intentionality in causal attribution is culturally mediated: evidence from Chinese, Mayan, and Spanish populations</i>	343
Stephanie Evers, Erika Bellingham, Katharine Donelson, Jing Du, José Antonio Jódar Sánchez, Fuyin Li, Jürgen Bohnemeyer	
<i>Explaining Enculturated Cognition</i>	349
Regina E. Fabry	
<i>A Cognitive-Pharmacokinetic Computational Model of the Effect of Toluene on Performance</i>	355
Christopher Fisher, Christopher Myers, Reem Hassan, Christopher Stevens, Charles Hack, Jeffery Gearhart, Glenn Gunzelmann	
<i>Thinking about the future: The role of spatial metaphors for time</i>	361
Stephen Flusberg, Teenie Matlock, Paul Thibodeau	

<i>Early Colour Word Learning in British Infants</i>	367
Samuel Forbes, Kim Plunkett	
<i>Word Identification Under Multimodal Uncertainty</i>	373
Abdellah Fourtassi, Michael Frank	
<i>Could both be right? Children's and adults' sensitivity to subjectivity in language</i>	379
Ruthe Foushee, Mahesh Srinivasan	
<i>Word Embedding Distance Does not Predict Word Reading Time</i>	385
Stefan Frank	
<i>Is Conflict Detection in Reasoning Domain General?</i>	391
Darren Frey, Wim De Neys	
<i>Sequential Effects in Prediction</i>	397
Dinis Gökyaydin, Anastasia Ejova	
<i>Empirical tests of large-scale collaborative recall</i>	403
Monica Gates, Jordan Suchow, Thomas Griffiths	
<i>Faulty Towers: A hypothetical simulation model of physical support</i>	409
Tobias Gerstenberg, Liang Zhou, Kevin Smith, Joshua Tenenbaum	
<i>Gaze Shifts between Text and Illustrations are Negatively Related to Reading Fluency in Beginning Readers</i>	415
Karrie E. Godwin, Cassondra M. Eng, Anna V. Fisher	
<i>A Cognitive Model of Strategic Deliberation and Decision Making</i>	421
Russell Golman, Sudeep Bhatia	
<i>How Can Memory-Augmented Neural Networks Pass a False-Belief Task?</i>	427
Erin Grant, Aida Nematzadeh, Thomas L. Griffiths	
<i>Evidence for a facilitatory effect of multi-word units on child word learning</i>	433
Robert Grimm, Giovanni Cassani, Steven Gillis, Walter Daelemans	
<i>The nature of quantities influences the representation of arithmetic problems: evidence from drawings and solving procedures in children and adults</i>	439
Hippolyte Gros, Jean-Pierre Thibaut, Emmanuel Sander	
<i>Does Mandarin Spatial Metaphor for Time Influence Chinese Deaf Signers' Spatio-Temporal Reasoning?</i>	445
Yan Gu, Yeqiu Zheng, Marc Swerts	
<i>Language and Spatial Memory in Japanese and English</i>	451
Harmen Gudde, Kenny Coventry	
<i>A Computational Model for the Dynamical Learning of Event Taxonomies</i>	452
Christian Gumbach, Sebastian Otte, Martin Butz	
<i>Reverse-engineering the process: Adults' and preschoolers' ability to infer the difficulty of novel tasks</i>	458
Hyowon Gweon, Mika Asaba, Grace Bennett-Pierre	

<i>Categorization, Information Selection and Stimulus Uncertainty</i>	464
David Halpern, Todd Gureckis	
<i>Perceptual contrast and response assimilation in sequential categorization without feedback</i>	470
James Hampton	
<i>Radical Embodied Cognition, Affordances, and the (Hard) Problem of Consciousness</i>	476
Valerie Hardcastle	
<i>Convention-formation in iterated reference games</i>	482
Robert X.d. Hawkins, Mike Frank, Noah Goodman	
<i>Sampling frames, Bayesian inference and inductive reasoning</i>	488
Brett Hayes, Stephanie Banner, Daniel Navarro	
<i>The adaptive evolution of early human symbolic behavior</i>	494
Katrin Heimann, Riccardo Fusaroli, Sergio Gonzalez de La Higuera Rojo, Niels Nørkjær Johannsen, Felix Riede, Nicolas Fay, Marlize Lombard, Kristian Tylén	
<i>Children's social referencing reflects sensitivity to graded uncertainty</i>	495
Emily Hembacher, Benjamin demayo, Michael Frank	
<i>Investigating the Explore/Exploit Trade-off in Adult Causal Inferences</i>	501
Erik Herbst, Christopher Lucas, Daphna Buchsbaum	
<i>Modeling transfer of high-order uncertain information</i>	507
Michele Herbstritt, Michael Franke	
<i>A Priming Model of Category-based Feature Inference</i>	513
Laura Hiatt	
<i>Quantifying the impact of active choice in word learning</i>	519
Shohei Hidaka, Takuma Torii, George Kachergis	
<i>Reference Systems in Spatial Memory for Vertical Locations</i>	525
Thomas Hinterecker, Caroline Leroy, Maximilian E. Kirschhock, Mintao Zhao, Martin Butz, Heinrich H. Bülthoff, Tobias Meilinger	
<i>Teaching by Intervention: Working Backwards, Undoing Mistakes, or Correcting Mistakes?</i>	526
Mark Ho, Michael Littman, Joseph Austerweil	
<i>Computational and behavioral investigations of the SOB-CS removal mechanism in working memory</i>	532
Violette Hoareau, Sophie Portrat, Klaus Oberauer, Benoit Lemaire, Gaën Plancher, Stephan Lewandowsky	
<i>Spatial Cognition and Science: The Role of Intrinsic and Extrinsic Spatial Skills from Seven to Eleven Years</i>	538
Alex Hodgkiss, Katie Gilligan, Michael Thomas, Andrew Tolmie, Emily Farran	
<i>Moving together: in the body or the mind?</i>	544
Lilla Hodossy, Jorina von Zimmermann, Daniel Richardson	
<i>Modeling Sources of Uncertainty in Spoken Word Learning</i>	550
Matthias Hofer, Roger Levy	

<i>Knowledge of Cross-Linguistic Semantic Diversity Reduces Essentialist Beliefs about Categories</i> .	556
Kevin Holmes, Erin Luby, Sarah Husney	
<i>Decisions based on verbal probabilities: Decision bias or decision by belief sampling?</i>	557
Hidehito Honda, Toshihiko Matsuka, Kazuhiro Ueda	
<i>Semantic diversity, frequency and learning to read: A mini-mega study with children</i>	563
Yaling Hsiao, Kate Nation	
<i>Testing Statistical Learning Implicitly: A Novel Chunk-based Measure of Statistical Learning</i>	564
Erin S. Isbilen, Stewart M. McCauley, Evan Kidd, Morten H. Christiansen	
<i>Minimal covariation data support future one-shot inferences about unobservable properties of novel agents</i>	570
Julian Jara-Ettinger, Hyowon Gweon	
<i>The Semantics and Pragmatics of Logical Connectives: Adults' and Children's Interpretations of And and Or in a Guessing Game</i>	576
Masoud Jasbi, Michael Frank	
<i>Maintaining Credibility When Communicating Uncertainty: The Role of Communication Format</i>	582
Sarah Jenkins, Adam Harris, Murray Lark	
<i>A modeling link between cognitive and biological homeostasis</i>	588
Gavin Jenkins, Jordan Barnes, Paul Tupper, Mark Blair	
<i>Viewers' Sensitivity to Abstract Event Structure</i>	594
Yue Ji, Anna Papafragou	
<i>Promoting Children's Relational Understanding of Equivalence</i>	600
Kristen Johannes, Jodi Davenport, Yvonne Kao, Caroline Byrd Hornburg, Nicole McNeil	
<i>Opponent Uses of Simplicity and Complexity in Causal Explanation</i>	606
Samuel Johnson, J. J. Valenti, Frank Keil	
<i>Principles Used to Evaluate Mathematical Explanations</i>	612
Samuel Johnson, Angie Johnston, Marissa Koven, Frank Keil	
<i>Statistical and Mechanistic Information in Evaluating Causal Claims</i>	618
Samuel Johnson, Frank Keil	
<i>Touch Screen Text Entry as Cognitively Bounded Rationality</i>	624
Jussi Jokinen	
<i>Using Measurement Models to Understand Eyewitness Identification</i>	625
Matthew Kaesler, John Dunn, Carolyn Semmler	
<i>A Biologically Constrained Model of Semantic Memory Search</i>	631
Ivana Kajic, Jan Gosmann, Brent Komer, Ryan W. Orr, Terrence Stewart, Chris Eliasmith	
<i>Mechanisms of overharvesting in patch foraging</i>	637
Gary Kane, Aaron Bornstein, Robert Wilson, Amitai Shenhav, Nathaniel Daw, Jonathan Cohen	
<i>Language-users choose short words in predictive contexts in an artificial language task</i>	643
Jasmeen Kanwal, Kenny Smith, Jennifer Culbertson, Simon Kirby	

<i>Preparatory Effects of Problem Posing on Learning from Instruction</i>	649
Manu Kapur	
<i>Comparing Individual and Collaborative Problem Solving in Environmental Search</i>	650
Franziska Keilmann, Stephan de La Rosa, Stephan Schwan, Ulrike Cress, Betty J Mohler, Heinrich H Bülthoff, Tobias Meilinger	
<i>Iterated Teaching Can Optimise Language Functionality</i>	651
Vera Kempe, Kamil Cichon, Nicolas Gauvrit, Monica Tamariz	
<i>Dynamic Effects of Conceptual Combination on Semantic Network Structure</i>	657
Yoed Kenett, Sharon Thompson-Schill	
<i>The provenance of modal inference</i>	663
Sangeet Khemlani, Thomas Hinterecker, Philip Johnson-Laird	
<i>Numerical and Non-numerical Magnitude Estimation</i>	669
Dan Kim, John Opfer	
<i>Variables Involved in Selective Sustained Attention Development: Advances in Measurement</i>	670
Jaeah Kim, Anna Vande Velde, Erik Thiessen, Anna Fisher	
<i>Constructing Social Preferences From Anticipated Judgments: When Impartial Inequity is Fair and Why?</i>	676
Max Kleiman-Weiner, Alex Shaw, Josh Tenenbaum	
<i>Explaining Guides Learners Towards Perfect Patterns, Not Perfect Prediction</i>	682
Elizabeth Kon, Tania Lombrozo	
<i>Selective Information Sampling and the In-Group Heterogeneity Effect</i>	688
Elizaveta Konovalova, Gael Le Mens	
<i>Exploring the decision dynamics of risky intertemporal choice</i>	694
Emmanouil Konstantinidis, Don van Ravenzwaaij, Ben R. Newell	
<i>Consistent Probabilistic Simulation Underlying Human Judgment in Substance Dynamics</i>	700
James Kubricht, Yixin Zhu, Chenfanfu Jiang, Demetri Terzopoulos, Song-Chun Zhu, Hongjing Lu	
<i>Synchronization Assessment for Collective Behavior</i>	706
Maurici A. López-Felip, Tehran J. Davis, Till D. Frank	
<i>More Siblings Means Lower Input Quality in Early Language Development</i>	711
Catherine Laing, Erika Bergelson	
<i>Uncovering visual priors in spatial memory using serial reproduction</i>	712
Thomas Langlois, Nori Jacoby, Jordan Suchow, Thomas Griffiths	
<i>A core-affect model of decision making in simple and complex tasks</i>	718
Othalia Larue, Alexander Hough, Ion Juvina	
<i>Generic and Universal Generalisations: Contextualising the ‘Generic Overgeneralisation’ Effect</i> .	724
Dimitra Lazaridou-Chatzigoga, Napoleon Katsos, Linnaea Stockall	
<i>Children’s semantic and world knowledge overrides fictional information during anticipatory linguistic processing</i>	730
Ruth Lee, Craig Chambers, Falk Huettig, Patricia Ganea	

<i>The impact of descriptions and incentives on the simultaneous underweighting and overestimation of rare events</i>	736
Garston Liang, Emmanouil Konstantinidis, Aba Szollosi, Christopher Donkin, Ben R. Newell	
<i>An automatic method for discovering rational heuristics for risky choice</i>	742
Falk Lieder, Paul Krueger, Tom Griffiths	
<i>Sequential Effects in the Garner Tasks</i>	748
Deborah Lin, Daniel Little	
<i>Error-based learning: A mechanism for linking verbs to syntax</i>	754
Yi Lin, Cynthia Fisher	
<i>Repeated Interactions Can Lead to More Iconic Signals</i>	760
Hannah Little, Marcus Perlman, Kerem Eryilmaz	
<i>What's worth the effort: Ten-month-old infants infer the value of goals from the costs of actions</i>	766
Shari Liu, Tomer Ullman, Josh Tenenbaum, Elizabeth Spelke	
<i>Why Does Higher Working Memory Capacity Help You Learn?</i>	767
Kevin Lloyd, Adam Sanborn, David Leslie, Stephan Lewandowsky	
<i>Social Network Limits Language Complexity</i>	773
Matt Lou-Magnuson, Luca Onnis	
<i>Learning induced illusions: Statistical learning creates false memories</i>	774
Yu Luo, Jiaying Zhao	
<i>An information-seeking account of eye movements during spoken and signed language comprehension</i>	780
Kyle MacDonald, Aviva Blonder, Virginia Marchman, Anne Fernald, Michael Frank	
<i>Preschoolers appropriately allocate roles based on relative ability in a cooperative interaction</i>	786
Rachel Magid, Mary Depascale, Laura Schulz	
<i>Intuitive psychophysics: Children's exploratory play quantitatively tracks the discriminability of alternative hypotheses</i>	792
Rachel Magid, Max Siegel, Josh Tenenbaum, Laura Schulz	
<i>Leveraging Response Consistency within Individuals to Improve Group Accuracy for Rank-Ordering Problems</i>	793
Brent Miller, Mark Steyvers	
<i>A Rational Constructivist Account of the Characteristic-to-Defining Shift</i>	799
Francis Mollica, Shirlene Wade, Steve Piantadosi	
<i>An incremental information-theoretic buffer supports sentence processing</i>	805
Francis Mollica, Steve Piantadosi	
<i>Different processes for reading words learned before and after onset of literacy</i>	811
Padraic Monaghan, Ya-Ning Chang, Stephen Welbourne	
<i>Multiple variable cues in the environment promote accurate and robust word learning</i>	817
Padraic Monaghan, James Brand, Rebecca Frost, Gemma Taylor	

<i>The ecological rationality of children's option generation and decision making</i>	823
Lisa Musculus, Azzurra Ruggeri, Markus Raab, Babett Lobinger	
<i>Multitasking Capability Versus Learning Efficiency in Neural Network Architectures</i>	829
Sebastian Musslick, Andrew Saxe, Kayhan Ozcimder, Biswadip Dey, Greg Henselman, Jonathan Cohen	
<i>Analogical Inferences in Causal Systems</i>	835
Matthew Myers, Dedre Gentner	
<i>Individual Differences in Transfer Mediated by Conceptual Priming</i>	841
Jairo A. Navarrete	
<i>When extremists win: On the behavior of iterated learning chains when priors are heterogeneous</i>	847
Daniel Navarro, Amy Perfors, Arthur Kary, Scott Brown, Chris Donkin	
<i>Calculating Probabilities Simplifies Word Learning</i>	853
Aida Nematzadeh, Barend Beekhuizen, Shanshan Huang, Suzanne Stevenson	
<i>Evaluating Vector-Space Models of Word Representation, or, The Unreasonable Effectiveness of Counting Words Near Other Words</i>	859
Aida Nematzadeh, Stephan C. Meylan, Thomas L. Griffiths	
<i>Listeners integrate speech, gesture, and discourse structure to interpret the temporal structure of complex events</i>	865
Andrea Nishimi, Esther Walker, Benjamin Bergen, Tyler Marghetis	
<i>Dynamics of Affordance Actualization</i>	871
Patric Nordbeck, Laura Soter, Rachel Kallen, Anthony Chemero, Michael Richardson	
<i>Broadening the Scope of Recognition Memory</i>	877
Justin Olds, Julian Marewski	
<i>A Computational Logic Approach to Human Syllogistic Reasoning</i>	883
Ana Oliveira da Costa, Emmanuelle-Anna Dietz Saldanha, Steffen Hölldobler, Marco Ragni	
<i>Speakers' gestures predict the meaning and perception of iconicity in signs</i>	889
Gerardo Ortega, Annika Schiefner, Asli Ozyurek	
<i>A Formal Approach to Modeling the Cost of Cognitive Control</i>	895
Kayhan Ozcimder, Biswadip Dey, Sebastian Musslick, Giovanni Petri, Nesreen K. Ahmed, Theodore L. Willke, Jonathan D. Cohen	
<i>Optimization of American English, Spanish, and Mandarin Chinese over time for efficient communication</i>	901
John Pate	
<i>Relational Concept Learning via Guided Interactive Discovery</i>	907
John Patterson, David Landy, Kenneth Kurtz	
<i>The Use of Iconic Words in Early Child-Parent Interactions</i>	913
Marcus Perlman, Riccardo Fusaroli, Deborah Fein, Letitia Naigles	
<i>Evidence for the size principle in semantic and perceptual domains</i>	919
Joshua Peterson, Thomas Griffiths	

<i>Modeling the Ellsberg Paradox by Argument Strength</i>	925
Niki Pfeifer, Hanna Pankka	
<i>Causation and norms of proper functioning: Counterfactuals are (still) relevant</i>	931
Jonathan Phillips, Jonathan Kominsky	
<i>Assessing the Linguistic Productivity of Unsupervised Deep Neural Networks</i>	937
Lawrence Phillips, Nathan Hodas	
<i>Opinion Cascades and Echo-Chambers in Online Networks: A Proof of Concept Agent-Based Model</i>	943
Toby D. Pilditch	
<i>Make-or-break: chasing risky goals or settling for safe rewards?</i>	949
Pantelis Pipergias Analytis, Charley Wu, Alexandros Gelastopoulos	
<i>A computational decomposition of task-irrelevant perceptual learning</i>	955
Angelo Pirrone, Tom Stafford	
<i>Inferential Pitfalls in Decoding Neural Representations</i>	961
Vencislav Popov, Markus Ostarek, Caitlin Tenison	
<i>The Relational Luring Effect: False Recognition via Relational Similarity</i>	967
Vencislav Popov, Penka Hristova	
<i>Target-to-distractor similarity can help visual search performance</i>	968
Vencislav Popov, Lynne Reder	
<i>Timing Time: Why Early Vision is Cognitively Impenetrable</i>	974
Athanasios Raftopoulos	
<i>The Wason Selection task: A Meta-Analysis</i>	980
Marco Ragni, Ilir Kola, Phil Johnson-Laird	
<i>Mental Algorithms in the Historical Emergence of Word Meanings</i>	986
Christian Ramiro, Barbara Malt, Mahesh Srinivasan, Yang Xu	
<i>A cognitive analysis of deception without lying</i>	992
Keith Ransom, Wouter Voorspoels, Amy Perfors, Daniel Navarro	
<i>Connecting stimulus-driven attention to the properties of infant-directed speech — Is exaggerated intonation also more surprising?</i>	998
Okko Rasanen, Sofoklis Kakouros, Melanie Soderstrom	
<i>When does a 'visual proof by induction' serve a proof-like function in mathematics?</i>	1004
Josephine Relaford-Doyle, Rafael Nunez	
<i>Interpreting Asymmetric Perception in Speech Perception with Bayesian Inference</i>	1010
Jie Ren, Joseph Austerweil	
<i>Quantitative Models of Human-Human Conversational Grounding Processes</i>	1016
Clayton D. Rothwell, Valerie L. Shalin, Griffin D. Romigh	
<i>Comprehenders Model the Nature of Noise in the Environment</i>	1022
Rachel Ryskin, Richard Futrell, Edward Gibson	

<i>Is the strength of regularisation behaviour uniform across linguistic levels?</i>	1023
Carmen Saldana, Kenny Smith, Simon Kirby, Jennifer Culbertson	
<i>Converting Cascade-Correlation Neural Nets into Probabilistic Generative Models</i>	1029
Ardavan Salehi Nobandegani, Thomas R. Shultz	
<i>Mental Representations and Computational Modeling of Context-Specific Human Norm Systems</i>	1035
Vasanth Sarathy, Matthias Scheutz, Yoed Kenett, Mowafak Allaham, Joseph Austerweil, Bertram Malle	
<i>Attractor Dynamics in Delay Discounting: A Call for Complexity</i>	1041
Martin Schoemann, Stefan Scherbaum	
<i>Strategic exploration in human adaptive control</i>	1047
Eric Schulz, Edgar Klenske, Neil Bramley, Maarten Speekenbrink	
<i>How Does Instance-Based Inference About Event Frequencies Develop? An Analysis with a Computational Process Model</i>	1053
Christin Schulze, Thorsten Pachur, Ralph Hertwig	
<i>Prior Expectations in Linguistic Learning: A Stochastic Model of Individual Differences</i>	1059
R. Alexander Schumacher, Janet Pierrehumbert	
<i>Effects of Grammatical Gender on Object Description</i>	1060
Arturs Semenuks, Webb Phillips, Ioana Dalca, Cora Kim, Lera Boroditsky	
<i>Inferring Human Interaction from Motion Trajectories in Aerial Videos</i>	1066
Tianmin Shu, Yujia Peng, Lifeng Fan, Hongjing Lu, Song-Chun Zhu	
<i>Children's spontaneous comparisons from 26 to 58 months predict performance in verbal and non-verbal analogy tests in 6th grade</i>	1072
Catriona Silvey, Dedre Gentner, Lindsey Richland, Susan Goldin-Meadow	
<i>Is Play Better Than Direct Instruction? Learning About Causal Systems through Play</i>	1078
Zi L. Sim, Kuldeep K. Mahal, Fei Xu	
<i>Conditionals, Individual Variation, and the Scorekeeping Task</i>	1084
Niels Skovgaard-Olsen, David Kellen, Ulrike Hahn, Karl Christoph Klauer	
<i>A case for systematic sound symbolism in pragmatics: The role of the first phoneme in question prediction in context</i>	1090
Anita Slonimska, Sean Roberts	
<i>Learning to See People like People: Predicting Social Perceptions of Faces</i>	1096
Amanda Song, Li Linjie, Chad Atalla, Gary Cottrell	
<i>A Rational Approach to Stereotype Change</i>	1102
Jake Spicer, Adam Sanborn	
<i>Population size, learning, and innovation determine linguistic complexity</i>	1108
Matthew Spike	
<i>A rational analysis of marketing strategies</i>	1114
Nisheeth Srivastava, Ed Vul	

<i>Spatial language promotes cross-domain associations in early childhood</i>	1120
Ariel Starr, Mahesh Srinivasan	
<i>Preemption in Singular Causation Judgments: A Computational Model</i>	1126
Simon Stephan, Michael Waldmann	
<i>Marbles in Inaction: Counterfactual Simulation and Causation by Omission</i>	1132
Simon Stephan, Pascale Willemsen, Tobias Gerstenberg	
<i>A Two-Step Signal Detection Model of Belief Bias</i>	1138
Rachel Stephens, John Dunn, Brett Hayes	
<i>Rational use of prosody predicts projection in manner adverb utterances</i>	1144
Jon Stevens, Marie-Catherine de Marneffe, Shari Speer, Judith Tonhauser	
<i>A Common Neural Component for Finger Gnosis and Magnitude Comparison</i>	1150
Terrence Stewart, Marcie Penner-Wilger, Rylan Waring, Michael Anderson	
<i>Flexible integration of a navigable, clustered environment</i>	1156
Marianne Strickrodt, Heinrich H. Bülthoff, Tobias Meilinger	
<i>The Semantic Spaces of Child-Directed Speech, Child Speech and Adult-directed Speech: A Manifold Perspective</i>	1157
Hao Sun, John Pate	
<i>¿From Abstract to Concrete? Evidence for designing learning platforms that adapt to user's proficiencies.</i>	1163
Michael I. Swart, Sorachai Kornkasem, Nirmaliz Colon-Acosta, Amy Hachigian, Jonathan M. Vitale, John B. Black	
<i>Supporting Low-Performing Students by Manipulating Self-efficacy in Digital Tutees</i>	1169
Betty Tärning, Magnus Haake, Agneta Gulz	
<i>The impact of practice frequency on learning and retention</i>	1175
Caitlin Tenison, John Anderson	
<i>Warm (for winter): Comparison class understanding in vague language</i>	1181
Michael Henry Tessler, Michael Lopez-Brau, Noah Goodman	
<i>Neural and computational arguments for memory as a compressed supported timeline</i>	1187
Zoran Tiganj, Karthik Shankar, Marc Howard	
<i>Picturing time: Children's preferences for visual representations of events</i>	1193
Katharine Tillman, Eren Fukuda, David Barner	
<i>Computational Exploration of Lexical Development in Down Syndrome</i>	1199
Angel Tovar, Gert Westermann	
<i>The temporal dynamics of base rate neglect: People may not be intuitive statisticians after all</i> ..	1205
Eoin Travers, Jonathan J. Rolison, Aidan Feeney	
<i>Promoting Spontaneous Analogical Transfer by Idealizing Target Representations</i>	1206
Máximo Trench, Lucía Micaela Tavernini, Robert L. Goldstone	
<i>It's all in your head: Effects of expertise on real-time access to knowledge during written sentence processing</i>	1212
Melissa Troyer, Marta Kutas	

<i>Inhibitory Control Supports Referential Context Use in Language Production and Comprehension</i>	1218
Alison Trude, Nazbanou Nozari	
<i>A Dynamic Process Model for Predicting Workload in an Air Traffic Controller Task</i>	1224
Martina Truschzinski, Maria Wirzberger	
<i>The Dynamics of Selective Integration during Rapid Experiential Decisions</i>	1230
Konstantinos Tsetsos	
<i>Cake or Hat? Words Change How Young Children Process Visual Objects</i>	1236
Catarina Vales, Linda Smith	
<i>Looking for the Cat and Seeing the Dog: Using Visual Search to Study Semantic Knowledge in Children</i>	1242
Catarina Vales, Layla Unger, Anna Fisher	
<i>Interactivity and Ego Depletion in Insight Problem Solving</i>	1248
Frederic Vallee-Tourangeau	
<i>A computational model for decision tree search</i>	1254
Bas van Opheusden, Gianni Galbiati, Zahy Bnaya, Yunqi Li, Wei Ji Ma	
<i>Approximations of Predictive Entropy Correlate with Reading Times</i>	1260
Marten van Schijndel, William Schuler	
<i>The Development of Structural Thinking about Social Categories</i>	1266
Nadya Vasilyeva, Alison Gopnik, Tania Lombrozo	
<i>The statistical significance filter leads to overconfident expectations of replicability</i>	1272
Shravan Vasisht, Andrew Gelman	
<i>Modelling dependency completion in sentence comprehension as a Bayesian hierarchical mixture process: A case study involving Chinese relative clauses</i>	1278
Shravan Vasisht, Nicolas Chopin, Robin Ryder, Bruno Nicenboim	
<i>Interpreting actions by attributing compositional desires</i>	1284
Joey Velez-Ginorio, Max H. Siegel, Joshua B. Tenenbaum, Julian Jara-Ettinger	
<i>Non-Symbolic Exact Quantity Representation in a Language Impaired Population</i>	1290
John Verbos, Sarah Wallace, Alexander Kranjec	
<i>Audiovisual integration is affected by performing a task jointly</i>	1296
Basil Wahn, Ashima Keshava, Scott Sinnett, Alan Kingstone, Peter König	
<i>More than meets the eye: Early relational reasoning cannot be reduced to perceptual heuristics</i> .	1302
Caren Walker, Alison Gopnik	
<i>Simultaneous acquisition of vocabulary and grammar in an artificial language learning task</i>	1307
Neil Walker, Christine Schoetensack, Padraic Monaghan, Patrick Rebuschat	
<i>Please Explain: Radical Enactivism's Explanatory Debt</i>	1313
Lachlan Walmsley	
<i>Learning to reinforcement learn</i>	1319
Jane Wang, Zeb Kurth-Nelson, Hubert Soyer, Joel Leibo, Dhruva Tirumala, Remi Munos, Charles Blundell, Dharshan Kumaran, Matt Botvinick	

<i>The Learning of Subordinate Word Meanings</i>	1320
Hao Wang, Lila Gleitman, John Trueswell	
<i>Anticipatory Synchronization in Artificial Agents</i>	1321
Auriel Washburn, Rachel Kallen, Maurice Lamb, Nigel Stepp, Kevin Shockley, Michael Richardson	
<i>Structure Learning in Motor Control: A Deep Reinforcement Learning Model</i>	1327
Ari Weinstein, Matthew Botvinick	
<i>Children's intuitions about the structure of mental life</i>	1333
Kara Weisman, Carol Dweck, Ellen Markman	
<i>The Effect of expertise and biscriptalism on letter perception: The complexity benefit</i>	1339
Robert Wiley, Brenda Rapp	
<i>Examining Multiscale Movement Coordination in Collaborative Problem Solving</i>	1345
Travis J. Wiltshire, Sune Vork Steffensen	
<i>A Computational Model for Constructing Preferences for Multiple Choice Options</i>	1351
Lena M. Wollschlaeger, Adele Diederich	
<i>Mapping the unknown: The spatially correlated multi-armed bandit</i>	1357
Charley M. Wu, Eric Schulz, Maarten Speekenbrink, Jonathan D. Nelson, Björn Meder	
<i>What do you really think? Children's ability to infer others' desires when emotional expressions change between social and nonsocial contexts</i>	1363
Yang Wu, Laura Schulz	
<i>Discovering Multicausality in the Development of Coordinated Behavior</i>	1369
Tian Linger Xu, Drew H. Abney, Chen Yu	
<i>Unifying recommendation and active learning for human-algorithm interactions</i>	1375
Scott Cheng-Hsin Yang, Jake Alden Whritner, Olfa Nasraoui, Patrick Shafto	
<i>A non-parametric Bayesian prior for causal inference of auditory streaming</i>	1381
Tim Yates, Nathanael Larigaldie, Ulrik Beierholm	
<i>Perceived similarity mediates violations of independence in probabilistic judgments</i>	1387
James Yearsley, Daier Yuan, Jennifer Trueblood	
<i>Causal and compositional generative models in online perception</i>	1393
Ilker Yildirim, Michael Janner, Mario Belledonne, Christian Wallraven, Winrich Freiwald, Josh Tenenbaum	
<i>Individual Differences in Gaze Dynamics in Risky Decision-making</i>	1394
Siyuan Yin, Jennifer Trueblood	
<i>Novel Evidence for the Bilingual Advantage: Effects of Language Control on Executive Function in Balanced and Unbalanced Dual-Language Users</i>	1400
W. Quin Yow, Adam C. Oei, Xiaoqian Li	
<i>Inconvenient samples: Modeling the effects of non-consent by coupling observational and experimental results</i>	1406
Yue Yu, Elizabeth Bonawitz, Patrick Shafto	

<i>Seeing Is Not Enough for Sustained Visual Attention</i>	1412
Lei Yuan, Tian Linger Xu, Chen Yu, Linda Smith	
<i>Mindshaping the world can make mindreading tractable: Bridging the gap between philosophy and computational complexity analysis</i>	1418
Andrea Zeppi, Mark Blokpoel	
<i>Using mouse-tracking data to visualise decision landscapes</i>	1424
Arkady Zgonnikov, Andrea Aleni, Petri Piironen, Denis O'Hora	
<i>Insomniacs Misidentify Angry Faces as Fearful Faces Because of Missing the Eyes: an Eye-Tracking Study</i>	1430
Jinxiao Zhang, Antoni B. Chan, Esther E.y. Lau, Janet H. Hsiao	
<i>Low Dimensional Representations in Multi-Cue Judgement</i>	1436
Joyce Wenjia Zhao, Sudeep Bhatia, Clinton Davis-Stober	

Talks: Publication-Based

<i>Using single unit recordings in PDP and localist models to better understand how knowledge is coded in the cortex</i>	1442
Jeffrey Bowers	
<i>Interoception: The Forgotten Modality in Perceptual Grounding of Concepts</i>	1444
Louise Connell, Dermot Lynott, James Carney	
<i>Tracking Meaning Change Over Time: A Dynamic Field Theory Model</i>	1445
Kenny Coventry, Harmen Gudde, Holger Schultheis	
<i>Converging Evidence for Abstract Phonological Knowledge in Speech Processing</i>	1447
Anne Cutler	
<i>Analogy and Episodic Memory to Support Domain Learning in a Cognitive Architecture: An Exploration</i>	1449
Kenneth Forbus	
<i>Non-syntactic Processing Explains Cortical Entrainment During Speech Perception</i>	1451
Stefan Frank, Jin-Biao Yang	
<i>Comparative analysis of visual category learning</i>	1453
John Freeman, Matthew Broschard, Jangjin Kim, Leyre Castro, Edward Wasserman, Vladimir Sloutsky	
<i>Cognitive mechanisms for imitation and the detection of imitation in human dyadic interactions</i>	1455
Antonia Hamilton	
<i>Deep Networks as Models of Human and Animal Categorization</i>	1457
Bradley Love, Olivia Guest, Piotr Slomka, Victor Navarro, Edward Wasserman	
<i>A Unified Model of Entropy and the Value of Information</i>	1459
Jonathan D. Nelson, Vincenzo Crupi, Björn Meder, Gustavo Cevolani, Katya Tentori	
<i>What the Shape and Material Biases Can Tell Us About Object Recognition</i>	1461
Lynn Perry	
<i>The role of learning mechanisms in understanding spoken words</i>	1463
Jennifer Rodd, Rebecca Gilbert, Hannah Betts	

<i>Far Transfer: Does it Exist?</i>	1465
Giovanni Sala, Fernand Gobet	
<i>Scientific Sensemaking: A Critical Resource for Science Learning in School</i>	1467
Christian Schunn	
<i>Unsupervised Learning in an Animal Model</i>	1469
Edward Wasserman, Leyre Castro, Vladimir Sloutsky	
Posters: Papers	
<i>The effects of gesture restriction on spatial language in young and elderly adults</i>	1471
Demet Özer, Merve Tansan, Ege Ekin Özer, Katsiaryna Malykhina, Anjan Chatterjee, Tilbe Göksun	
<i>The Effects of Duration Words and Spatial-Temporal Metaphors on Perceived Duration</i>	1477
Demet Özer, Alexander Kranjec, Fuat Balci, Tilbe Göksun	
<i>Action and actor gaze mismatch effects during spoken sentence processing</i>	1483
Dato Abashidze, Pia Knoeferle	
<i>It's Time: Quantifying the Relevant Timescales for Joint Attention</i>	1489
Drew Abney, Linda Smith, Chen Yu	
<i>The Role of Letter Frequency on Eye Movements in Sentential Pseudoword Reading</i>	1495
Cengiz Acartürk, Özkan Kılıç, Bilal Kırkıcı, Burcu Can, Ayşegül Özkan	
<i>Children's Familiarity Preference in Self-directed Study Improves Recognition Memory</i>	1501
Katherine Adams, George Kachergis, Doug Markant	
<i>From Words to Sentences & Back: Characterizing Context-dependent Meaning Representations in the Brain</i>	1507
Nora E Aguirre-Celis, Manuel Valenzuela-Rendon, Risto Miikkulainen	
<i>The Influence of Pop-Culture on Misattribution of Memory</i>	1513
Daljit Ahluwalia, Pernille Hemmer, Kimele Persaud	
<i>A Computational Model for Reasoning About the Paper Folding Task Using Visual Mental Images</i>	1519
James Ainooson, Maithilee Kunda	
<i>Legal HARKing: theoretical grounding in interaction research</i>	1525
Saul Albert, J.p. De Ruiter	
<i>Segmentation as Retention and Recognition: the R&R model</i>	1531
Raquel G. Alhama, Willem Zuidema	
<i>Phonological features in the bilingual lexicon: Insights from tonal accent in Swedish</i>	1537
Nadja Althaus, Allison Wetterlin, Aditi Lahiri	
<i>Semantic Networks Generated from Early Linguistic Input</i>	1538
Andrei Amatuni, Erika Bergelson	
<i>Analogical Abstraction in Three-Month-Olds</i>	1544
Erin Anderson, Yin-Juei Chang, Susan Hespos, Dedre Gentner	

<i>A Preliminary P-Curve Meta-Analysis of Learned Categorical Perception Research</i>	1550
Janet Andrews, Joshua de Leeuw, Calais Larson, Xiaoqing Xu	
<i>Reading Skill Test to Diagnose Basic Language Skills in Comparison to Machines</i>	1556
Noriko Arai, Naoya Todo, Teiko Arai, Kyosuke Bunji, Shingo Sugawara, Miwa Inuzuka, Takuya Matsuzaki, Koken Ozaki	
<i>Perception Meets Examination: Studying Deceptive Behaviors in VR</i>	1562
Carla Aravena, Mark Vo, Tao Gao, Takaaki Shiratori, Lap-Fai Yu	
<i>Against the group actor assumption in joint action research</i>	1568
Ed Baggs, Ed Baggs	
<i>Towards Automated Classification of Emotional Facial Expressions</i>	1574
Lewis Baker, Vanessa Lobue, Elizabeth Bonawitz, Patrick Shafto	
<i>Reasons and the "Motivated Reasoning Effect"</i>	1580
Cristina Ballarini, Steven Sloman	
<i>Belief Updating and Argument Evaluation</i>	1586
Megan D. Bardolph, Seana Coulson	
<i>The impact of the Digital Age in Moral Judgments</i>	1592
Albert Barque-Duran, Emmanuel Pothos, James Yearsley, James Hampton	
<i>Exploring Functions of Working Memory Related to Fluid Intelligence: Coordination and Relational Integration</i>	1598
Joel Edward Bateman, Damian Patrick Birney, Vanessa Loh	
<i>How Order of Label Presentation Impacts Semantic Processing: an ERP Study</i>	1604
Jelena Batinic, Andrej Savic, Vanja Kovic	
<i>The Relationship Between Executive Functions and Science Achievement</i>	1610
Drake Bauer, Sashank Varma, Keisha Varma, Martin Van Boekel, Alyssa Worley, Jean-Baptiste Quillien, Tayler Loiselle, Purav Patel	
<i>Contrasts in reasoning about omissions</i>	1611
Paul Bello, Christina Wasylyshyn, Gordon Briggs, Sangeet Khemlani	
<i>Representing time in terms of space: Directions of mental timelines in Norwegian</i>	1617
Andrea Bender, Kristin Sjøfjell, Annelie Rothe-Wulf, Sieghard Beller	
<i>A Bayesian model of knowledge and metacognitive control: Applications to opt-in tasks</i>	1623
Stephen Bennett, Aaron Benjamin, Mark Steyvers	
<i>Modality Switch Effects Emerge Early and Increase throughout Conceptual Processing: Evidence from ERPs</i>	1629
Pablo Bernabeu, Roel Willems, Max Louwerse	
<i>Object Representation in Multiattribute Choice</i>	1635
Sudeep Bhatia, Neil Stewart	
<i>The Interactive Shaping of Social Learning in Transmission Chains</i>	1641
Lucas Bietti, Adrian Bangerter, Eric Mayor	

<i>Language Modality Affects Responses in Left IFG during Processing of Semantically Ambiguous Sentences</i>	1647
Lena M. Blott, Jennifer M. Rodd, Jane E. Warren	
<i>Generalized Representation of Syntactic Structures</i>	1648
Reihane Boghrati, Kate Johnson, Morteza Dehghani	
<i>Context reduces coercion costs - Evidence from eyetracking during reading</i>	1654
Oliver Bott	
<i>The Structure of Goal Systems Predicts Human Performance</i>	1660
David Bourgin, Falk Lieder, Daniel Reichman, Nimrod Talmon, Tom Griffiths	
<i>The Effects of Autonomy on Emotions and Learning in Game-Based Learning Environments</i> ..	1666
Amanda Bradbury, Michelle Taub, Roger Azevedo	
<i>A Computational Model of the Role of Attention in Subitizing and Enumeration</i>	1672
Gordon Briggs, Will Bridewell, Paul Bello	
<i>Effects of transmission perturbation in the cultural evolution of language</i>	1678
Thomas Brochhagen, Michael Franke	
<i>Does banana spontaneously activate yellow color? Color-related concepts help with color discrimination</i>	1684
Lionel Brunel, Philippe Servajean, Loic Hurley, Nicolas Vermeulen	
<i>Recursion in Children's Comprehension and Formulation of Algorithms</i>	1690
Monica Bucciarelli, Robert Mackiewicz, Sangeet Khemlani, Philip Johnson-Laird	
<i>Is Structural Priming in Children Facilitated by Interactions between Animacy and Syntax?</i>	1691
Leone Buckle, Anna Theakston, Elena Lieven	
<i>Equiprobability principle or "no change" principle? Examining reasoning in the Monty Hall Dilemma using unequal probabilities</i>	1697
Bruce Burns	
<i>Discovering simple heuristics from mental simulation</i>	1703
Frederick Callaway, Jessica Hamrick, Tom Griffiths	
<i>Fast and Easy: Approximating Uniform Information Density in Language Production</i>	1709
Jesus Calvillo	
<i>Learning to Learn Visual Object Categories by Integrating Deep Learning with Hierarchical Bayes</i>	1715
Andres Campero, Andrew Francl, Joshua B. Tenenbaum	
<i>The paradox of relational development is not universal: Abstract reasoning develops differently across cultures</i>	1721
Alexandra Carstensen, Caren Walker	
<i>Grammar-Based and Lexicon-Based Techniques to Extract Personality Traits from Text</i>	1727
Maira B. Carvalho, Max M. Louwerse	
<i>Decomposability and Frequency in the Hindi/Urdu Number System</i>	1733
Chundra Cathcart	

<i>Is the relative distribution of verbs and nouns modulated by socio-cultural influences? Evidence from bilingual infants and toddlers in Malaysia.</i>	1739
Jun Ho Chai, Hui Min Low, Tze Peng Wong, Julien Mayor	
<i>Exploring the relations between oral language and reading instruction in a computational model of reading</i>	1740
Ya-Ning Chang, J. S. H. Taylor, Kathleen Rastle, Padraic Monaghan	
<i>Evaluating vector-space models of analogy</i>	1746
Dawn Chen, Joshua Peterson, Tom Griffiths	
<i>Anticipation Effect after Implicit Distributional Learning</i>	1752
Danlei Chen, Carol Jew, Benjamin Zinszer, Rajeev Raizada	
<i>Analytic knowledge for constructing useable empirical causal knowledge: Two experiments on preschoolers</i>	1758
Patricia Cheng, Mimi Liljeholm, Catherine Sandhofer	
<i>The relationship between fairness, cognitive control, and numerical encoding</i>	1764
Nadia Chernyak, Peter Blake	
<i>Risky Decision Making for Medications: Age and Social Influence Effects</i>	1770
Amy Wing-Lam Chong, Michael Bixter, Wendy Rogers	
<i>Finding Creative New Ideas: Human-Centric Mindset Overshadows Mind-Wandering</i>	1776
Yung-Yi Juliet Chou, Barbara Tversky	
<i>Transcranial Direct Current Stimulation (tDCS) and the Face Inversion Effect: Anodal stimulation at Fp3 reduces recognition for upright faces</i>	1782
Ciro Civile, Sukhvinder Obhi, Ipl McLaren	
<i>Beliefs about sparsity affect causal experimentation</i>	1788
Anna Coenen, Neil Bramley, Azzurra Ruggeri, Todd Gureckis	
<i>Path salience in motion events from verbal and visual languages</i>	1794
Neil Cohn, Vivian Wong, Kaitlin Pederson, Ryan Taylor	
<i>Using Prior Data to Inform Initial Performance Predictions of Individual Students</i>	1800
Michael Collins, Kevin Gluck, Matthew Walsh, Michael Krusmark	
<i>Determinants of judgments of explanatory power: Credibility, Generalizability, and Causal Framing</i>	1806
Matteo Colombo, Leandra Bucher, Jan Sprenger	
<i>PACKER: An Exemplar Model of Category Generation</i>	1812
Nolan Conaway, Joseph Austerweil	
<i>Opening Up and Closing Down Discussion: Experimenting with Epistemic Status in Conversation</i>	1818
Shauna Concannon, Patrick Healey, Matthew Purver	
<i>But where's the evidence? The effect of explanatory corrections on inferences about false information</i>	1824
Saoirse Connor Desai, Stian Reimers	

<i>Learning Relational Concepts through Unitary versus Compositional Representations</i>	1830
Daniel Corral, Matt Jones	
<i>They Know as Much as We Do: Knowledge Estimation and Partner Modelling of Artificial Partners</i>	1836
Benjamin R. Cowan, Holly Branigan, Habiba Begum, Lucy McKenna, Eva Szekely	
<i>Folk Attributions of Control and Intentionality Over Mental States</i>	1842
Corey Cusimano, Geoffrey Goodwin	
<i>Judgment Before Emotion: People Access Moral Evaluations Faster than Affective States</i>	1848
Corey Cusimano, Stuti Thapa Magar, Bertram Malle	
<i>The Lego hands: changing the affording location of graspable objects</i>	1854
Fabrice Da Silva, Lionel Brunel	
<i>People toss coins with more vigor when the stakes are higher</i>	1860
Gregory Dam	
<i>Perspective-Taking in Referential Communication: Does Stimulated Attention to Addressee's Perspective Influence Speakers' Reference Production?</i>	1866
Debby Damen, Per van der Wijst, Marije van Amelsvoort, Emiel Krahmer	
<i>Sex-Dependent Effects of Emotional Subliminal Visual Stimuli on a Decision-Making Task</i>	1872
Christopher Dancy, Frank Ritter, Frank Hillary, Kevin Voller	
<i>Novice to Expert continuum may affect System Response Time</i>	1878
Arindam Das, Olivia Das	
<i>Modeling Comprehension Processes via Automated Analyses of Dialogism</i>	1884
Mihai Dascalu, Laura Allen, Danielle McNamara, Stefan Trausan-Matu, Scott Crossley	
<i>Amortized Hypothesis Generation</i>	1890
Ishita Dasgupta, Eric Schulz, Noah D. Goodman, Samuel J. Gershman	
<i>The Causal Sampler: A Sampling Approach to Causal Representation, Reasoning, and Learning</i>	1896
Zachary Davis, Bob Rehder	
<i>Understanding The Role of Perception in the Evolution of Human Language</i>	1902
Isaac Davis	
<i>Leaping across the mental canyon: Analogical retrieval across disparate task domains</i>	1908
Shir Dekel, Bruce Burns, Micah Goldwater	
<i>Conversational topic connectedness predicted by Simplicity Theory</i>	1914
Jean-Louis Dessalles	
<i>The Cognitive Architecture of Recursion: Behavioral and fMRI Evidence from the Visual, Musical and Motor Domains</i>	1920
Mauricio de Jesus Dias Martins	
<i>The Temporal Cheerleader Effect: Attractiveness Judgments Depend on Surrounding Faces Through Time</i>	1925
Alexia Toskos Dils, Scott Niedopytalski, Jeffrey Arroyo, Stephen Flusberg	
<i>Architectural process models of decision making: Towards a model database</i>	1931
Cvetomir Dimov, Julian Marewski, Lael Schooler	

<i>Talking to Ourselves to Engage Control? Testing Developmental Relations Between Self-directed Speech, Cognitive Control and Talkativeness</i>	1937
Sabine Doebel, Yuko Munakata	
<i>The Interplay Between Self-evaluation, Goal Orientation, and Self-efficacy on Performance and Learning</i>	1943
Kit Double, Damian Birney	
<i>It's not just what we say, it's how we move: An examination of postural activity during a disclosure event</i>	1949
Hannah M. Douglas, Stacie Furst-Holloway, Michael J. Richardson, Rachel W. Kallen	
<i>A theory of the detection and learning of structured representations of similarity and relative magnitude</i>	1955
Alex Doumas, Aaron Hamer, Guillermo Puebla-Ramirez, Andrea Martin	
<i>Co-ordinating Non-mutual Realities: The Asymmetric Impact of Delay on Video-Mediated Music Lessons</i>	1961
Sam Duffy, Patrick Healey	
<i>When Do Vehicles of Similes Become Figurative? Gaze Patterns Show that Similes and Metaphors are Initially Processed Differently</i>	1967
Frank Durgin, Rebekah Gelpi	
<i>Representing the Richness of Linguistic Structure in Models of Episodic Memory</i>	1973
Melody Dye, Michael Ramscar, Michael Jones	
<i>Due process in dual process: A model-recovery analysis of Smith et al. (2014)</i>	1979
Charlotte Edmunds, Andy Wills, Fraser Milton	
<i>Experimental Investigation into the Continuous Pattern of the Relationship Between Color Focality and Short-Term Memory Performance for Colors</i>	1985
Siyuan Fang, Tatsunori Matsui	
<i>Deconstructing Social Interaction: The Complimentary Roles of Behaviour Alignment and Partner Feedback to the Creation of Shared Symbols</i>	1991
Nicolas Fay, Bradley Walker, Nik Swoboda	
<i>A Neural Network Model for Taxonomic Responding with Realistic Visual Inputs</i>	1997
Giorgia Fenoglio, Roberto Esposito, Valentina Gliozzi	
<i>How Many People Know? Representing the Distribution of Knowledge</i>	2003
Stanka Fitneva	
<i>The Effects of Shared Storybook Reading on Word Learning: A Meta-Analysis</i>	2006
Zoe Flack, Andy Field, Jessica Horst	
<i>Children Learn Words Better From One Storybook Illustration at a Time</i>	2007
Zoe Flack, Jessica Horst	
<i>A Unified Model of Speech and Tool Use Early Development</i>	2013
Sébastien Forestier, Pierre-Yves Oudeyer	
<i>What counts as math? Relating conceptions of math with anxiety about math</i>	2019
Ruthe Foushee, Rachel Jansen, Mahesh Srinivasan	

<i>After braking comes hastening: reversed effects of indirect associations in 2nd and 4th graders ...</i>	2025
Nicole Franke, André Rölke, Ralph R. Radach, Markus J. Hofmann	
<i>TRACX2: a RAAM-like autoencoder modeling graded chunking in infant visual-sequence learning</i>	2031
Robert M. French, Denis Mareschal	
<i>Risk, Cognitive Control, and Adolescence. Challenging the Dual Systems Model</i>	2037
Joanna Fryt, Tomasz Smolen, Karolina Czernecka, Amelia La Torre, Monika Szczygieł	
<i>On an effective and efficient method for exploiting “wisdom of crowds in one mind”</i>	2043
Itsuki Fujisaki, Hidehito Honda, Kazuhiro Ueda	
<i>Experimental Investigation on Top-down and Bottom-up Processing in Graph Comprehension and Decision</i>	2049
Misa Fukuoka, Kazuhisa Miwa, Akihiro Maehigashi	
<i>Measures and mechanisms of common ground: backchannels, conversational repair, and interactive alignment in free and task-oriented social interactions</i>	2055
Riccardo Fusaroli, Kristian Tylén, Katrine Garly, Jakob Steensig, Morten Christiansen, Mark Dingemanse	
<i>How do speakers coordinate planning and articulation? Evidence from gaze-speech lags.</i>	2061
Chiara Gambi, Matthew Crocker	
<i>Automated Generation of Cognitive Ontology via Web Text-Mining</i>	2067
Richard Gao, Thomas Donoghue, Bradley Voytek	
<i>“If It Matters, I Can Explain It”: Social Desirability of Knowledge Increases the Illusion of Explanatory Depth</i>	2073
Christian Gaviria, Javier Alejandro Corredor, Zadkiel Zuluaga-Rendón	
<i>Reasoning with fundamental rights</i>	2079
Lupita Estefania Gazzo Castaneda, Antje Stemmler, Markus Knauff	
<i>The Pragmatic Parliament: A Framework for Socially-Appropriate Utterance Selection in Artificial Agents</i>	2085
Felix Gervits, Gordon Briggs, Matthias Scheutz	
<i>A Two-Stage Model of Solving Arithmetic Problems</i>	2091
Vladimir Glebkin, Alexander Kovtunenkov, Ekaterina Krysova	
<i>Discourse Acquisition in ‘Pear Stories’ of Preschool-aged Children</i>	2096
Vladimir Glebkin, Nikita Safronov, Varvara Sonina	
<i>Inductive reasoning influences perception of interspecies disease transmission risk</i>	2102
Micah Goldwater, Molly Ireland, Nick Gaylord, Jason Van Allan, Tyler Davis	
<i>High-Performing Readers Underestimate Their Text Comprehension: Artifact or Psychological Reality?</i>	2108
Stefanie Golke, Jörg Wittwer	
<i>Computational modeling of auditory spatial attention</i>	2114
Edward Golob, K. Brent Venable, Jaelle Scheuerman, Maxwell Anderson	

<i>Recruitment of the motor system in the perception of handwritten and typed characters</i>	2120
Chelsea Gordon, Ramesh Balasubramaniam	
<i>A Spiking Independent Accumulator Model for Winner-Take-All Computation</i>	2125
Jan Gosmann, Aaron Voelker, Chris Eliasmith	
<i>Folk intuitions about consciousness</i>	2131
Katharina Graben, Kai Hamburger, Markus Knauff	
<i>Pragmatic aspects of spatial language acquisition and use across languages</i>	2132
Myrto Grigoroglou, Megan Johanson, Anna Papafragou	
<i>Cognitive style predicts magical beliefs</i>	2138
Giorgio Gronchi, Jeffrey Zemla, Marco Brondi	
<i>Stopping Rules in Information Acquisition at Varying Probabilities and Consequences: an EEG Study</i>	2144
Roberto Guedes de Nonohay, Gustavo Gauer, Richard Gonzalez, Guilherme Lanning	
<i>Solving additive word problems: Intuitive strategies make the difference</i>	2150
Katarina Gvozdic, Emmanuel Sander	
<i>Age differences in language comprehension during driving: Recovery from prediction errors is more effortful for older adults</i>	2156
Katja Häuser, Vera Demberg, Jutta Kray	
<i>Asymmetric detection of changes in volatility: Implications for risk perception</i>	2162
Nigel Harvey, Matt Twyman, Maarten Speekenbrink	
<i>Compound effects of expectations and actual behaviors in human-agent interaction: Experimental investigation using the Ultimatum Game</i>	2168
Yugo Hayashi, Ryo Okada	
<i>The role of presentation order and orientation on information search and evaluations: An eye-tracking study</i>	2174
Claire Heard, Tim Rakow, Tom Foulsham	
<i>Risk and Rationality in Decisions to Commit Crime</i>	2180
Rebecca Helm, Valerie Reyna, Renee Williamson, Allison Franz	
<i>Planning in Action: Interactivity Improves Planning Performance</i>	2181
Emma Henderson, Gaelle Vallee-Tourangeau, Frederic Vallee-Tourangeau	
<i>Head and Heart Metaphors for Moral Decision Making: Conceptual or Communicative?</i>	2187
Rose K. Hendricks, Paul H. Thibodeau	
<i>When metaphors in the mind become metaphors in the mouth: Documenting the emergence of a new system of linguistic metaphors for time</i>	2193
Rose Hendricks, Tyler Marghetis, Benjamin Bergen	
<i>Boosting Knowledge-Building with Cognitive Dialog Games</i>	2199
Jonathan Herberg, Ilker Yengin, Praveena Satkunarajah, Margaret Tan	
<i>Leveraging mutual exclusivity for faster cross-situational word learning: A theoretical analysis</i> .	2205
Shohei Hidaka, Takuma Torii, George Kachergis	

<i>Perceptions of Psychological Momentum in Basketball</i>	2211
Thomas Hilbig, Matthew Welsh, Paul Delfabbro	
<i>Translating a Reinforcement Learning Task into a Computational Psychiatry Assay: Challenges and Strategies</i>	2217
Peter Hitchcock, Yael Niv, Angela Radulescu, Chris Sims	
<i>The Meanings of Morality: Investigating the psychometric properties of distributed representations of latent moral concepts</i>	2223
Joe Hoover, Katie Horton, Morteza Dehghani	
<i>Probability judgement from samples: accurate estimates and the conjunction fallacy</i>	2224
Rita Howe, Fintan Costello	
<i>Disfluencies in dialogues with patients with schizophrenia</i>	2230
Christine Howes, Mary Lavelle, Patrick Healey, Julian Hough, Rose McCabe	
<i>Moral Action Changes Mind Perception for Human and Artificial Moral Agents</i>	2236
Evgeniya Hristova, Maurice Grinberg	
<i>Reconsideration on Linking Eye-movement Data with Argument Realization</i>	2242
Yujing Huang, Laine Stranahan, Jesse Snedeker	
<i>A New Model of Statistical Learning: Trajectories Through Perceptual Similarity Space</i>	2243
Elizabeth A. Hutton, Felix Hao Wang, Jason D. Zevin	
<i>The role of prior knowledge and expertise on choice of referring expression</i>	2249
Alyssa Ibarra, Jeffery Runner, Michael Tanenhaus	
<i>Beyond Almost-Sure Termination</i>	2255
Thomas Icard	
<i>The Influence of Speaker's Gaze on Sentence Comprehension: An ERP Investigation</i>	2261
Torsten Jachmann, Heiner Drenhaus, Maria Staudte, Matthew Crocker	
<i>In search for the relevant space of implicit memory deficit in dyslexia</i>	2267
Sagi Jaffe-Dax, Merav Ahissar	
<i>Cognition Influencing Auditory Perception in SLD Children: Revisiting the Models of Auditory Processing</i>	2273
Saransh Jain, N.p. Nataraja	
<i>Failure to use probability of success in deciding whether to pursue one goal or two.</i>	2279
Warren James, Alasdair Clarke, Amelia Hunt	
<i>Algebra is not like trivia: Evaluating self-assessment in an online math tutor</i>	2284
Rachel Jansen, Anna Rafferty, Tom Griffiths	
<i>Reasoning ability predicts irrational worldview but not conspiracy belief</i>	2290
Jan Jastrzebski, Adam Chuderski	
<i>The Motor System Does Not Use a Curvilinear Impetus Belief: Folk Physics and Embodied Cognition</i>	2296
Jay Jennings, Jim Davies	

<i>Network Analysis of a Large Sample of Typical and Late Talkers</i>	2302
Eva Jimenez, Thomas Hills	
<i>Spatial language: Meaning, use, and lexical choice</i>	2308
Kristen Johannes, Barbara Landau	
<i>Belief Digitization in Economic Prediction</i>	2314
Samuel Johnson, Faith Hill	
<i>Measuring Abstract Mindsets through Syntax: Improvements in Automating the Linguistic Category Model</i>	2320
Kate M. Johnson, Reihane Boghrati, Cheryl Waksalak, Morteza Dehghani	
<i>Iconicity in Word Learning: What Can We Learn from Cross-Situational Learning Experiments?</i>	2321
Matthew Jones, Gabriella Vigliocco	
<i>Mindfulness and Fear Conditioning</i>	2327
Fergal Jones, Rossy McLaren, Ipl McLaren	
<i>A Study on the Impact of Chess Training on Creativity of Indian School Children</i>	2333
Ebenezer Joseph, Sundar Manoharan, Veena Easvaradoss, David Chandran. E	
<i>Document Similarity Misjudgment by LSA: Misses vs. False Positives</i>	2338
Kyung Hun Jung, Eric Ruthruff, Timothy Goldsmith	
<i>"The Polar Express" is Bipolar: Critical Film Reviews Influence Uncanny Valley Phenomenon in Animation Films</i>	2344
Jari Kättsyri	
<i>Self-other distinction in the motor system during social interaction: A computational model based on predictive processing</i>	2350
Sebastian Kahl, Stefan Kopp	
<i>A transfer advantage of learning diagrammatic representations of mathematics</i>	2356
Jennifer Kaminski	
<i>Gricean epistemic reasoning in 4-year-olds</i>	2362
Alyssa Kampa, Anna Papafragou	
<i>A Hebbian account of entrenchment and (over)-extension in language learning</i>	2366
Vsevolod Kapatsinski, Zara Harmon	
<i>Effects of Delayed Language Exposure on Spatial Language Acquisition by Signing Children and Adults</i>	2372
Dilay Z. Karadöller, Beyza Sumer, Asli Ozyurek	
<i>A Meta-Analysis of the Joint Simon Effect</i>	2377
April Karlinsky, Keith Lohse, Melanie Lam	
<i>A toolbox of methods for probabilistic inference</i>	2383
Charles Kemp, Caleb Eddy	
<i>The Narrow Conception of Computational Psychology</i>	2389
Luke Kersten	

<i>Resolving Two Tensions in 4E Cognition Using Wide Computationalism</i>	2395
Luke Kersten, Joe Dewhurst, George Deane	
<i>Processing Spatial Relations: A Meta-Analysis</i>	2401
Ann-Kathrin Kießner, Marco Ragni	
<i>Decoding Virtual Agent's Emotion and Strategy from Brain Patterns</i>	2407
Eunkyung Kim, Sarah Gimbel, Aleksandra Litvinova, Jonas Kaplan, Morteza Dehghani	
<i>Decoding Partner Type in Human-Agent Negotiation using functional MRI</i>	2413
Eunkyung Kim, Jared Gilbert, Charlotte Horowitz, Jonathan Gratch, Jonas Kaplan, Morteza Dehghani	
<i>What Do We Learn from Dyslexia and Second Language Learners on the Difference Between Long-term Frequency and Short-term Sequence Repetition Effects?</i>	2419
Eva Kimel, Itay Lieder, Luba Daikhin, Hilla Jacoby, Atalia Hai Weiss, Merav Ahissar	
<i>"Oops, I did it again." The impact of frequent behaviour on causal judgement.</i>	2420
Lara Kirfel, David Lagnado	
<i>Variability in advice taking in decision making</i>	2426
Miho Kitamura, Katsumi Watanabe	
<i>Inner speech in post-stroke motor aphasia</i>	2432
Vanja Kljajevic, Estibaliz Ugarte Gómez, Cristina López, Yolanda Balboa Bandeira, Agustin Vicente	
<i>The Impact of Population Structure on Models of Language Change</i>	2438
Jordan Kodner, Christopher Cerezo Falco	
<i>Eye movements during reference production: Testing the effects of perceptual grouping on referential overspecification</i>	2439
Ruud Koolen, Yorick Fliervoet	
<i>Modelling conceptual change as foraging for explanations on an epistemic landscape</i>	2445
Ismo Koponen, Tommi Kokkonen	
<i>Action Understanding in High-Functioning Autism: The Faux Pas Task Revisited</i>	2451
Joanna Korman, Tiziana Zalla, Bertram Malle	
<i>Dependent Choices in Employee Selection: Modeling Choice Compensation and Consistency</i> ...	2457
Antonia Krefeld-Schwalb, Benjamin Scheibehenne, Jörg Rieskamp, Nicolas Berkowitsch	
<i>The Influence of Prosody and Case Marking on Thematic Role Assignment in Ambiguous Action Scenes: Adults versus Children</i>	2463
Julia Marina Kroeger, Katja Muenster, Pia Knoeferle	
<i>Enhancing metacognitive reinforcement learning using reward structures and feedback</i>	2469
Paul Krueger, Falk Lieder, Tom Griffiths	
<i>Thinking and Guessing: Bayesian and Empirical Models of How Humans Search</i>	2475
Marta Kryven, Tomer Ullman, William Cowan, Josh Tenenbaum	
<i>The Puzzle of Conditionals with True Clauses: Against the Gricean Account</i>	2476
Karolina Krzyzanowska, Peter Collins, Ulrike Hahn	

<i>Cascading effect of context and competition on novel word learning</i>	2482
Sarah Kucker, Aaron Bagley	
<i>Geometric Concept Acquisition in a Dueling Deep Q-Network</i>	2488
Alex Kuefler, Mykel J. Kochenderfer, James L. McClelland	
<i>Perceived Difficulty of Moral Dilemmas Depends on Their Causal Structure: A Formal Model and Preliminary Results</i>	2494
Barbara Kuhnert, Felix Lindner, Martin Bentzen, Marco Ragni	
<i>Communicative efficiency in language production and learning: Optional plural marking</i>	2500
Chigusa Kurumada, Scott Grimm	
<i>Behavioral Dynamics and Action Selection in a Joint Action Pick-and-Place Task</i>	2506
Maurice Lamb, Tamara Lorenz, Stephen Harrison, Rachel Kallen, Ali Minai, Michael Richardson	
<i>Analogies Emerge from Learning Dynamics in Neural Networks</i>	2512
Andrew Lampinen, Shaw Hsu, James L. McClelland	
<i>A Hierarchical Bayesian Model of Individual Differences in Memory for Emotional Expressions</i>	2518
David Landy, L. Elizabeth Crawford, Jonathan Corbin	
<i>Simulating performance in unconscious plagiarism</i>	2524
Nicholas Lange, Timothy Hollins	
<i>When do learned transformations influence similarity and categorization?</i>	2530
Steven Langsford, Andrew Hendrickson, Amy Perfors, Daniel Navarro	
<i>Preschoolers and Infants Calibrate Persistence from Adult Models</i>	2536
Julia Leonard, Max Kleiman-Weiner, Yuna Lee, Josh Tenenbaum, Laura Schulz	
<i>You can take a noun out of syntax...: Syntactic similarity effects in lexical priming</i>	2537
Nicholas Lester, Laurie Feldman, Fermin Moscoso del Prado Martin	
<i>How the Mind Exploits Risk-Reward Structures in Decisions under Risk</i>	2543
Christina Leuker, Timothy J. Pleskac, Thorsten Pachur, Ralph Hertwig	
<i>Semantic vector evaluation and human performance on a new vocabulary MCQ test</i>	2549
Joseph Levy, John Bullinaria, Samantha McCormick	
<i>“I’m Better than You at Labeling!”: Preschoolers Use Past Reliability when Accepting Unexpected Labels</i>	2555
Xiaoqian Li, W. Quin Yow	
<i>How does Music Reading Expertise Modulate Visual Processing of English Words? An ERP study</i>	2561
Tze Kwan Li, Hei Yan Veronica Chan, Luhe Li, Janet H. Hsiao	
<i>Metaphor congruent image schemas shape evaluative judgment: a cross-linguistic study of metaphors for economic change</i>	2567
Patricia Lichtenstein, Ekaterina Shutova	
<i>Keystroke Dynamics Predict Essay Quality</i>	2573
Aaron Likens, Laura Allen, Danielle McNamara	

<i>Visuomotor Adaptation and Sensory Recalibration in Reversed Hand Movement Task</i>	2579
Jenny Lin, Yixin Zhu, James Kubricht, Song-Chun Zhu, Hongjing Lu	
<i>The development of turn-taking: Pre-schoolers may predict what you will say, but they don't use those predictions to plan a reply.</i>	2585
Laura Lindsay, Chiara Gambi, Hugh Rabagliati	
<i>Mouse Tracking Shows Attraction to Alternative Targets While Grounding Spatial Relations</i> ...	2586
Jonas Lins, Gregor Schoener	
<i>Prediction and uncertainty in an artificial language</i>	2592
Tal Linzen, Noam Siegelman, Louisa Bogaerts	
<i>Explain, Explore, Exploit: Effects of Explanation on Information Search</i>	2598
Emily Liquin, Tania Lombrozo	
<i>Can Illness be Bright? Metaphor comprehension depends on linguistic and embodied factors</i>	2604
Pei Q Liu, Louise Connell, Dermot Lynott	
<i>Want to prime exercise? Calorie labels work better than activity ones!</i>	2610
Dawn Liu, Marie Juanchihch	
<i>Failure to replicate talker-specific syntactic adaptation</i>	2616
Linda Liu, Zachary Burchill, Michael Tanenhaus, T. Florian Jaeger	
<i>Instrumental Representations of Sensorimotor Control: Representations at Immediate Level</i> ...	2622
Hsi-wen Liu	
<i>Disentangling perceptual and linguistic factors in parsing: Tone monitoring via ERPs</i>	2628
David J. Lobina, Josep Demestre, Jose E. Garcia-Albea	
<i>Grasping Multisensory Integration: Proprioceptive Capture after Virtual Object Interactions</i> ...	2634
Johannes Lohmann, Jakob Gütschow, Martin V. Butz	
<i>Goal-Directed Deployment of Attention in a Computational Model: A Study in Multiple-Object Tracking</i>	2640
Andrew Lovett, Will Bridewell, Paul Bello	
<i>'It's More Fun With My Phone': A Replication Study of Cell Phone Presence and Task Performance'</i>	2646
Ulrik Lyngs, Ryan McKay	
<i>Strategic advantages of micro-targeted campaigns: Implementing savvy persuaders in a Bayesian Agent-Based Model</i>	2651
Jens Koed Madsen, Toby D. Pilditch	
<i>Growing a Bayesian Conspiracy Theorist: An Agent-Based Model</i>	2657
Jens Koed Madsen, Richard Bailey, Toby D. Pilditch	
<i>The dilution effect: Conversational basis and witness reliability</i>	2663
Jens Koed Madsen, Ulrike Hahn, Marion Vorms	
<i>Influence of using 3D images and 3D-printed objects on spatial reasoning of experts and novices</i>	2669
Akihiro Maehigashi, Kazuhisa Miwa, Masahiro Oda, Yoshihiko Nakamura, Kensaku Mori, Tsuyoshi Igami	

<i>Even when people are manipulating algebraic equations, they still associate numerical magnitude with space</i>	2675
Tyler Marghetis, Robert Goldstone, David Landy	
<i>Chunking Ability Shapes Sentence Processing at Multiple Levels of Abstraction</i>	2681
Stewart M. McCauley, Erin S. Isbilen, Morten H. Christiansen	
<i>The Interaction of Worked-Examples/ Self-Explanation Prompts and Time on Algebra Conceptual Knowledge</i>	2687
Kelly McGinn, Julie Booth, Laura Young	
<i>Semantic ambiguity effects: A matter of time?</i>	2693
Joyse Medeiros, Blair Armstrong	
<i>Inferring Intentional Agents From Violation of Randomness</i>	2699
Yuan Meng, Tom Griffiths, Fei Xu	
<i>Presentation Format Modulates Adults' Automatic Processing of Proportions</i>	2705
Rui Meng, Percival Matthews	
<i>Utilizing simple cues to informational dependency</i>	2710
Hugo Mercier, Helena Miton	
<i>Children's EEG Indices of Directed Attention during Somatosensory Anticipation: Relations with Executive Function</i>	2711
Staci Meredith Weiss, Peter Marshall	
<i>Modelling Unsupervised Event Segmentation: Learning Event Boundaries from Prediction Errors</i>	2717
Katherine Metcalf, David Leake	
<i>Objections to Computationalism. A Short Survey</i>	2723
Marcin Miłkowski	
<i>A comparison between human micro-affordances and computational classification</i>	2729
Arthur-Henri Michalland, Arthur-Henri Michalland, Denis Brouillet, Philippe Fraisse	
<i>The Role of Schema-Governed Relational Categories in Analogical Inference</i>	2735
Ricardo A. Minervino, Adrián Margni, Máximo Trench	
<i>An Investigation of Factors that Influence Resource Allocation Decisions</i>	2741
Percy Mistry, Jennifer Trueblood	
<i>Predicting Individual Differences in Working Memory Training Gain: A Machine Learning Approach</i>	2747
Shafee Mohammed, Benjamin Katz, Chelsea Parlett, Martin Buschkuehl, Susanne Jaeggi	
<i>A Longitudinal Study of Differences between Predicted, Actual, and Remembered Personal Change</i>	2748
Sarah Molouki, Daniel Bartels, Oleg Urminsky	
<i>Visual Data Exploration: How Expert Astronomers Use Flipbook-Style Visual Approaches to Understand New Data</i>	2754
Fernanda Monteiro Elliott, Keivan Stassun, Maithilee Kunda	

<i>The cultural evolution of complex linguistic constructions in artificial sign languages</i>	2760
Yasamin Motamedi, Marieke Schouwstra, Jennifer Culbertson, Kenny Smith, Simon Kirby	
<i>Do Accurate Metacognitive Judgments Predict Successful Multimedia Learning?</i>	2766
Nicholas V. Mudrick, Michelle Taub, Roger Azevedo	
<i>Interactive Communicative Inference</i>	2772
Larry Muhlstein	
<i>Cognitive and Attentional Process in Insight Problem Solving of the puzzle game “Tangram”</i> ...	2778
Yoshiki Nakano	
<i>First step is to group them: Task-dynamic model validation for human multiagent herding in a less constrained task</i>	2784
Patrick Nalepka, Maurice Lamb, Rachel W. Kallen, Elliot Saltzman, Anthony Chemero, Michael J. Richardson	
<i>Conflicts Processing among Multiple Frames of Reference: An ERP Study</i>	2790
Weizhi Nan, Yanlong Sun, Hongbin Wang, Qi Li, Xun Liu	
<i>Beyond Distributed Cognition: Towards a Taxonomy of Nonreductive Social Cognition</i>	2796
Zachariah A. Neemeh, Luis H. Favela	
<i>Modeling categorical perception with auditory neurons</i>	2802
Chris Neufeld	
<i>Brief Mindfulness Meditation Improves Attention in Novices</i>	2803
Catherine Norris, Daniel Creem	
<i>Who makes use of prior knowledge in a curriculum on proportional reasoning?</i>	2809
Daniela Nussbaumer, Christian Thurn, Schumacher Ralph, Stern Elsbeth	
<i>Shared mechanisms for controlling egocentric bias during perspective taking and intertemporal choices</i>	2815
Garret O’Connell, Bhismadev Chakrabarti, Chun-Ting Hsu, Anastasia Christakou, Isabel Dziobek	
<i>The dot perspective task revisited: Evidence for directional effects</i>	2821
Cathleen O’Grady, Thom Scott-Phillips, Suilin Lavelle, Kenny Smith	
<i>Creation of Spatial Mental Models with Figural Stimuli: Validation of the Emoji-based Spatial Integration Task</i>	2827
Polly O’Rourke, Nick Pandza, Susan Campbell	
<i>A Domain-Independent Approach of Cognitive Appraisal Augmented by Higher Cognitive Layer of Ethical Reasoning</i>	2833
Suman Ojha, Jonathan Vitale, Mary-Anne Williams	
<i>Tracking the temporal course of counterfactual understanding</i>	2839
Isabel Orenes, Juan Antonio Garcia Madruga, Isabel Gómez-Veiga, Orlando Espino, Ruth Byrne	
<i>Investigating Sensitivity to Shared Information and Personal Experience in Children’s Use of Majority Information</i>	2840
Kay Otsubo, Andrew Whalen, Daphna Buchsbaum	

<i>Do Speaker's Emotions influence their Language Production? Studying the Influence of Disgust and Amusement on Alignment in Interactive Reference</i>	2846
Charlotte Out, Martijn Goudbeek, Emiel Krahmer	
<i>Nudging Problematic Smartphone Use to a Lower Level</i>	2852
Lauri Palokangas, Jyrki Suomala	
<i>Auditory and Visual Contributions to Multisensory Integration</i>	2858
Jessica Parker, Chris Robinson	
<i>The effect of acute physical activity on children's memory for language</i>	2864
Carla Pastorino Campos, John Williams	
<i>Replacing Language: Children Use Non-Linguistic Cues and Comparison in Category Formation</i>	2870
Margarita Pavlova	
<i>When is Likely Unlikely: Investigating the Variability of Vagueness</i>	2876
Kimele Persaud, Brian McMahan, Malihe Alikhani, Kevin Pei, Pernille Hemmer, Matthew Stone	
<i>Counterfactuals, indicative conditionals, and negation under uncertainty: Are there cross-cultural differences?</i>	2882
Niki Pfeifer, Hiroshi Yama	
<i>Abductive, Causal, and Counterfactual Conditionals Under Incomplete Probabilistic Knowledge</i>	2888
Niki Pfeifer, Leena Tulkki	
<i>Pragmatics Influence Children's Use of Majority Information</i>	2894
Theresa Pham, Jane C Hu, Daphna Buchsbaum	
<i>A categorical (fixed point) foundation for cognition: (adjoint) corecursion</i>	2900
Steven Phillips	
<i>Dual-routes and the cost of computing least-costs</i>	2901
Steven Phillips, Yuji Takeda, Fumie Sugimoto	
<i>The Effect of Economic Scarcity Priming on Perception of Race</i>	2902
Dariusz Lukasz Pilucik, Jens Koed Madsen	
<i>Perception is in the Details: A Predictive Coding Account of the Psychedelic Phenomenon</i>	2907
Sarit Pink-Hashkes, Iris van Rooij, Johan Kwisthout	
<i>Repetition improves memory by strengthening existing traces: Evidence from paired-associate learning under midazolam</i>	2913
Vencislav Popov, Lynne Reder	
<i>When Less Isn't More: A Real-World Fraction Intervention Study</i>	2919
Tasha Posid, Vladimir Sloutsky	
<i>Is ambiguity detection in haptic imagery possible? Evidence for Enactive imaginings</i>	2925
Wim Pouw, Asimina Aslanidou, Kevin Kamermans, Fred Paas	
<i>Categorical vs Coordinate Relationships do not reduce to spatial frequency differences</i>	2931
Vishaal Prasad, Ben Cipollini, Garrison Cottrell	

<i>Refuting Overconfidence: Refutation Texts Prevent Detrimental Effects of Misconceptions on Text Comprehension and Metacomprehension Accuracy in the Domain of Statistics</i>	2937
Anja Prinz, Stefanie Golke, Jörg Wittwer	
<i>Varieties of Numerical Estimation: A Unified Framework</i>	2943
Jike Qin, Dan Kim, John Opfer	
<i>Towards an Analogical Theory of Mind</i>	2949
Irina Rabkina, Clifton McFate, Ken Forbus, Christian Hoyos	
<i>A Theory of Resonance: Towards an Ecological Cognitive Architecture</i>	2955
Vicente Raja	
<i>A model of structure learning, inference, and generation for scene understanding</i>	2956
David Raposo, Peter Dayan, Demis Hassabis, Peter Battaglia	
<i>Challenging the superficial similarities superiority account for analogical retrieval</i>	2957
Lucas Raynal, Evelyne Clément, Emmanuel Sander	
<i>Improving a Fundamental Measure of Lexical Association</i>	2963
Gabriel Recchia, Paul Nulty	
<i>Priming the production of implications</i>	2969
Alice Rees, Lewis Bott	
<i>How could a rational analysis model explain?</i>	2975
Samuli Reijula	
<i>Randomness in binary sequences: Conceptualizing and connecting two recent developments</i>	2981
Stian Reimers	
<i>Using punctuation as a marker of sincerity and affective convergence during texting</i>	2986
Katherine Reynolds, Blair Casarotto, Sarah Noviski, Jennifer Roche	
<i>Influencing Network Graph Perception and Judgment: Effects of Direct Connections, Base Rates, and Visual Layout Proximity on Social Network Analysis</i>	2992
Rebecca Rhodes, Isaiah Harbison, Nathan Bos, Celeste Paul, Clay Fink, Anthony Johnson	
<i>Explicit Predictions for Illness Statistics</i>	2998
Talia Robbins, Pernille Hemmer	
<i>Information theoretic factors in marking linguistic focus: A laboratory-language approach</i>	3004
Gareth Roberts, Jon Stevens	
<i>Manual Response Dynamics Reflect Rapid Integration of Intonational Information during Reference Resolution</i>	3010
Timo B. Roettger, Mathias Stoeber	
<i>Beyond candidate inferences: People treat analogies as evidence</i>	3016
Brad Rogers, David Landy	
<i>A Model-based Approach for Assessing Attentional Biases in People with Depressive Symptoms</i>	3022
Isa Rutten, Wouter Voorspoels, Ernst H. W. Koster, Wolf Vanpaemel	
<i>Is it fair? Textual effects on the salience of moral foundations</i>	3028
Eyal Sagi	

<i>Estimating Causal Power between Binary Cause and Continuous Outcome</i>	3033
Motoyuki Saito, Patricia Cheng	
<i>Spatial Training and Mathematics: The Moderating Effect of Handedness</i>	3039
Giovanni Sala, Martina Bolognese, Fernand Gobet	
<i>Dissolving the Grounding Problem: How the Pen is Mightier than the Sword</i>	3045
Nancy Salay	
<i>The Causal Frame Problem: An Algorithmic Perspective</i>	3046
Ardavan Salehi Nobandegani, Ioannis N. Psaromiligkos	
<i>Experimental and Computational Investigation of the Effect of Caffeine on Human Time Perception</i>	3052
Remya Sankar, Anuj Shukla, Raju Bapi	
<i>Peculiarity doesn't trump ordinariness: On recognition memory for exceptions to the category rule</i>	3058
Olivera Savic, Vladimir Sloutsky	
<i>Modeling scope ambiguity resolution as pragmatic inference: Formalizing differences in child and adult behavior</i>	3064
K.j. Savinelli, Gregory Scontras, Lisa Pearl	
<i>Surprisingly: Marker of Surprise Readings or Intensifier?</i>	3070
Anthea Schöller, Michael Franke	
<i>Developing cognitive flexibility in solving arithmetic word problems</i>	3076
Calliste Scheibling-Sève	
<i>Aging of the Exploring Mind: Older Adults Deviate more from Optimality in Complex Choice Environments</i>	3082
Job Schepens, Ralph Hertwig, Wouter van den Bos	
<i>The impact of sleep on the formation and consolidation of spatial survey knowledge</i>	3088
Wiebke Schick, Julia Holzmann, Hanspeter Mallot	
<i>The roles of item repetition and position in infant sequence learning</i>	3089
Christina Schonberg, Gary Marcus, Scott Johnson	
<i>Silent gesture and noun phrase universals</i>	3095
Marieke Schouwstra, Simon Kirby, Jennifer Culbertson	
<i>Discourse continuity promotes children's learning of new objects labels</i>	3101
Jessica F. Schwab, Casey Lew-Williams	
<i>The Facilitatory Effect of Referent Gaze on Cognitive Load in Language Processing</i>	3107
Mirjana Sekicki, Maria Staudte	
<i>Gestural Hesitation Reveals Children's Competence on Multimodal Communication: Emergence of Disguised Adaptor</i>	3113
Kazuki Sekine	
<i>Adaptability and Neural Reuse in Minimally Cognitive Agents</i>	3119
Matthew Setzler, Eduardo J. Izquierdo	

<i>The role of talker similarity in the perceptual learning of L2 tone categories</i>	3125
Jing Shao, Joanna Chor Yan Mak, Caicai Zhang	
<i>A Spiking Neural Bayesian Model of Life Span Inference</i>	3131
Sugandha Sharma, Aaron Voelker, Chris Eliasmith	
<i>The Role of Causality in Temporal Binding: Evidence for an Intentional Boost</i>	3137
Daniel Shiloh, Peter White, Marc Buehner	
<i>Familiarity-matching in decision making: Experimental studies on cognitive processes and analyses of its ecological rationality</i>	3143
Masaru Shirasuna, Hidehito Honda, Toshihiko Matsuka, Kazuhiro Ueda	
<i>Bridging a Conceptual Divide: How Peer Collaboration Facilitates Science Learning</i>	3149
Andrew Shtulman, Andrew Young	
<i>A Data-Driven Approach for Making Analogies</i>	3155
Mei Si, Craig Carlson	
<i>Word-object associations are non-selective in infants and young children</i>	3161
Ming Yean Sia, Julien Mayor	
<i>The tortoise wins only when the race is long: How the task environment changes the behavior of Tetris models</i>	3167
Catherine Sibert, Wayne Gray	
<i>Information density of encodings: The role of syntactic variation in comprehension</i>	3168
Les Sikos, Clayton Greenberg, Heiner Drenhaus, Matthew Crocker	
<i>Bridging Visual Working Memory Research from Infancy through Adulthood with Dynamic Neural Field Modeling</i>	3174
Vanessa Simmering, Sammy Perone	
<i>Pupil Dilation and Cognitive Reflection as Predictors of Performance on the Iowa Gambling Task</i>	3180
Boban Simonovic, Edward Stupple, Maggie Gale, David Sheffield	
<i>Talking Through Your Arse: Sensing Conversation with Seat Covers</i>	3186
Sophie Skach, Patrick G. T. Healey, Rebecca Stewart	
<i>Individual Differences in Spontaneous Analogical Problem-Solving: The Reflective Mind Account</i>	3191
Slavi Slavov, Penka Hristova	
<i>Gender or Community: What Drives STEM Interest Among Middle School Students?</i>	3197
Evans Smalley, Jennifer Kaminski	
<i>20-month-olds Use Social-Group Membership to Make Inductive Inferences</i>	3203
Megan Smith, Rose Scott	
<i>Thinking inside the box: Motion prediction in contained spaces uses simulation</i>	3209
Kevin Smith, Filipe Peres, Edward Vul, Joshua Tenenbaum	
<i>Promoting Spontaneous Analogical Transfer: The Role of Category Status</i>	3215
Sean Snoddy, Kenneth Kurtz	

<i>Geometry-based Affordances</i>	3221
Sterling Somers	
<i>Acquiring pitch associations across modalities: the role of experience</i>	3227
Laura Speed, Ilja Croijmans, Sarah Dolscheid, Asifa Majid	
<i>Theory of Mind and Valuation during Cooperation</i>	3228
Michael Spezio, Tessa Rusch, Yuqing Lei, Vanessa Hayes, Jan Glaescher	
<i>Fake News and False Corroboration: Interactivity in Rumor Networks</i>	3229
Michael Spivey	
<i>Adapting to a listener with incomplete lexical semantics</i>	3235
Sadhwi Srinivas, Barbara Landau, Colin Wilson	
<i>Children's use of lexical flexibility to structure new noun categories</i>	3241
Mahesh Srinivasan, Catherine Berner, Hugh Rabagliati	
<i>Rationalizing subjective probability distortions</i>	3247
Nisheeth Srivastava, Ed Vul	
<i>Memory of relative magnitude judgments informs absolute identification</i>	3248
Nisheeth Srivastava	
<i>Exploration and Skill Acquisition in a Major Online Game</i>	3249
Tom Stafford, Sam Devlin, Rafet Sifa, Anders Drachen	
<i>Biases and labeling in iterative pragmatic reasoning</i>	3255
Jon Stevens	
<i>Actions that modify schedules of reinforcement</i>	3261
Mac Strelhoff, Mimi Liljeholm	
<i>Shaping the Dynamics of Category Learning in Infants and Adults by Varying Learning Context</i>	3267
Jelena Sucevic, Nadja Althaus, Kim Plunkett	
<i>Early produced signs are iconic: Evidence from Turkish Sign Language</i>	3273
Beyza Sumer, Clara Grabitz, Aylin Kuntay	
<i>A Minimal Neural Network Model of The Gambler's Fallacy</i>	3279
Yanlong Sun, Hongbin Wang	
<i>Temporal variability in moral value judgement</i>	3285
Alexandra Surdina, Adam Sanborn	
<i>Enforced pointing gesture can indicate invisible objects behind a wall</i>	3291
Hajime Takahashi, Tetsuya Yasuda, Harumi Kobayashi	
<i>Similarities Between Objects In Analogies Framed By Schema-Governed Categories</i>	3296
Lucía Micaela Tavernini, Máximo Trench, Valeria Olguín, Ricardo A. Minervino	
<i>What can Hand Movements Tell us about Audience Engagement?</i>	3302
Lida Theodorou, Patrick Healey	
<i>Generalizing relations during analogical problem solving in preschool children: does blocked or interleaved training improve performance?</i>	3308
Jean-Pierre Thibaut, Micah Goldwater	

<i>Generalizing novel names in comparison settings: role of conceptual distance during learning and at test</i>	3314
Jean-Pierre Thibaut, Arnaud Witt	
<i>Solving the Puzzle to Reach the Summit: Using Metaphor to Gauge Public Perceptions of Science</i>	3320
Paul Thibodeau, Stephen Flusberg, Kevin Holmes	
<i>Metaphors, Roles, and Controls in Framing Studies</i>	3326
Paul Thibodeau, Stephen Flusberg	
<i>Part-whole categorization is culture-specific</i>	3332
Timothy Tilbe, Juergen Bohnemeyer, Gabriela Perez Baez, Dedre Gentner	
<i>The Stroop Effect From a Mixture of Reading Processes: A Fixed-Point Analysis</i>	3338
Gabriel Tillman, Zachary Howard, Paul Garret, Ami Eidels	
<i>Interleaving area problems in the 4th grade classroom: What is the role of context and practice?</i>	3344
Rachael Todaro, Bradley Morris	
<i>Scarcity impairs online detection and prospective memory</i>	3350
Brandon Tomm, Jiaying Zhao	
<i>Specificity and entropy reduction in situated referential processing</i>	3356
Elli Tourtouri, Francesca Delogu, Matthew Crocker	
<i>A Cognitive Model of Social Influence</i>	3362
Greg Trafton, Malcolm McCurry, Kevin Zish, Laura Hiatt, Sunny Khemlani	
<i>Why Teach How Things Work? Tracking the Evolution of Children's Intuitions About Complexity</i>	3368
Emmanuel Trouche, Aaron Chuey, Kristi Lockhart, Frank Keil	
<i>The Impact of Presentation Order on the Attraction Effect in Decision-making</i>	3374
Jennifer Trueblood, Aneesha Dasari	
<i>Interpretation and Processing Time of Generalized Quantifiers: Why your Mental Space Matters</i>	3380
Alice Ping Ping Tse, Marco Ragni	
<i>Right hemisphere lateralization and holistic processing do not always go together: An ERP investigation of a training study</i>	3386
Ricky Van-yip Tso, Hangyu Chen, Yui Andrew Yeung, Terry Kit-fong Au, Janet Hsiao	
<i>"He's pregnant": simulating the confusing case of gender pronoun errors in L2</i>	3392
Chara Tsoukala, Stefan Frank, Mirjam Broersma	
<i>Deconstructing transitional probabilities: Bigram frequency and diversity in lexical decision</i>	3398
Russell Turk, Gary Jones, Duncan Guest, Angela Young, Mark Andrews	
<i>Extraneous visual noise facilitates word learning</i>	3404
Katherine Twomey, Lizhi Ma, Gert Westermann	
<i>Comparison strategies in the change detection task are influenced by task demands.</i>	3410
Rob Udale, Simon Farrell, Chris Kent	

<i>Weight matters: The role of physical weight in non-physical language across age and culture ...</i>	3411
Tomer Ullman, Santiago Alonso-Diaz, Stephen Ferrigno, Sarina Zahid, Celeste Kidd	
<i>Learning in the Wild: Real-World Experiences Shape Children's Knowledge Organization</i>	3417
Layla Unger, Anna Fisher	
<i>The Effects of Social Task Setting on Time Perception</i>	3423
Kerem Alp Usal, Annette Hohenberger	
<i>Instruction type and believability influence on metareasoning in a base rate task</i>	3429
Pavle Valerjev, Marin Dujmović	
<i>Text, images and diagrams as information providers</i>	3435
Sara Verbrugge, Aurélie Stas, Koen Jaspaert	
<i>The Role of Linguistic Information in Learning Abstract Words: Evidence from Children with Specific Language Impairment (SLI)</i>	3441
Gabriella Vigliocco, Marta Ponari, Courtenay Norbury	
<i>Facial Motor Information is Sufficient for Identity Recognition</i>	3447
Jonathan Vitale, Benjamin Johnston, Mary-Anne Williams	
<i>Forgetting My Memories by Listening to Yours: The Impact of Perspective-Taking on Socially-Triggered Context-Based Prediction Error</i>	3453
Madalina Vlasceanu, Rae Drach, Alin Coman	
<i>Rank Aggregation and Belief Revision Dynamics</i>	3454
Igor Volzhanin, Ulrike Hahn, Dell Zhang, Stephan Hartmann	
<i>Overcoming the Tragedy of Personnel Evaluation?</i>	3460
Momme von Sydow, Niels Braus, Ulrike Hahn	
<i>Altruist vs. Egoist Detection and Individual vs. Group Selection in Personnel Management</i>	3466
Momme von Sydow, Niels Braus	
<i>Rational and Semi-Rational Explanations of the Conjunction Fallacy: A Polycausal Approach .</i>	3472
Momme von Sydow	
<i>Empathic Humans Punishing an Emotional Virtual Agent</i>	3478
Laura Wächter, Barbara Kuhnert, Marco Ragni	
<i>Exploitative and Exploratory Attention in a Four-Armed Bandit Task</i>	3484
Adrian Walker, Mike Le Pelley, Tom Beesley	
<i>Actively Detecting Patterns in an Artificial Language to Learn Non-Adjacent Dependencies</i>	3490
Hao Wang, Jason Zevin, Calvin Leather, Toby Mintz	
<i>A Plausible Micro Neural Circuit for Decision-Making</i>	3491
Hui Wei, Dawei Dai, Yijie Bu	
<i>The Cognitive Reflection Test: familiarity and predictive power in professionals</i>	3497
Matthew Welsh, Steve Begg	
<i>Desires influence 4- to 6-year-old children's probabilistic judgments</i>	3503
Adrienne Wenté, Mariel Goddu, Elyanah Posner, Teresa Garcia, María Fernández Flecha, Alison Gopnik	

<i>The Interaction of Bayesian Pragmatics and Lexical Semantics in Linguistic Interpretation: Using Event-related Potentials to Investigate Hearers' Probabilistic Predictions</i>	3504
Markus Werning, Erica Cosentino	
<i>The Neural Mechanisms of Relational Reasoning: Dissociating Representational Types</i>	3510
Julia Wertheim, Marco Ragni	
<i>How the truth can make a great lie: An empirical investigation of the folk concept of lying by falsely implicating</i>	3516
Alex Wiegmann, Pascale Willemsen	
<i>Eliciting Middle School Students' Ideas About Graphs Supports Their Learning from a Computer Model</i>	3522
Eliane Wiese, Anna Rafferty, Marcia Linn	
<i>Counterfactual Conditionals and Normative Rules</i>	3528
Meredith Wilkinson, Shira Elqayam, Valerie Thompson, David Over	
<i>Modality Differences in Timing: Testing the Pacemaker Speed Explanation</i>	3534
Emily Williams, Andrew Stewart, Luke Jones	
<i>Modeling cognitive load effects in an interrupted learning task: An ACT-R approach</i>	3540
Maria Wirzberger, Günter Daniel Rey, Josef F. Krems	
<i>Does Associative Memory Play a Role in Solving Physics Problems?</i>	3546
Katie Wood, Rossy McLaren, Ipl McLaren	
<i>Sensorimotor Learning Modulates Automatic Imitation in Visual Speech</i>	3552
Yuchunzi Wu, Bronwen Evans, Patti Adank	
<i>Whoa! Aww ... Ohh ... Hee! and Mmm: Infants' nuanced distinctions about the probable causes of emotional expressions</i>	3553
Yang Wu, Paul Muentener, Laura Schulz	
<i>Visual and Audio Aware Bi-Modal Video Emotion Recognition</i>	3554
Siqi Xiang, Wenge Rong, Zhang Xiong, Min Gao, Qingyu Xiong	
<i>Teaching Versus Active Learning: A Computational Analysis of Conditions that Affect Learning</i>	3560
Scott Cheng-Hsin Yang, Patrick Shafto	
<i>Training Graph Literacy: Developing the RiskLiteracy.org Outreach Platform</i>	3566
Vincent Ybarra, Edward Cokely, Cody Adams, Margo Woller-Carter, Jinan Allan, Adam Feltz, Rocio Garcia-Retamero	
<i>Empirical constraints on computational level models of interference effects in human probabilistic judgements.</i>	3572
James Yearsley, Emmanuel Pothos, Albert Barque-Duran	
<i>Evidence for overt visual attention to hand gestures as a function of redundancy and speech disfluency</i>	3578
Amelia Yeo, Martha Alibali	
<i>Physical problem solving: Joint planning with symbolic, geometric, and dynamic constraints</i>	3584
Ilker Yildirim, Tobias Gerstenberg, Basil Saeed, Marc Toussaint, Josh Tenenbaum	

<i>Three-Way Bindings in Associative Recognition</i>	3590
Hyungwook Yim, Adam Osth, Vladimir Sloutsky, Simon Dennis	
<i>Emotional and Cognitive Interest: How Creating Situational Interest Affects Learning With Multimedia</i>	3596
Angela Yoo, Richard Catrambone	
<i>“I won’t lie, it wasn’t amazing”: Modeling polite indirect speech</i>	3602
Erica Yoon, Michael Henry Tessler, Noah Goodman, Michael Frank	
<i>The Structure of Young Children’s Numerical and Spatial Abilities</i>	3608
Christopher Young, Stephen Raudenbush, Brittney Fraumeni, Susan Levine	
<i>Alternation blindness in the perception of binary sequences</i>	3609
Ru Qi Yu, Daniel Osherson, Jiaying Zhao	
<i>Back to ABCs: Clustering Alphabetically, Rather than Semantically, Enhances Vocabulary Learning</i>	3615
Jingqi Yu, Veronica Yan, Elizabeth Bjork, Robert Bjork	
<i>Domain-General Learning of Neural Network Models to Solve Analogy Task – A Large-Scale Simulation</i>	3621
Arianna Yuan	
<i>Convincing Conversations: Using a Computer-Based Dialogue System to Promote a Plant-Based Diet</i>	3627
Emma Zaal, Gregory Mills, Afke Hagen, Carlijn Huisman, John Hoeks	
<i>Pseudoneglect and development: Age-related spatial bias in bisection and drawing</i>	3633
Yordanka Zafirova, Asenia Giagtziidou, Dara Vassileva, Elena Andonova	
<i>Is Red Fire Warmer than Blue Fire? Colored Thermal Words in a Stroop Task</i>	3639
Yordanka Zafirova, Armina Janyan	
<i>The Redundancy Effect in Human Causal Learning: Evidence Against a Comparator Theory Explanation</i>	3640
Tara Zaksaitė, Peter M. Jones	
<i>Modeling Semantic Fluency Data as Search on a Semantic Network</i>	3646
Jeffrey C. Zemla, Joseph L. Austerweil	
<i>The Impact of Decision Agency & Granularity on Aptitude Treatment Interaction in Tutoring</i> .	3652
Guojing Zhou, Min Chi	
<i>Information Seeking as Chasing Anticipated Prediction Errors</i>	3658
Jian-Qiao Zhu, Wendi Xiang, Elliot Ludvig	
<i>Interruptions Reduce Confidence Judgments: Predictions of Three Sequential Sampling Models</i> .	3664
Kevin Zish, Malcolm McCurry, Nathan Aguiar, J. Gregory Trafton	
Posters: Member Abstracts	
<i>Simulation and heuristics in flexible tool use</i>	3670
Kelsey Allen, Kevin Smith, Josh Tenenbaum	

<i>Predicting Preschool-Aged Children's Behavior Regulation from Attention Tasks in the Lab</i>	3671
Chelsea Andrews, Emily Coates, Kristine Kovack-Lesh, Vanessa Simmering	
<i>Why do we punish negligent behaviors?</i>	3672
Sarin Arunima, Cushman Fiery	
<i>When I say 'Black Lives Matter,' why do some people hear 'Others Lives Matter Less'?</i>	3673
E. Mallema Azumah, Jason Shepard	
<i>The Use of Ambiguous Messages as a Strategy to Appeal to Multiple Decision Makers</i>	3674
Devika Banerji, Torsten Reimer, Chris Roland	
<i>Social wayfinding in complex environments</i>	3675
Iva Barisic, Tyler Thrash, Victor R. Schinazi, Christoph Hoelscher	
<i>Projecting space into the future: peripersonal space remaps in anticipation of an object manipulation</i>	3676
Anna Belardinelli, Johannes Lohmann, Martin Butz	
<i>Characterizing Human-Machine Teams with Process Algebras</i>	3677
Leslie Blaha, Robert Jasper	
<i>Bottom-up attentional cueing in category learning in children</i>	3678
Nathaniel Blanco, Vladimir Sloutsky	
<i>Infusing Cognitive Science Content in Teacher Preparation</i>	3679
Julie Booth	
<i>Using Analogical Processing to Categorize Musical Patterns</i>	3680
Janet Bourne, Elliot Chun	
<i>How infants map nonce phrases to scenes with objects and predicates.</i>	3681
Angelica Buerkin-Pontrelli, Daniel Swingley	
<i>No Transfer of Training in Simple Addition</i>	3682
Jamie Campbell, Yalin Chen	
<i>Vowel Harmony as a Distributional Learning Problem</i>	3683
Spencer Caplan, Jordan Kodner	
<i>A comparative assessment of embodied and computational topic extraction</i>	3684
James Carney	
<i>Mapping hand to world; Development of iconic representation in gesture and homesign</i>	3685
Erica Cartmill, Lilia Rissman, Miriam Novack, Susan Goldin-Meadow	
<i>One-shot word learning under high and low sentential constraints in adult L2 learners of Chinese</i>	3686
Jenn-Yeu Chen, Yu-Shu Huang	
<i>Comparing Human Use of Fast & Frugal Tree with Machine-Learning Tree</i>	3687
Yee Siang Chng	
<i>Incorrect responses salience affects strategy use in a figural analogy task</i>	3688
Iwona Ciechanowska, Bartłomiej Krocze, Adam Chuderski	

<i>Learning Object Names from Visual Pervasiveness: the Visual Statistics Predict</i>	3689
Elizabeth Clerkin, Chen Yu, Linda Smith	
<i>Relations Between Intuitive Biological Thought and Scientific Misconceptions</i>	3690
John Coley, Nicole Betz, Jessica Leffers, Yian Xu, Michal Fux, Kristin de Nesnera, Kimberly Tanner	
<i>A picture falls under many categories: How ancient mathematical marks became extinct</i>	3691
Peter Coppin, Daemon Retren, Ambrose Li	
<i>ANCHORING is amodal: evidence from a signed language.</i>	3692
Qatherine Dana, Diane Brentari, Outi Bat-El, Iris Berent	
<i>Don't forget to bind: Memory binding and interference in development</i>	3693
Kevin Darby, Vladimir Sloutsky	
<i>Developmental Changes in Visual Scene Statistics</i>	3694
Christina Deserio, Jason Gold, Swapnaa Jayaraman, Rowan Candy, Linda Smith	
<i>Speed and accuracy trade-off of semantic composition involving highlighting and adjustment</i>	3695
Diana Dimitrova, Brian McElree, Petra Schumacher	
<i>A Neurodynamical Model of How Prior Knowledge Influences Visual Perception</i>	3696
Dražen Domijan, Mateja Marić	
<i>Couples Emotion Dynamics During Conversations Involving Stress and Enjoyment</i>	3697
Nicholas Duran, Ashley Randall	
<i>Information Signatures in Children's Language Environment</i>	3698
Steven L. Elmlinger, Drew H. Abney, David W. Vinson, Linda B. Smith, Chen Yu	
<i>The acquisition of verb morphology in Polish and Finnish: Model and experiment</i>	3699
Felix Engelmann, Joanna Kolak, Sonia Granlund, Ben Ambridge, Julian Pine, Anna Theakston, Elena Lieven	
<i>What makes a joke funny: Analysing joke humor through single-word ratings.</i>	3700
Tomas Engelthaler, Thomas Hills	
<i>What's on your wandering mind? The content of mind wandering during text- and film comprehension</i>	3701
Myrthe Faber, Sidney Dmello	
<i>Interaction with a robot changes human motor behavior</i>	3702
Laura Fademrecht, Tobias Meilinger, Stephan Streuber, Aurelie Saulton, Heinrich Bülthoff, Rouwen Cañal-Bruland, Stephan de La Rosa	
<i>The differential effects of transmission and interaction on linguistic variation</i>	3703
Olga Feher, Kenny Smith	
<i>Production of morphologically complex words as revealed by a typing task: Morphological influences on keystroke dynamics</i>	3704
Laurie Feldman, Rick Dale, Jacolien van Rij, David Vinson	
<i>Probability matching as a cognitive basis of cultural drift</i>	3705
Vanessa Ferdinand	

<i>Is gender-fair language needed? How grammatical gender influences representations of discourse referents</i>	3706
Evelyn Ferstl, Lena Dietsche	
<i>Introducing a New JavaScript Framework for Professional Online Studies.</i>	3707
Holger Finger, Dorena Diekamp, Caspar Goeke	
<i>How to communicate uncertainty in severe weather forecasts?</i>	3708
Nadine Fleischhut, Stefan Herzog, Ralph Hertwig	
<i>Developing Visual Closure in Infancy</i>	3709
Samuel Forbes, Kim Plunkett	
<i>Executive Functions and Academic Achievement in a High-Poverty Sample</i>	3710
Gill A. Francis (1), Zewelanji Serpell (2), Teresa Parr (3), Michelle R. Ellefson (1)	
<i>Neural Phase Synchrony on Understanding Meanings of Symbols</i>	3711
Masayuki Fujiwara, Takashi Hashimoto, Guanhong Li, Jiro Okuda, Takeshi Konno, Kazuyuki Samejima, Junya Morita	
<i>Jumping in Japanese: Converting linguistic instructions into physical performances</i>	3712
Chie Fukada, Noriyuki Kida, Hiromichi Hagihara, Takatsugu Kojima	
<i>The Price of Fear: Developing a behavioural assessment of fear-related avoidance incorporating dynamic response measures.</i>	3713
Santiago Garcia-Guerrero, Denis O'Hara, Arkady Zgonnikov	
<i>On the road to ... somewhere? Change-blindness in event description tasks is informative about the interrelation between visual perception and language planning</i>	3714
Johannes Gerwien, Ines Marberg	
<i>Mental computations underlying morphosyntax acquisition</i>	3715
Heidi Getz, Elissa Newport	
<i>Computational Modelling of Embodied Semantic Cognition: A Deep Learning Approach</i>	3716
Ajitesh Ghose, Rick Cooper	
<i>The Perceived Duration of Vast Spaces</i>	3717
Devin Gill, Jeanine Stefanucci	
<i>The role of spatial skills in mathematics cognition: Evidence from children aged 5-10 years</i>	3718
Katie Gilligan, Alex Hodgkiss, Michael Thomas, Emily Farran	
<i>Investigating the predictions of a memory-based account of statistical learning</i>	3719
Sandrine Girard, Erik Thiessen	
<i>Motor Fluency Effects on Causal Judgment: The Role of Grip-Strength Asymmetries and Spatial-Numeric Associations</i>	3720
Kelly Goedert, Daniel Czarnowski	
<i>Comparison of directed gaze during vocalizations in bonobo and human infants</i>	3721
Ulrike Griebel, Josep Call, Eugene Buder, D. Kimbrough Oller	
<i>How does of initial inaccuracy benefit cross-situational word learning?</i>	3722
Chris Grimmick, George Kachergis, Todd Gureckis	

<i>On the Detection of “Alternative Facts” in Environmental Messages: The Effects of a Sequential versus a Simultaneous Presentation Format</i>	3723
Mona Guath, Peter Juslin	
<i>Exploring inductive bias of visual scenes</i>	3724
Jessica Hamrick, David Bourgin, Thomas Langlois, Tom Griffiths	
<i>Choosing while Losing: The Effects of Valence and Relative Magnitude on Decision Dynamics.</i>	3725
Avril Hand, Denis O’Hora, Rick Dale, Petri Piiroinen	
<i>The Relationship between Anxiety, Mind Wandering and Task-switching: A Diffusion Model Analysis</i>	3726
Andree Hartanto, Hwajin Yang	
<i>Do people behave dishonestly easily?</i>	3727
Hajimu Hayashi	
<i>Hierarchical Processing of Response Production and Categorisation</i>	3728
Liusha He, Rick Cooper	
<i>Where are you? The Effect of Uncertainty and its Visual Representation on Location Judgments in GPS-like Displays</i>	3729
Mary Hegarty, Alinda Friedman, Alexander P. Boone, Trevor J. Barrett	
<i>Semantic Bootstrapping in Frames: A Computational Model of Syntactic Category Acquisition</i> .	3730
John Hewitt, Charles Yang	
<i>Tangible rhythm: Sensorimotor representations of metrical structure and learning musical rhythm with gesture</i>	3731
Courtney Hilton, Micah Goldwater, Michael Jacobson	
<i>Eye movement-based probabilistic models for physical scene understanding</i>	3732
Eghbal Hosseini, Eli Pollock, Tobias Gerstenberg	
<i>Data Driven Eye Gaze Path Segmentation</i>	3733
Joseph Houpt, Mary Frame, Leslie Blaha	
<i>Case Markers Facilitate Abstraction of Syntax among Mandarin-speaking preschoolers</i>	3734
Dong-Bo Hsu	
<i>An Exploratory Study on Remote Associates Problem Solving: Evidence of Eye Movement Indicators</i>	3735
Po-Sheng Huang, Shu-Ling Peng, Jon-Fan Hu	
<i>Processing of Filler-gap Dependency in Island Constraints and its Relation to Working Memory for Non-native Speakers of English</i>	3736
Kuan-Jung Huang, Jon-Fan Hu, Anastazija Rajkovic	
<i>Linguistic processes in translation: Eye-tracking reveals differential effects of phrase order and lexical choice</i>	3737
Xin Huang, Wei (sophia) Deng, Defeng Li	
<i>How reactivation strength affects memory updating</i>	3738
Scully Iiona, Hupbach Almut	

<i>An fNIRS Hyperscanning Study on Brain-Brain Interactions of a Dyad during a Joint Sentence Reading Task</i>	3739
Erdinc Isbilir, Murat Perit Cakir, Fred Cummins, Hasan Ayaz	
<i>Pre-term infants exhibit impaired prediction and learning in Audio-Visual association paradigm</i>	3740
Sagi Jaffe-Dax, Alex M Boldin, Nathaniel D Daw, Lauren L Emberson	
<i>Endpoints and Midpoints in Event Perception</i>	3741
Yue Ji, Anna Papafragou	
<i>Dynamic and multiplexed networks for working memory</i>	3742
Elizabeth Johnson, Robert Knight	
<i>Improving Perceptual Reasoning in School Children through Chess Training</i>	3743
Ebenezer Joseph, Sumathi Chandrasekaran, Uma T.r., Veena Easvaradoss	
<i>Measuring Demand Avoidance with the Demand Selection Task: Challenges and Opportunities</i> .	3744
Ion Juvina, Jeffrey Nador, Othalia Larue, Randall Green, Brandon Minnery, Assaf Harel	
<i>Optimizing Mathematic Learning: Effects of Continuous and Nominal Practice Format on Transfer of Arithmetic Skills</i>	3745
Charles Kalish, Rui Meng, Ayon Seng, Percival Matthews	
<i>Priors, informative cues and ambiguity aversion</i>	3746
Lauren Kennedy, Amy Perfors, Daniel Navarro	
<i>Moral Judgments in Trolley Like Dilemmas: An Eye-Tracking Study</i>	3747
Vjeran Keric, Evgeniya Hristova	
<i>Word retrieval decline in midlife: a voxel-based morphometry study</i>	3748
Vanja Kljajevic	
<i>The relationship between verbal route descriptions and personal characteristics of empathy</i>	3749
Takatsugu Kojima	
<i>Explanatory Completeness: Evidence from Causal Chains</i>	3750
Joanna Korman, Sangeet Khemlani	
<i>Different alternative explanations can render different information relevant to explaining an event</i>	3751
Barbara Koslowski, Francoise Vermeulen	
<i>One-shot Learning and Classification in Children</i>	3752
Eliza kosoy, Brenden Lake, Josh Tenenbaum	
<i>Mentioning atypical properties of objects is communicatively efficient</i>	3753
Elisa Kreiss, Robert X.d. Hawkins, Judith Degen, Noah Goodman	
<i>Why Would 'Same' Go With 'Same'? Exploring New Factors Required For Relational Reasoning</i>	3754
Ivan Kroupin, Susan Carey	
<i>When reading is harder than a mother kucker: Top-down effects of the taboo-ness on novel word pronunciation</i>	3755
Sarah Kucker, Lynn Perry	

<i>Effects of Variable Response-Stimulus Interval (RSI) On Sequence Learning</i>	3756
Sneha Kummetha, Anuj Shukla, Raju Bapi	
<i>Object Understanding: Exploring the Path from Percept to Meaning</i>	3757
Kenneth Kurtz, Daniel Silliman	
<i>Effect of Touch-produced Sounds on Surface Texture Perception</i>	3758
Jinhwan Kwon, Suguru Hata, Natsumi Komoto, Maki Sakamoto	
<i>Identifying Causal Direction in the Two-Variable Case</i>	3759
Pablo León-Villagrà, Christopher Lucas	
<i>Intolerance to uncertainty is associated with diminished exploration</i>	3760
Jennifer Lenow, Nathaniel Daw, Elizabeth Phelps	
<i>Interplay between semantic and emotional information in visual scene processing</i>	3761
Anaïs Leroy, Sylvane Faure, Sara Spoto	
<i>The effect of binaural beats on inhibition</i>	3762
Kimery Levering, Molly Poinan, Kristin Jay	
<i>Perception of others: Representation of immigrant groups in newspaper articles</i>	3763
Ying Li, Thomas Hills	
<i>Modelling the dynamics of integrating context into perception: in good and in poor readers</i>	3764
Itay Lieder, Vincent Adam, Maneesh Sahani, Merav Ahissar	
<i>The Effects of Familiarity and Typicality on Naming Objects and Faces</i>	3765
Yu-Ching Lin, Jon-Fan Hu, Shu-Ling Peng, Shulan Hsieh	
<i>The Effect of CSAL AutoTutor on Deep Comprehension of Text in Low-Literacy Adult Readers</i>	3766
Anne Lippert, Brea Walker, Raven Davis, Qinyu Cheng, Zhiqiang Cai, Danielle Clewley, Genghu Shi, Arthur Graesser	
<i>Adaptive response priors in context-dependent decision-making</i>	3767
Olga Lositsky, Michael Shvartsman, Robert C. Wilson, Jonathan D. Cohen	
<i>Comprehension of Chinese Classifiers in Preschool Children</i>	3768
Yu-Han Luo, Jon-Fan Hu	
<i>Cumulative response probabilities: Estimating time course of lexical activation from single-point response times</i>	3769
Sahil Luthra, James Magnuson	
<i>Guardian and Daily Mail Readers' Implicit Attitudes to Immigration</i>	3770
Dermot Lynott, Michael Walsh, Tony McEnery, Louise Connell, Liam Cross	
<i>How and when does the syllable become a reading unit? Developmental evidence in French children</i>	3771
Norbert Maïonchi-Pino, Virginie Loiseau	
<i>Epistemically Suspect Beliefs can be partly explained by individual's propensity towards contradiction</i>	3772
Yoshimasa Majima	

<i>Practicing an auditory working memory task recruits lower-level auditory areas in a task-specific manner</i>	3773
Tamar Malinovitch, Philippe Albouy, Merav Ahissar, Robert Zatorre	
<i>Do Relationality and Aptness Influence Conventionalization?</i>	3774
Francisco Maravilla, Dedre Gentner	
<i>Mutual Exclusivity Revisited – When Pragmatics overrides Novelty</i>	3775
Hanna Marno, Dan Sperber	
<i>Search Your Feelings, Luke: Emotional Fluency Predicts Well-being and Emotional Intelligence</i>	3776
Masitah Masitah, Ying Li, Thomas Hills	
<i>Children’s reasoning about data sets</i>	3777
Amy Masnick, Bradley Morris, Christopher Was	
<i>Attention Modulation Effects on Visual Feature-selectivity of Neurons in Brain-inspired Categorization Models</i>	3778
Saeed Masoudnia, Abdol-Hossein Vahabie, Majid Nili Ahmadabadi , Babak Nadjar Araabi	
<i>Simple and Complex Working Memory Tasks Allow Similar Benefits of Information Compression</i>	3779
fabien mathy, mustapha chekaf, Nelson Cowan	
<i>Causal asymmetry and the intuitive physics of collision events</i>	3780
Ralf Mayrhofer, Michael Waldmann	
<i>The development of interpersonal regret and its relation to prosocial choice</i>	3781
Teresa McCormack, Brian Uprichard	
<i>Interactive and embodied repair: Displaying, recognizing, and negotiating misalignment in an emerging language context</i>	3782
Ashley Micklos	
<i>Misalignment increases abstraction of referring expressions</i>	3783
Gregory Mills, Gisela Redeker	
<i>The spontaneous creation of systems of conventions</i>	3784
Jennifer Misyak, Nick Chater	
<i>Refining the cognitive semantic web: The tensor method to represent the topographic emplacement of different word categories</i>	3785
Eduardo Mizraji, Andrés Pomi	
<i>Picture book reading in the lives of 18-30 month old children: A diary study</i>	3786
Jessica Montag, Linda Smith	
<i>Resemblance among similarity measures in semantic representation</i>	3787
Maria Montefinese, David Vinson	
<i>Effects of Question Format on Test-Taker Cognition</i>	3788
Jung Aa Moon, Irvin Katz, Madeleine Keehner	
<i>Magnitude of metaphor and its effect on reasoning about immigration</i>	3789
Karie Moorman, Teenie Matlock	

<i>Investigating the Impact of Sleep on Eyewitness Memory</i>	3790
David Morgan, Jakke Tamminen, Laura Mickes	
<i>Impact of testimony and prior knowledge on children's beliefs about category homogeneity</i>	3791
Kelsey Moty, Amanda Brandone	
<i>Learning to Consider Alternative Causes: Can Practice Make Us More Aware of Our Imperfection?</i>	3792
Edward Munnich, Ana Maria Hoffmann, Nancy Ortega, Emma Weinberger, Dana-Lis Bittner, Jacqueline Tiongo, Jasmine West	
<i>Bidirectional effect of emotional contagion for pain during face-to-face interaction</i>	3793
Aiko Murata, Tatsuya Kameda, Katsumi Watanabe	
<i>Agent's symmetry elicits egocentric transformations for spatial perspective-taking</i>	3794
Hiroyuki Muto, Soyogu Matsushita, Kazunori Morikawa	
<i>Robot as Moral Agent: A Philosophical and Empirical Approach</i>	3795
Shoji Nagataki, Masayoshi Shibata, Tatsuya Kashiwabata, Takashi Hashimoto, Takeshi Konno, Hideki Ohira, Toshihiko Miura, Shinichi Kubota	
<i>Iconicity vs. Systematicity in Artificial Language Learning</i>	3796
Alan Ks Nielsen, Julia Simner, Simon Kirby, Kenny Smith	
<i>The space and time of contamination: Complete, continual, spreading effects</i>	3797
Laura Niemi, Liane Young	
<i>Construction of design activity index based on the value of artifact</i>	3798
Kunio Nikata, Kentaro Inomata, Toru Sato, Keigo Kawasaki, Noriko Nagata	
<i>Indirection Explains Flexible Tuning of Neurons in Prefrontal Cortex</i>	3799
David Noelle	
<i>Five-Year-Old Children Transfer a Metacognitive Strategy to a Novel Task</i>	3800
Allison O'Leary, Vladimir Sloutsky	
<i>Do forgiving God primes strengthen support for state sanctioned punishment?</i>	3801
Katherine O'Lone, Ryan McKay	
<i>Effects of motives of search and prior experiences on online browsing performance: Considerations from searchers cognitive load</i>	3802
Kayoko Ohtsu, Takako Sakawaki	
<i>Anticipatory Active Inference from Learned Recurrent Neural Forward Models</i>	3803
Sebastian Otte, Theresa Schmitt, Martin V. Butz	
<i>Application of fuzzy logic in dyslexia user modelling to design customizing assistive technology</i> .	3804
Tereza Pařilová, Eva Hladká	
<i>An Exploratory Study of the Influence of Pretend Play on Children's Self-Regulation and Language Skills</i>	3805
Tanya Paes, Michelle Ellefson	
<i>Interpreting nonsignificant findings in psychological research</i>	3806
Bence Palfi, Aba Szollosi, Barnabas Szaszi, Marton Kovacs, Mark Zrubka, Peter Szecsi, Balazs Aczel, Eric-Jan Wagenmakers	

<i>Perceived control in bounded-rational decision-making</i>	3807
Saeed Paliwal, Frederike Petzschner, Ekaterina Lomakina, Klaas Enno Stephan	
<i>Applications of Cognitive Science to Enhancing Scholarly Communication</i>	3808
Purav Patel	
<i>Novel metacognitive problem solving task</i>	3809
Jwalin Patel, Amanda Aldercotte, Teresa Parr, Zewelanjhi Serpell, Michelle Ellefson	
<i>Comparing comparison indices: Assessing the validity of different magnitude comparison measures across presentation formats and age groups</i>	3810
Marcie Penner-Wilger, Aaron Cecala, Melissa Elfers	
<i>Language input and development during a year in an early intervention classroom</i>	3811
Lynn Perry, Emily Prince, Adriana Valtierra, Camila Rivero-Fernández, Mary Anne Ullery, Lynne Katz, Daniel Messinger	
<i>Early Visual Evoked Potentials (VEPs) in Infant Siblings of Children with ASD, ADHD and Age-Matched Controls</i>	3812
Elena Serena Piccardi, Mark H. Johnson, Teodora Gliga	
<i>How does social touch modulate arousal states? An investigation in early development.</i>	3813
Laura Pirazzoli, Emily Jones, Teodora Gliga, Mark H. Johnson	
<i>Hand, spoon or toothbrush? Towards the understanding of the neural underpinnings of affective touch in 5 months-old infants.</i>	3814
Laura Pirazzoli, Sarah Lloyd-Fox, Mark H. Johnson, Teodora Gliga	
<i>Do we see things better when we know grammar?</i>	3815
Fenna Poletiek, Maartje Van de Velde	
<i>Patterns of Cortical Activation Correlate With Speech Understanding After Cochlear Implantation</i>	3816
Luca Pollonini, Heather Bortfeld, Michael Beauchamp, John Oghalai	
<i>Encouraging Fruit and Vegetable Consumption Through Intuitive Theory Building</i>	3817
Derek Powell, Ellen Markman	
<i>Scientific Reasoning Ability in Middle Schoolers related to MasterMind Discovery Strategy</i>	3818
Jean-Baptiste Quillien, Keisha Varma, Purav Patel, Martin Van Boekel	
<i>Neural responses decrease while performance increases with practice: A neural network model</i> ..	3819
Milena Rabovsky, Steven S. Hansen, James L. McClelland	
<i>Age-related top-down and bottom-up guidance on eye movements when searching in real-world scenes</i>	3820
Hanane Ramzaoui, Sylvane Faure, Sara Spotorno	
<i>The Long and Short of It: The Role of Verb Stem Vowel Duration in Sentence Processing</i>	3821
Gwendolyn Rehrig, Sten Knutsen, Nicolaus Schrum, Paul de Lacy, Karin Stromswold	
<i>Recycling or Trash Bin? Modeling Consumers' Recycling Behavior in a Field Study</i>	3822
Torsten Reimer, Juan Pablo Ramirez, Chris Roland, Devika Banerji	
<i>Is Neurocomputational Self-Organization a Core Mechanism of AGI Systems?</i>	3823
Spyridon Revithis	

<i>Does a present bias influence exploratory choice?</i>	3824
Alexander S Rich, Todd M Gureckis	
<i>Everyday object affordance enhances automatic inhibitory control: an ERP study</i>	3825
Stefania Righi, Giorgio Gronchi, Lapo Pierguidi, Maria Pia Viggiano	
<i>Metacognitive Monitoring of Internal and External Storage and Retrieval</i>	3826
Evan Risko, Connor Gaspar, Dave McLean, Tim Dunn, Derek Koehler	
<i>From Concrete Examples to Abstract Relations: A model-based neuroscience approach to how people learn new categories</i>	3827
Gareth Roberts, Micah Goldwater, Evan Livesey, Josue Giron, Tyler Davis	
<i>Progress in building a machine that can ask interesting and informative questions</i>	3828
Anselm Rothe, Brenden Lake, Todd Gureckis	
<i>Shifting backward to say what's front? Spatial referencing of dorsal object arrangements</i>	3829
Annelie Rothe-Wulf, Andrea Bender, Julia Fischer, Nadine Lobmüller, Sieghard Beller	
<i>The time course of Intentional Binding</i>	3830
Miriam Ruess, Roland Thomaschke, Andrea Kiesel	
<i>A positive attitude increases subjective life expectancy</i>	3831
Susana Ruiz Fernández, Martin Lachmair, Juan José Rahona, Lotte Sophia Roessler, Peter Gerjets	
<i>Probability matching in choice behavior influenced by virtual rewards</i>	3832
Yuichi Saito, Miyuki G. Kamachi	
<i>ASR Systems as Models of Phonetic Category Perception in Adults</i>	3833
Thomas Schatz, Francis Bach, Emmanuel Dupoux	
<i>Which test to perform? Modeling utility of medical tests: information gain, patient risk and financial costs</i>	3834
Clara Schirren, Stefanie C. Hautz, Wolf E. Hautz, Juliane E. Kämmer, Björn Meder, Jonathan D. Nelson	
<i>Intuitive system control: Challenging the standard model of dynamic decision making</i>	3835
Wolfgang Schoppek	
<i>Learning Temporal Generative Neural Codes for Biological Motion Perception and Inference ...</i>	3836
Fabian Schrod, Martin V. Butz	
<i>The Sufficiency Principle: Predicting when children will regularize inconsistent language variation</i>	3837
Kathryn D. Schuler, Jaclyn E. Horowitz, Charles Yang, Elissa L. Newport	
<i>Impaired phonological processing of lexical tones in Cantonese speakers with congenital amusia .</i>	3838
Jing Shao, Xunan Huang, Caicai Zhang	
<i>Discovering kinds of future-oriented thought using automated machine-learning techniques</i>	3839
Jason Shepard, Aiming Nie, Bridget Copley, Phillip Wolff	
<i>The influence of word-order harmony on structural priming in artificial languages</i>	3840
Kenny Smith, Olga Feher, Jennifer Culbertson	

<i>Recently rewarded task-irrelevant stimuli do not distract 2-year-olds during visual search</i>	3841
Hayley K Smith, Erik Blaser, Zsuzsa Kaldy	
<i>Disambiguating Disfluencies: What Do Speech Disfluencies Tell Us About Speech Production?</i> .	3842
Mikhail Sokolov, John Logan	
<i>Phonological Competition during Spoken-Word Recognition in Infants and Adults</i>	3843
Marlene Spangenberg, Kim Plunkett	
<i>Word order rules in business name binomials</i>	3844
Samuel Spevack, Patricia Lichtenstein, Stephanie Shih	
<i>The time course of colour guidance in realistic scene search</i>	3845
Sara Spotorno, Ben Tatler	
<i>Perceptual decision making from correlated samples</i>	3846
Oana Stanciu, Mate Lengyel, Daniel Wolpert, Jozsef Fiser	
<i>Optimality of visual search under ambiguous stimuli</i>	3847
Elina Stengård, Ronald van den Berg	
<i>It is new, but will it be good? Context-driven exploration of novel options</i>	3848
Hrvoje Stojic, Eric Schulz, Maarten Speekenbrink	
<i>Mathematical Symbol Recognition in Children</i>	3849
Sandra Street	
<i>Speaking in English, sorting in Chinese: interaction in L2 can reinforce existing categories in L1</i>	3850
Ellise Suffill, Holly Branigan, Martin Pickering	
<i>The effect of overt language use on category induction</i>	3851
Justin Sulik, Haily Merritt, Gary Lupyan	
<i>Respecting UP and Despising DOWN: Emotional and Body-based Image in Japanese Verbs</i>	3852
Tomohiro Taira	
<i>A time-series eye-fixation analysis of the similarity-compromise effect in multi-alternative choice</i>	3853
Tsuzuki Takashi, Chiba Itsuki	
<i>Relationship between four measures reflecting representations of fraction magnitude in adults: number line estimation, comparison, calculation of fractions, and immediate serial recall of fractions</i>	3854
Yuki Tanida, Yu Koshima, Masahiko Okamoto	
<i>Slow Change: The Visual Context for Real World Learning</i>	3855
Charlene Tay, Linda Smith, Chen Yu	
<i>Effects of attention to emergent phenomena on rule discovery</i>	3856
Hitoshi Terai, Kazuhisa Miwa, Sho Yokoyama, Souta Fujimura, Gotaro Nakayama	
<i>Scheduling system delays for optimal user performance: Don't predict time; let time predict!</i> ...	3857
Roland Thomaschke, Lennart Koch, Miriam Ruess, Andrea Kiesel	

<i>Computational Foundations of Cultural Evolution: Modeling the Emergence of Systems from Higher-order Probabilistic Inference</i>	3858
Bill Thompson	
<i>Counterfactual thoughts and judgments about morally good actions</i>	3859
Shane Timmons, Ruth Byrne	
<i>Gradually ascending sound with accelerating automatic driving vehicle might change passengers' tension or anxiety: analysis of biometrical index.</i>	3860
Akitoshi Tomita, Etsuko Harada, Kozue Miyashiro, Satoshi Ando, Maito Ohmori, Hiroaki Yano	
<i>Does sonority influence the syllable segmentation in visual identification? Evidence in French skilled readers.</i>	3861
Méghane Tossonian, Norbert Maïonchi-Pino	
<i>Poverty of materials makes recursive combination operation evolvable</i>	3862
Genta Toya, Takashi Hashimoto	
<i>Fitting a Stochastic Model to Eye Movement Time Series in a Categorization Task</i>	3863
Paul Tupper, Thuan Pham Nguyen, Yunlong Nie, Jiguo Cao, Liangliang Wang	
<i>Gaze during utterances and silence in L1 and L2 Conversations</i>	3864
Ichiro Umata, Koki Ijuin, Tsuneo Kato, Seiichi Yamamoto	
<i>Statistical Learning Contributions to Semantic Knowledge Development</i>	3865
Layla Unger, Anna Fisher, Robert Powers	
<i>Improving Number Foundations in Preschoolers: ANS versus Symbolic Knowledge</i>	3866
Jo Van Herwegen, Hiwet Costa, Bethany Nicholson, Chris Donlan	
<i>Biological and Artificial Perspectives on Metacognition</i>	3867
Katherine Wagner	
<i>Predicting Future Performance in an ITS system via Gradient Boosting Classification</i>	3868
Brea Walker, Anne Ippert, Raven Davis, Zhiqiang Cai, Cheng Qinyu, Genghu Shi, Arthur Graesser	
<i>Interactivity, Stereotype threat, and Working memory</i>	3869
Anna-Stiina Wallinheimo, Harriet Tenenbaum, Adrian Banks	
<i>Judging Magnitude: Is there a Common Cognitive System for Different Types of Magnitude Judgments?</i>	3870
Rylan J. Waring, Lana M. Trick	
<i>Effects of Auditory-Feedback Delays and Musical Roles on Coordinated Timing Asymmetries in Piano Duet Performance</i>	3871
Ariel Washburn, Matthew Wright, Takako Fujioka	
<i>What influences the impact of warning labels in decisions from description-plus-experience</i>	3872
Leonardo Weiss-Cohen, Emmanouil Konstantinidis, Maarten Speekenbrink, Nigel Harvey	
<i>Later lexical development in bilinguals</i>	3873
Anne White, Barbara Malt, Steven Verheyen, Gert Storms	

<i>An immersive binaural horizon for sonic data analytics</i>	3874
Richard Windeyer, Dan MacDonald, David Steinman, Ambrose Li, Peter Coppin	
<i>A model of cultural co-evolution of language and mindreading</i>	3875
Marieke Woensdregt, Simon Kirby, Chris Cummins, Kenny Smith	
<i>Language as a process: An exploration among pre-adolescent Chinese EFLs</i>	3876
Hing Yi Wong, Susanna Yeung, Wen Chung Wang, Chi Wing Yip	
<i>Influences of the Matching Effects of Cognitive and Emotional Factors on Attitude Change</i>	3877
Tung-Cheng Wu, Jon-Fan Hu, Shu-Ling Peng	
<i>Is infants' mutual exclusivity response based on preference to novelty or non-name of an object?</i>	3878
Qinmei Xu, Ye Tao, Yuyan Wang, Jon-Fan Hu	
<i>Children's Attention to Semantic Content versus Emotional Tone: Differences between Two Cultural Groups</i>	3879
Yang Yang, Li Wang, Qi Wang	
<i>Knowledge partitioning in forecasting</i>	3880
Lee-Xieng Yang, Tzu-Hsi Lee	
<i>Working Memory and lexical ambiguity resolution in Chinese</i>	3881
Michael Yip	
<i>Impact of Polarity, Rationality, and Math Ability on Numerical Magnitude Knowledge</i>	3882
Laura Young, Julie Booth, Kelly McGinn	
<i>Global consequences of local complexity: evidence from recall of visually presented nonwords</i>	3883
Mackenzie Young, Colin Wilson	
<i>Children's Reasoning about Geometric Footprints</i>	3884
Christopher Young, Alana Foley, Susan Levine	
<i>Relevance Theory, Pragmatic Inference and Cognitive Architecture</i>	3885
Wen Yuan, Richard Cooper	
<i>Do you forgive past mistakes of virtual assistant? A study on changing impressions of virtual character when using its assistance multiple times</i>	3886
Masahide Yuasa	
<i>Knowledge acquiring on event chronology in Russian-language texts</i>	3887
Vera Zabolotkina, Mikhail Epifanov, Elena Pozdnyakova	
<i>The Impact of Presentation Order on Category Learning Strategies: Behavioral Data and Self-Reports</i>	3888
Christina Zeller, Ute Schmid	
<i>Walking dynamics of intertemporal choice</i>	3889
Arkady Zgonnikov, Iñaki Rañó, Denis O'Hara, Kongfatt Wong-Lin	
<i>A Spatial-Temporal Analysis of a Visual Working Memory Task with EEG and ECoG</i>	3890
Qiong Zhang, Marieke van Vugt, Jelmer Borst, John Anderson	
<i>To organize or not to organize? Examining biases in search strategies using Lego building blocks</i>	3891
Mona Zhu, Kimberley Yuen, Evan Risko	

<i>Emotion in Deceptive Language</i>	3892
Iraide Zipitria, Basilio Sierra, Imanol Sopena-Garaikoetxea	

Author Index

Reviewers List