

May 2020

**CURRICULUM VITAE AND LIST OF PUBLICATIONS****Ruth Kimchi****Personal Details**

Office: Department of Psychology and Institute of Information Processing and Decision Making, University of Haifa, Israel  
 Tel: +972-4-8249432  
 Fax: +972-4-8249431  
 E-mail: rkimchi@univ.haifa.ac.il

**Higher Education**

1982 Ph.D. University of California, Berkeley, Cognitive Psychology (1976-1981)  
 1974 M.A. The Hebrew University, Experimental Psychology, Cum Laude (1971-1973)  
 1972 B.A. The Hebrew University, Psychology, Statistics (1968-1971)

**Academic Ranks and Tenure in Institutes of Higher Education**

2018- Professor Emerita, University of Haifa., Dept. of Psychology  
 2009- Full Professor, University of Haifa, Dept. of Psychology  
 2001-2009 Professor, University of Haifa, Dept. of Psychology  
 1998-2000 Visiting Scholar, Carnegie Mellon University, Dept. of Psychology  
 1993-1994 Visiting Scholar, Beckman Institute for Advanced Science and Technology, U. of Illinois at Urbana-Champaign  
 1991-2001 Senior Lecturer (with tenure) University of Haifa, Dept. of Psychology  
 1988-1991 Lecturer, University of Haifa, Dept. of Psychology  
 1985-1988 Lecturer, Technion, Faculty of Industrial Engineering and Management  
 1982-1985 Visiting Assistant Professor, University of California, San Diego, Dept. of Psychology

**Offices in University Academic Administration**

7/2014-present Director, Institute of Information Processing and Decision Making  
 2010-2019 Director, Max Wertheimer Minerva Center for Cognitive Processes and Human Performance  
 2009 Member, Committee of Post-Doctoral Studies  
 2009 Elected member, Dean of Social Sciences Search Committee  
 2005-2008 Chair, Department of Psychology  
 2008 Elected member, President Search Committee  
 2006-2018 Co-chair, Cognitive Science Program Steering Committee  
 2006-2011 Elected member, the University Senate; Elected senate representative at the university Executive Committee, at the university Board of Governors, and at the Board of Governors' Audit Committee.  
 2003-2005 Chair, Committee of Doctoral Studies, Department of Psychology  
 2000-2003; Member, Committee of Doctoral Studies, Department of Psychology  
 2008-2018  
 3-9/1998; Acting Director, Institute of Information Processing and Decision

9/2003-3/2004	Making
1997-1998	Member, Committee of Undergraduate Studies, Department of Psychology
1991-1998	Member, Committee of MA Studies, Department of Psychology
1991-1998; 2000-2005	Head, Graduate Program in Cognitive Psychology, Department of Psychology
1989-1991	Coordinator, departmental seminars, Department of Psychology

### **Scholarly Positions and Activities outside the University**

2014, 2016	Member, ISF professional committee.
2010	Member of the Scientific and Organizing Committee, "International Workshop on Selection and Control Mechanisms in Perception and Action." Institute for Advanced Studies, Hebrew University, Jerusalem
2010	Editorial Board, <i>Journal of Experimental Psychology: LMC</i>
2006-2014	Elected Member, Board of Directors, Israel Foundations Trustees
2006-present	Member of the Founding Committee of the Configural Processing Consortium, and member of the Organizing Committee, CPC annual meetings.
2005	Organizer of workshop: "The Many Faces of Attention." Max Wertheimer Minerva Center for Cognitive Processes and Human Performance Workshop Series, University of Haifa, Israel
2004	Organizer of Symposium: "Perceptual Organization and Attention." Meeting of the Israeli Society for Cognitive Psychology, Bar-Ilan University, Israel
2002-07	Consultant, section 2, NIHCHD (Program project) Disordered perceptual processing in autism (program project PI: Dr. N. Minshew; PI section 2: Dr. M. Behrmann)
2000	Member, Organizing Committee, the 31 <sup>st</sup> Carnegie Symposium on Cognition, Carnegie Mellon University, Pittsburgh PA, USA
1998-present	Elected Member, Advisory Council of the International Association for the Study of Attention and Performance
1998	Member, Organizing Committee, the 10 <sup>th</sup> Conference of the European Society for Cognitive Psychology, Jerusalem, Israel
1997, 2002, 2006	Member, Committee for Young Investigators Grants, Israel Foundations Trustees
1997	Member, Organizing Committee, 4 <sup>th</sup> Meeting of the Israeli Society for Cognitive Psychology, Tel-Aviv University, Israel
June 1996	Invited Delegate, International Conference on Attention and Performance
May 1993	Guest Researcher, Nijmegen Institute for Cognition and Information, Nijmegen, Holland
1992	Member, Organizing Committee, 2 <sup>nd</sup> Meeting of the Israeli Society for Cognitive Psychology, Tel Aviv University, Israel
1991	Organizer of the Israeli Society for Cognitive Psychology Workshop: "Attention". University of Haifa, Israel
1990	Member, Organizing Committee, the 1 <sup>st</sup> Meeting of the Israeli Society for Cognitive Psychology, Ben-Gurion University, Israel
July 1989	Invited Tutor, European Society for Cognitive Psychology: Summer School on Visual Perception, Stockholm, Sweden
1988-1990	Editorial Board, <i>Psychologia, Israel Journal of Psychology</i>
1988	Member of the Founding Committee of the Israeli Society for Cognitive Psychology
1985-1988	Member, Committee of National Admission Tests to Graduate Studies in Psychology, National Institute for Testing and Evaluation
1977-1978	Research Officer, IDF Psychological Unit

**Ad hoc Reviewer:****Referred Journals:**

*Attention Perception & Psychophysics; Acta Psychologica; Child Development; Cognition; Cognitive Development; Cognitive Neuropsychology; Cognitive Psychology; European Journal of Cognitive Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of Vision; Memory & Cognition; Neuropsychologia; Perception; Psychological Bulletin; Psychological Research; Psychological Science; Psychonomic Bulletin & Review; Science; Vision Research*

**Research Granting Foundations:**

Israel Science Foundation (ISF)  
 United States-Israel Binational Science Foundation (BSF)  
 Israel Foundations Trustees  
 The National Institute for Psychobiology in Israel  
 German-Israeli Foundation for Scientific Research and Development (GIF)  
 National Science Foundation (NSF), USA  
 Research Foundation - Flanders (FWO), Belgium

**Scientific Meetings:**

10<sup>th</sup> Meeting of the European Society for Cognitive Psychology (1998)  
 31<sup>st</sup> Carnegie Symposium on Cognition (2000)  
 8<sup>th</sup> annual meeting of the Vision Sciences Society (2008)  
 9<sup>th</sup> annual meeting of the Vision Sciences Society (2009)  
 10<sup>th</sup> annual meeting of the Vision Sciences Society (2010)  
 Occasional Academic Advisor to the Open University of Israel

**Professional Memberships:**

Association for Psychological Science  
 Psychonomic Society  
 Vision Sciences Society  
 Behavioral and Brain Sciences  
 European Society for Cognitive Psychology  
 Configural Processing Consortium

**Invited Addresses and Talks**

Perceptual organization, visual attention, and objecthood. *Embodied Attention Workshop*, Potsdam, April 2016.

Faces as perceptual wholes: The interplay between featural and configural properties in face representation and processing. *International Workshop: On Faces, Bodies and Voices: Multimodal Mechanism of Person Recognition*, Institute for Advanced Studies, Jerusalem, Israel, March 2015.

The perception of hierarchical structure. *Summer school: Perceptual organization: Interdisciplinary approaches and research skills*, KU Leuven, Belgium, August 2014.

Development of perceptual organization. *Summer school: Perceptual organization: Interdisciplinary approaches and research skills*, KU Leuven, Belgium, August 2014.

Faces as perceptual wholes: Integrality of component and configural Properties. *"Wahrnehmung" a public lecture series on Perception*, Technical University of Kaiserslautern, Kaiserslautern, Germany, March 2014.

- Perceptual organization and visual attention. **2013 Rock Memorial Lecture**, *University of California, Berkeley, CA, USA*, April 2013.
- Microgenesis and ontogenesis of visual perceptual organization. **Keynote address**. *The 16th Conference on Attention and Perception*. Chiayi, Taiwan, June 2012.
- Perceptual organization and visual attention. **Keynote address**. *The 16th Conference on Attention and Perception*. Chiayi, Taiwan, June 2012.
- Object recognition and attention. *Rovereto Attention Workshop: Attention and Objects*, Rovereto (TN), Italy, October 2011.
- Faces as perceptual wholes: The interplay between component and configural properties in face processing. **Keynote address**. *5th Meeting of the Configural Processing Consortium*, St. Louis, MO, USA, November 2010.
- Visual attention and perceptual organization. *International Workshop on Selection and Control Mechanisms in Perception and Action*, Institute for Advanced Studies, Jerusalem, Israel, April 2010.
- Object perception: Ontogenesis and microgenesis. *International Workshop on Cognitive Neuroscience, Development and Psychopathology*, Institute for Advanced Studies, Jerusalem, Israel, 2006.
- Visual intelligence. *Institute of Advanced Judicial Studies, Jerusalem*, Israel, 2004.
- Perceptual organization in vision. **2002 Max Wertheimer Lecture**, Johann Wolfgang Goethe-University Frankfurt, Frankfurt, Germany, December 2002.
- Microgenetic analysis of visual perceptual organization. *The 31st Carnegie Symposium on Cognition*, Pittsburgh, PA, USA, June 2000.
- Holistic and component properties: Conceptual issues and empirical findings. *International Conference on Visual Perception of Structure*, Amsterdam, Netherlands, 1998.
- Perceptual organization of visual objects: A microgenetic analysis. *International Conference on Visual Perception of Structure*, Amsterdam, Netherlands, 1998.
- Holistic processing and perceptual organization. *International Workshop on Perceptual Organization and Object Recognition*, Brussels, Belgium, 1992.
- Perception of global and local levels of a visual object: A critical review. **Keynote Address**. *The 6th Annual Conference of the British Psychological Society, Cognitive Psychology Section*, Cambridge, UK, September 1989.
- Perceptual organization and selective attention. *Bat-Sheva International Seminar on Selective Attention in Sensory*, Jerusalem, Israel, 1987.

### **Presentations in Scholarly Conferences**

- Kimchi, R.** Perceptual organization and visual consciousness. *The 42nd European Conference on Visual Perception (ECVP)*, Leuven, Belgium, August 2019.
- Kimchi, R.**, Devyatko, D., & Sabary, S. Role of visual consciousness in perceptual organization. *59th Annual Meeting of the Psychonomic Society*, New Orleans, November 2018.
- Kimchi, R.**, Devyatko, D., & Sabary, S. Configural processing: Is visual consciousness necessary? *The 13th Meeting of Configural Processing Consortium*, New Orleans, November 2018.
- Devyatko, D., Hershman, R., Wagner, M., **Kimchi, R.**, & Henik, A. When the brain fools your eyes: Pupillary response in motion-induced blindness. *The 41st European Conference on Visual Perception (ECVP)*, Trieste, Italy, August 2018.

Devyatko, D., & Sabary, S., & **Kimchi, R.** Is visual awareness necessary for organizing elements into a configuration? *The 5<sup>th</sup> Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2018.

Sabary, S., Devyatko, D., & **Kimchi, R.** Perceptual organization of hierarchical patterns: Grouping local elements into a global configuration requires visual consciousness. *The 5<sup>th</sup> Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2018. *The 41<sup>st</sup> European Conference on Visual Perception (ECVP)*, Trieste, Italy, August 2018.

Devyatko, D., & Sabary, S., & **Kimchi, R.** Can organization into a configuration take place in the absence of visual awareness? *The 40<sup>th</sup> European Conference on Visual Perception (ECVP)*, Berlin, Germany, August 2017. *The 4<sup>th</sup> Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2017.

**Kimchi, R.**, Devyatko, D., & Sabary, S. Can perceptual grouping unfold in the absence of visual consciousness? *The 4<sup>th</sup> Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2017; *The 17<sup>th</sup> Annual Meeting of the Vision Sciences Society*, St. Pete Beach, Florida, USA, May 2017; *The 11<sup>th</sup> Meeting of Configural Processing Consortium*, Boston, November 2016.

Devyatko, D., Sabary, S., & **Kimchi, R.** No evidence for perceptual grouping in the absence of visual consciousness. *The 39<sup>th</sup> European Conference on Visual Perception (ECVP)*, Barcelona, Spain, August 2016.

Rashal, E., **Kimchi, R.**, & Wagemans, J. Depth perception affects figure-ground organization by symmetry under inattention. *The 39<sup>th</sup> European Conference on Visual Perception (ECVP)*, Barcelona, Spain, August 2016.

**Kimchi, R.** The role of perceptual organization in crowding. *International Meeting of the Psychonomic Society*, Granada, Spain, May 2016.

Itkes, O., **Kimchi, R.**, & Kron, A. Dissociating emotional response and knowledge about emotions. *The Animal and Human Emotions*, Erice, Sicily, May 2016.

Itkes, O., **Kimchi, R.**, & Kron, A. Can emotions “mix”? *Society for Affective Science (SAS)*, Chicago, IL, USA, March 2016.

Itkes, O., **Kimchi, R.**, & Kron, A. The representation of mixed emotions in facial expressions. *The 3rd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2016.

Sekely, L., **Kimchi, R.** & Gabay, S. Subcortical involvement in the perception of illusory objects. *The 3rd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2016.

Soloveichick, R., **Kimchi, R.**, & Gabay, S. The involvement of subcortical structures in global-local processing. *The 3rd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2016.

Pirkner, Y., & **Kimchi, R.** Crowding as a diagnostic test for “objecthood”. *The 3rd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2016.

**Kimchi, R.**, & Pirkner, Y. Perceptual organization and crowding. *The 10<sup>th</sup> Meeting of the Configural Processing Consortium*, Chicago, November 2015.

**Kimchi, R.**, & Pirkner, Y. Multiple level crowding: Crowding at the object parts Level and at the object configural level. *Psychonomic Society's 56th Annual Meeting*, Chicago, November 2015.

Itkes, O., **Kimchi, R.**, & Kron, A. Dissociating emotional response and knowledge about emotions. *The 6th International Conference on Emotions, Well-being and Health*, Tilburg, Netherlands, October 2015.

**Kimchi, R.**, Yeshurun, Y., & Spehar, B. Perceptual organization and visual Attention: Stimulus-driven attentional capture by objecthood. *The 38th European Conference on Visual Perception (ECVP)*, Liverpool, UK, August 2015.

Rashal E., Yeshurun Y., & **Kimchi R.** When do we need attention for grouping? *The 38th European Conference on Visual Perception (ECVP)*, Liverpool, UK, August 2015.

**Kimchi R.** Perceptual organization and visual attention: Can perceptual organization affect the automatic deployment of attention? *Max Wertheimer MINERVA Center for Cognitive Processes and Human Performance: The Tenth Meeting of the Advisory Council*. University of Haifa, Israel, March 2015.

Rashal E., Yeshurun Y., & **Kimchi R.** Competition between grouping principles: a primed-matching study. *The 2nd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2015.

Soloveichick, R., **Kimchi, R.**, & Gabay, S. Subcortical involvement of global and local processing. *The 2nd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2015.

Pirkner, Y., & **Kimchi, R.** Multiple levels crowding: Between object parts and between object configural representations. *The 2nd Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2015.

Peterson, M. A., Mojica, A., Salvagio, E., & **Kimchi, R.** Figural cues (not figures) reduce uncertainty regarding target location. *The 9th Meeting of the Configural Processing Consortium*, Long Beach, CA, USA, November 2014.

Baruch O., **Kimchi R.**, & Goldsmith M. Object recognition: covert and overt attention to distinguishing features. *The 37th European Conference on Visual Perception (ECVP)*, Belgrad, Serbia, August 2014.

Rashal E., Yeshurun Y., & **Kimchi R.** Competition between grouping principles: a primed-matching study. *The 37th European Conference on Visual Perception (ECVP)*, Belgrad, Serbia, August 2014.

**Kimchi, R.**, Behrmann, M., Avidan, G., & Amishav, R. Configural and featural information: Integrality in normal face processing, separability in prosopagnosia. *The 14th Annual Meeting of the Vision Sciences Society*, St. Pete Beach, Florida, USA, May 2014.

Rashal, E., Yeshurun, Y., & **Kimchi, R.** Can a competition between grouping principles be resolved without attention? *The 14th Annual Meeting of the Vision Sciences Society*, St. Pete Beach, Florida, USA, May 2014.

Pirkner, Y., & **Kimchi, R.** Surface Features Do Not Guide Object Continuity for Objects in Motion. *The 1st Conference on Cognition Research of the Israeli Society for Cognitive Psychology*, Akko, Israel, February 2014.

**Kimchi, R.**, Behrmann, M., Avidan, G., & Amishav, R. Configural and featural information: Integrality in normal face processing, separability in prosopagnosia. *The Annual Meeting of the Psychonomic Society*, Toronto, Ontario, Canada, November 2013.

**Kimchi, R.** The perceptual interaction between configural and featural facial information in normal face processing and in prosopagnosia. *The 8th Meeting of the Configural Processing Consortium*, York University, Toronto, Canada, November 2013.

Rashal, E., **Kimchi, R.**, & Yeshurun, Y. Competition between grouping principles. *The 13th Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2013.

- Kimchi, R.** Perceptual Organization: Not a monolithic entity but a multiplicity of processes. *Max Wertheimer MINERVA Center for Cognitive Processes and Human Performance: Evaluation Committee Meeting*. University of Haifa, Israel, March 2013.
- Kimchi, R.** Stimulus-driven attentional capture by ‘objecthood’. The 7<sup>th</sup> *Meeting of the Configural Processing Consortium*, University of Minnesota, Minneapolis MN, USA, November 2012.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. Object recognition: attention to distinguishing features. The 20<sup>th</sup> *Annual Conference on Object Perception, Attention, and Memory*, Minneapolis MN, USA, November 2012.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. Object recognition is an interactive iterative process. The 12<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2012.
- Pirkner, Y., & **Kimchi, R.** Surface features do not guide object continuity even when spatiotemporal information is ambiguous. The 27<sup>th</sup> *Annual Meeting of the International Society for Psychophysics*, Raanana, Israel, October 2011.
- Salvagio, E., Mojica, A. J., **Kimchi, R.**, & Peterson, M. Reevaluating whether attention is drawn to figures. The 11<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2011.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. Attention is directed to distinguishing features during object recognition. The 11<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2011.
- Kimchi, R.**, & Amishav, R. Perceptual integrality of componential and configural information in faces. The 10<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2010.
- Kimchi, R.** Discussant, the 4<sup>th</sup> *Meeting of the Configural Processing Consortium*, Tufts University, Boston, Mass, USA, November 2009.
- Kimchi, R.**, Yeshurun, Y., & Sha’shua, G. Perceptual organization influences automatic deployment of attention. The 50<sup>th</sup> *Annual Meeting of the Psychonomic Society*, Boston, Mass, USA, November 2009.
- Mojica, A. J., Salvagio, E., **Kimchi, R.**, & Peterson, M. On the relationship between attention and figure-ground perception. The 9<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2009.
- Amishav, R., & **Kimchi, R.** Perceptual interaction between component and configural properties in face perception. The 49<sup>th</sup> *Annual Meeting of the Psychonomic Society*, Chicago IL, USA, November 2008.
- Amishav, R., & **Kimchi, R.** Perceptual interactions between facial properties. The 16<sup>th</sup> *Annual Conference on Object Perception, Attention, and Memory*, Chicago IL, USA, November 2008.
- Kimchi, R.** Discussant, the 3<sup>rd</sup> *Meeting of the Configural Processing Consortium*, Notre Dame South Bend, Indiana, USA, November 2008.
- Hadad, B., & **Kimchi, R.** Grouping of shape by perceptual closure: Effects of spatial proximity and collinearity. The 8<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2008.
- Yeshurun, Y., **Kimchi, R.**, Sha’shua, G., & Carmel, T. Perceptual objects capture attention. The 8<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2008.
- Kimchi, R.**, & Peterson, M. Figure-ground segmentation can occur without attention. The 8<sup>th</sup> *Annual Meeting of the Vision Sciences Society*, Naples FL, USA, May 2008.
- Kimchi, R.** What does it mean that ‘the whole is different from the sum of its parts’: Explorations with face discrimination. The 2<sup>nd</sup> *Meeting of the Configural Processing Consortium*, Long Beach CA, USA, November 2007.

**Kimchi, R.**, & Peterson, M. Figure-ground segregation can occur under inattention. The 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach CA, USA, November 2007.

**Kimchi, R.** What does it mean that ‘the whole is different from the sum of its parts’? Discussant, the 1<sup>st</sup> Meeting of the Configural Processing Consortium, Rice University Houston, USA, November 2006.

Shomstein, S., **Kimchi, R.**, Hammer, M., & Behrmann, M. The fate of neglected stimuli. The 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston TX, USA, November 2006.

**Kimchi, R.**, & Hadad, B. Developmental trends in utilizing perceptual closure for grouping of shape. The 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston TX, USA, November 2006.

Shomstein, S., Behrmann, M., Hammer, M., & **Kimchi, R.** Neglected Stimuli Influence Perception. The 6<sup>th</sup> Annual Meeting of the Vision Sciences Society, Sarasota FL, USA, May 2006.

**Kimchi, R.** Microgenesis and ontogenesis of perceptual organization. The 6<sup>th</sup> Meeting of the Advisory Council, Max Wertheimer MINERVA Center for Cognitive Processes and Human Performance, University of Haifa, Israel, February 2006.

**Kimchi, R.**, Yeshurun, Y., & Cohen-Savransky, A. Stimulus-driven attentional capture by objecthood. The 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada, November 2005.

Behrmann, M., Thomas, C., **Kimchi, R.**, & Minshew, N. Visual perceptual organization in adults with autism. The 5<sup>th</sup> annual meeting of the Vision Sciences Society, Sarasota, FL, USA, May 2005.

Thomas, C., Behrmann, M., **Kimchi, R.**, & Minshew, N. Global and local visual processing in autism: Insights from heterogeneous hierarchical letter stimuli. The meeting of the Society for Cognitive Neuroscience, New York, NY, USA, April 2005.

Hadad, B., & **Kimchi, R.** Microgenesis and ontogenesis of perceptual organization of line configurations. The meeting of the Israeli Society for Cognitive Psychology, Ramat-Gan, Israel, October 2004.

**Kimchi, R.**, & Razpurker-Apfeld, I. Perceptual grouping and attention: Not all groupings are equal. The meeting of the Israeli Society for Cognitive Psychology, Ramat-Gan, Israel, October 2004.

**Kimchi, R.** Perceptual grouping and attention: Introduction to symposium. The meeting of the Israeli Society for Cognitive Psychology, Ramat-Gan, Israel, October 2004.

**Kimchi, R.**, & Cohen-Savransky, A. The effect of perceptual organization on spontaneous allocation of visual attention. The 4<sup>th</sup> annual meeting of the Vision Sciences Society, Sarasota, FL, USA, April 2004.

**Kimchi, R.**, Hadad, B. Perceptual organization of hierarchical stimuli: A developmental study. The 44<sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver, Canada, November 2003.

Razpurker-Apfeld, I., & **Kimchi, R.** Attentional and temporal aspects of perceptual grouping. The 13<sup>th</sup> Conference of the European Society for Cognitive Psychology, Granada, Spain, September 2003.

Amishav, R., & **Kimchi, R.** Semantic processing of visually presented words: The magical numbers four, and five. The 13<sup>th</sup> Conference of the European Society for Cognitive Psychology, Granada, Spain, September 2003.

Hadad, B., & **Kimchi, R.** Global and local processing of hierarchical patterns: A developmental study. The 13<sup>th</sup> Conference of the European Society for Cognitive Psychology, Granada, Spain, September 2003.



**Kimchi, R.**, & Razpurker-Apfeld, I. Perceptual grouping and attention. The 3<sup>rd</sup> annual meeting of the Vision Sciences Society, Sarasota, FL, USA, May 2003.

Amishav, R., & **Kimchi, R.** The processing of visually presented words: The magical numbers three, four and five. The *Israeli Conference on Cognitive Psychology, Judgment and Decision Making*, Jerusalem, Israel, July 2002.

**Kimchi, R.**, & Hadad, B. Influence of past experience on perceptual grouping. The *Israeli Conference on Cognitive Psychology, Judgment and Decision Making*, Jerusalem, Israel, July 2002.

Razpurker-Apfeld, I. & **Kimchi, R.** Grouping and attention. The *Israeli Conference on Cognitive Psychology, Judgment and Decision Making*, Jerusalem, Israel, July 2002.

**Kimchi, R.** Visual perceptual organization: An overview. The 4<sup>th</sup> Meeting of the Advisory Council, Max Wertheimer MINERVA Center for Cognitive Processes and Human Performance, University of Haifa, Israel, March 2002.

**Kimchi, R.**, & Razpurker-Apfeld, I. Perceptual organization and attention. The 42<sup>nd</sup> Annual Meeting of the Psychonomic Society, Orlando, FL, USA, November 2001.

**Kimchi, R.**, & Hadad, B. Past experience influences early perceptual organization. The 41<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, USA, November 2000.

Behrmann, M., & **Kimchi, R.** Perceptual organization in visual agnosia. The 7<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA, April 2000.

**Kimchi, R.** Perceptual organization of line configuration: A microgenetic analysis. The 39<sup>th</sup> Annual Meeting of the Psychonomic Society, Dallas, USA, November 1998.

**Kimchi, R.** & Navon, D. Line orientation advantage may be due to relative judgment. The 4<sup>th</sup> Meeting of the Israeli Society for Cognitive Psychology, Tel-Aviv, Israel, October 1997.

**Kimchi, R.** The microgenesis of the perceptual organization of hierarchical patterns. The 37<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL, USA, November 1996.

**Kimchi, R.** The microgenesis of the perceptual organization of multi-element visual patterns. The 9<sup>th</sup> Conference of the European Society for Cognitive Psychology, Wurzburg, Germany, September 1996.

**Kimchi, R.** The microgenesis of the representation of multi-element visual patterns. The 3<sup>rd</sup> Meeting of the Israeli Society for Cognitive Psychology, Beer-Sheva, Israel, October 1995.

**Kimchi, R.** Levels of stimulus structure versus levels of properties. The 33<sup>rd</sup> Annual Meeting of the Psychonomic Society, St. Louis, USA, November 1992.

Gopher, D., **Kimchi, R.**, Seagull, J., Catz, I., & Trainin, O. Flying with dichoptic displays: The interplay between display characteristics and attention control. The 35<sup>th</sup> Annual Meeting of the Human Factors Society, Atlanta GA, USA, October 1992.

**Kimchi, R.** The perceptual dominance of configural properties. The 2<sup>nd</sup> Meeting of the Israeli Society for Cognitive Psychology, Tel-Aviv, Israel, October 1992.

**Kimchi, R.** The Perceptual primacy of wholistic properties. The 5<sup>th</sup> Conference of the European Society for Cognitive Psychology, Paris, France, September 1992.

**Kimchi, R.**, Trainin, O., & Gopher, D. Can an eye serve as an effective cue for selective attention? The 32<sup>nd</sup> Annual Meeting of the Psychonomic Society, San Francisco, USA, November 1991.

Gopher, D., Grunwald, A., Straucher, Z., & **Kimchi, R.** Tracking and letter classification under dichoptic and binocular conditions. The 34<sup>th</sup> Annual Meeting of the Human Factors Society, Orlando FL, USA, October 1990.

**Kimchi, R.**, Trainin, O., & Gopher, D. Attention to eye versus attention to spatial location: What is a channel for visual attention? The *1<sup>st</sup> Meeting of the Israeli Society for Cognitive Psychology*, Beer-Sheva, Israel, October 1990.

**Kimchi, R.** Categorization and part-whole perception in children. The *4<sup>th</sup> Meeting of the European Society for Cognitive Psychology*, Como, Italy, September 1990.

**Kimchi, R.**, Rubin, Y., Gopher, D., & Raij, D. Attention in dichoptic and binocular vision. The *33<sup>rd</sup> Annual Meeting of the Human Factors Society*, Denver, USA, October 1989.

**Kimchi, R.** Children's perception of part-whole relationships in visual patterns. The *3<sup>rd</sup> Meeting of the European Society for Cognitive Psychology*, Cambridge, England, September 1988.

**Kimchi, R.** Perceptual organization of visual forms. The *Meeting of the Israeli Psychological Association*, Tel-Aviv, Israel, 1987.

**Kimchi, R.** Dimensional analysis and selective attention. The *2<sup>nd</sup> Meeting of the European Society for Cognitive Psychology*, Madrid, Spain, September 1987.

**Kimchi, R.** Human cognition and information processing. The meeting of the *Western Psychological Association*, San Francisco, USA, 1983.

### **Departmental colloquia/seminars**

Can perceptual organization unfold in the absence of visual consciousness? *School of Optometry and Vision Science, Faculty of Life Sciences, Bar Ilan University, Israel, February 2019.*

Perceptual organization, visual attention, and objecthood. *The Open University, Israel, December 2016. Colloquium of the Experimental/Neuro-Cognitive Psychology Programs, Munich University, April 2015. Colloquium of the Cognitive Psychology and Brain and Cognition Programs, Tel Aviv University, March 2015.*

Perceptual organization and visual attention. *Cognitive Science Colloquium, University of Arizona, Tucson, AZ, USA, April 2013. Cognition & Perception Colloquium, New York University, New York, NY, USA, March 2013*

Faces as perceptual wholes: The interplay between component and configural properties in face processing. *SNAC talk series, University of Haifa, October 2011.*

Visual attention and perceptual organization. *Minerva Workshop, University of Haifa, Israel, 2005.*

Issues in the perceptual organization of visual objects. *Cognitive Seminar, Hebrew University, Jerusalem, Israel, 2004.*

Perceptual grouping: Time course and attentional demands. *Cognitive and Neuropsychological Forum, Ben-Gurion University, Israel, 2002.*

Visual perceptual organization. *Brain and Behavior Seminar, Technion, Israel, 2001.*

Organization of visual forms: Effects of stimulus factors and experience. *Center for the Neural Basis of Cognition, Carnegie Mellon– University of Pittsburgh, Pittsburgh, PA, USA, 2000.*

Perceptual organization of visual objects: A microgenetic approach. *Department of Psychology, Carnegie Mellon University, Pittsburgh, PA, USA, 1999.*

Uniform connectedness and grouping in visual form perception. *Tel Aviv University, Israel, 1997.*

Object perception. *National Institute for Testing and Evaluation, Jerusalem, 1997.*

Perceptual organization in object perception. *Max Planck Institute for Psychological Research, Munich, Germany, 1995.*

- Holistic processing in object perception. *Department of Psychology, University of California, Berkeley, CA, USA, 1994.*
- The role of configural properties in object perception. *Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, IL, USA, 1994.*
- Holistic processes in visual form perception. *Department of Psychology, University of Illinois at Urbana-Champaign, IL, USA, 1993.*
- Configural properties versus global properties in object discrimination and classification. *Nijmegen Institute for Cognition and Information, Nijmegen, Netherlands, 1993.*
- Perceptual primacy of holistic properties. *Cognitive Seminar, Bar-Ilan University, Israel, 1993.*
- Perception of global and local aspects of visual forms. *Cognitive Seminar, Bar-Ilan University, Israel, 1987.*
- Perceptual structure of hierarchical visual forms. *Institute of Information Processing and Decision Making, University of Haifa, Israel, 1985.*
- Perception of form, parts, and texture. *Salk Institute, La Jolla CA, USA, 1985.*
- Dimensional interactions in visual forms. *Center of Human Information Processing, University of California San Diego, La Jolla CA, USA, 1984.*
- Perceived organization of visual pattern. *Department of Psychology, University of California Davis, Davis CA, USA, 1983.*

### **Research Grants**

- Can perceptual organization unfold in the absence of visual consciousness? Israel Science Foundation (ISF). (PI) 2015-2019 (NIS 200,000 per year).
- Perceptual skills in high functioning autism. Ministry of Defense. (PI with Einat Gal, Yoram Bonne, Joel Norman) (NIS 280,000), 2012-2014.
- Role of attention in object recognition: an interactive iterative framework. Israel Science Foundation (ISF). (PI with Morris Goldsmith) (\$164,103), 2010-2014.
- Laboratory for the Study of Dynamic Cognitive Processing. Minerva Foundation (Equipment fund) (EURO 105,000), 2010-2011.
- Perceptual organization and visual Attention: Stimulus-driven attentional capture by a perceptual object. Israel Science Foundation (ISF). (PI) (\$83,942), 2006-2009.
- Visual Perceptual Organization: Psychological and Neural Mechanisms. United States-Israel Binational Science Foundation (BSF). (PI with Marlene Behrmann) (\$150,000), 2000-2003.
- Perceptual individuation and grouping processes in enumeration: Investigation from cognitive and neuropsychological perspectives. Israel Science Foundation (ISF). (PI with Zohar Eviatar) (\$70,821), 1998-2002.
- Conscious and unconscious processes in cognition. Zeit -Stiftung Ebelin Und Gerd Bucerius Foundation. (PI with Asher Koriat, David Navon, Joel Norman, Morris Goldshmit, and Zohar Eviatar) (DM 800,000), 1997-2000.
- Mobile field laboratory of cognitive and ergonomic experiments. Israel Science Foundation (ISF) (Equipment grant, with Asher Koriat and Joel Norman) (\$39,000), 1997.
- Max Planc Foundation. Fund awarded for the establishment of Max Wertheimer MINERVA Center for Cognitive Processes and Human Performance. (PI with Asher Koriat, Daniel Gopher, Joel Norman, Morris Goldsmith, and Ido Erev) (DM 4,000,000 endowment fund + DM 240,000 for scientific equipment), 1996-2019.

The microgenesis of the perceptual organization of visual patterns. Israel Foundations Trustees. (PI) (\$25,000), 1996-1998.

The perceptual primacy of holistic properties. Israeli Academy of Sciences and Humanities. (PI) (\$54,000), 1991-1994.

Perceptual and attentional processes in dichoptic vision. NASA, USA. (PI with Daniel Gopher) (\$175,000), 1987-1991.

Is a stimulus in a pattern a texture molecule or a figural part? Israeli Academy of Sciences and Humanities. (PI with David Navon) (\$20,000), 1987-1990.

Hemispheric processing of local form, global form, and texture. University of Haifa, Research Authority. (PI), 1987-1988.

### **Scholarships and Awards**

Rock Memorial Lecture, University of California Berkeley, CA, 2013.

Elected Fellow, Association for Psychological Science, 2006.

Max Wertheimer Lecture, Johann Wolfgang Goethe-University, Frankfurt, 2002.

University of Haifa Research Authority Award for receiving very high scores in external grants, 1995-1998; 2003-2005.

Technion V.P.R. Fund - Henri Gutwirth Fund for the Promotion of Research, 1986-1987.

University Graduate Fellowship, University of California Berkeley, 1979-1982.

American Association of University Women International Fellowship, 1979-1980.

E.A.P. Scholarship, University of California Berkeley, 1976-1977; 1978-1979.

Fulbright Fellowship, 1976-1982

Hebrew University Graduate Scholarship, 1971-1973.

### **Teaching**

#### *a. Courses Taught*

##### ***Undergraduate:***

Experimental Psychology; Statistics for Psychologists; Cognitive Development;  
Research Seminar: Selected issues in Object perception; Research Seminar: Selected  
issues in Perceptual organization

##### ***Graduate:***

Sensation and Perception; Attention and Performance; Object Perception in Adults and  
Children; Object and Face Perception; Visual Cognition; Perceptual Organization;  
Attention and Consciousness; Research Practicum; Advanced Research Practicum

#### *b. Supervision of Graduate and Post-graduate Students*

##### ***Ph.D.***

Yossef Pirkner (2017); Einat Rashal (2016); Orit Baruch (2012); Yaron Alima (2010);  
Rama Amishav (2009); Batsheva Hadad (2006, summa cum laude);  
Irene Razpurker-Apfeld (2002)

##### ***M.A./M.Sc.***

Shahar Sabary (2019); Guy Sha'shoua (in progress); Joshua Kotler (2017); Ruth Peled  
(2014); Yossef Pirkner (2012); Sari Eran (2011); Barak Sofer (2006); Aliza Cohen-  
Savransky (2005); Ido Nagid (2005); Ortal Saroff (2003); Rama Amishav (2002);  
Elisheva Peled (2000)

Batsheva Hadad (2000); Anat Sulitzeanu-Kenan (1998); Rakefet Arbel (1998); Ori Trainin (1993); Anat Telem (co-supervised with S. Rakover; 1992); Ronen Kesten (co-supervised with D. Navon; 1990); Yifat Rubin (1989); Ilana Merhav (1988); Cynthia Bigio (1988)  
Yoram Lavon (co-supervised with Z. Eilam; 1988).

**Post Doctorate Students**

Dr. Dina Devyatko (2014-2018)

Dr. Andrei Teodorescu (2016-2018)

## PUBLICATIONS

- Hadad, B., Russo, N., **Kimchi, R.**, Babineau, V., & Burack, J. (2019). Typical utilization of Gestalt grouping cues in shape perception by persons with ASD. *Perception, 48*(12), 1175–1196. DOI: 10.1177/0301006619874681
- Devyatko, D., Sabary, S., & **Kimchi, R.** (2019). Perceptual organization of line configurations: Is visual awareness necessary? *Consciousness and Cognition, 70*, 101-115. doi.org/10.1016/j.concog.2019.02.005
- Kimchi, R.**, Devyatko, D., & Sabary, S. (2018). Can perceptual grouping unfold in the absence of awareness? Comparing grouping during continuous flash suppression and sandwich masking. *Consciousness and Cognition, 60*, 37-51. doi.org/10.1016/j.concog.2018.02.009.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. (2018). Attention to distinguishing features in object recognition: An interactive-iterative framework. *Cognition, 170*, 228-244. http://dx.doi.org/10.1016/j.cognition.2017.10.007
- Hadad, B., & **Kimchi, R.** (2018). Perceptual completion of partly occluded contours during childhood. *Journal of Experimental Child Psychology, 167*, 49-61.
- Barbot, A., Liu, S., **Kimchi, R.**, & Carrasco, M. (2018). Attention enhances apparent perceptual organization. *Psychonomic Bulletin & Review, 25*:1824–1832. DOI 10.3758/s13423-017-1365-x
- Pirkner Y. & **Kimchi, R.** (2017). Crowding and perceptual organization: Target’s objecthood influences the relative strength of part-level and configural-level crowding. *Journal of Vision, 17*(11):7, 1–18, doi:10.1167/17.11.7.
- Rashal, E. Yeshurun, Y. & **Kimchi, R.** (2017). Attentional requirements in perceptual grouping depend on the processes involved in the organization. *Attention, Perception & Psychophysics, 79*, 2073–2087. DOI 10.3758/s13414-017-1365-y
- Itkes, O, **Kimchi, R.**, Haj Ali, H., Shapiro, A., & Kron, A. (2017). Dissociating affective and semantic valence. *Journal of Experimental Psychology: General, 146*, 924-942. http://dx.doi.org/10.1037/xge0000291
- Rashal, E. Yeshurun, Y. & **Kimchi, R.** (2017). The time course of the competition between grouping organizations. *Journal of Experimental Psychology: Human Perception and Performance, 43*(3), 608–618.
- Peterson, M. A., Mojica, A. J., Salvagio, E., & **Kimchi, R.** (2017). Figural properties are prioritized for search under conditions of uncertainty: Setting boundary conditions on claims that figures automatically attract attention. *Attention, Perception & Psychophysics, 79*:180–199.
- Kimchi, R.**, Yeshurun, Y., Spehar, B., & Pirkner, Y. (2016). Perceptual organization, visual attention, and objecthood. *Vision Research, 126*, 34-51. doi:10.1016/j.visres.2015.07.008
- Kimchi, R.**, & Pirkner, Y. (2015). Multiple level crowding: Crowding at the object parts level and at the object configural level. *Perception 44*(11), 1275–1292, DOI: 10.1177/0301006615594970
- Kimchi, R.** (2015). The perception of hierarchical structure. In J. Wagemans (Ed.), *Oxford Handbook of Perceptual Organization* (pp. 129-149). Oxford University Press: Oxford, UK.
- Behrmann, M., Richler, J. J., Avidan, G., & **Kimchi, R.** (2015). Holistic face perception. In J. Wagemans (Ed.), *Oxford Handbook of Perceptual Organization* (758-774). Oxford University Press: Oxford, UK.

- Baruch, O., **Kimchi, R.**, & Goldsmith, M. (2014). Attention to Distinguishing Features in Object Recognition. *Visual Cognition*, 22:9-10, 1184-1215, DOI: 10.1080/13506285.2014.987860
- Kimchi, R.**, & Pirkner Y. (2014). Surface features congruency effects in the object-reviewing paradigm are dependent on task memory demands. *Psychonomic Bulletin & Review*, 21(4), 1019-25.
- Peterson, M. A., & **Kimchi, R.** (2013). Perceptual organization in vision. In D. Reisberg (Ed.), *Oxford Handbook of Cognitive Psychology* (pp. 9-31). New York: Oxford University Press.
- Kimchi, R.**, Behrmann, M., Avidan, G., & Amishav, R. (2012). Perceptual separability of featural and configural information in congenital prosopagnosia. *Cognitive Neuropsychology*, 29:5-6, 447-463, doi: 10.1080/02643294.2012.752723
- Wagemans, J., Feldman, J., Gepshtein, S., **Kimchi, R.**, Pomerantz, J. R., van der Helm, P. A., & van Leeuwen, C. (2012). A century of Gestalt psychology in visual perception: II. Conceptual and theoretical foundations. *Psychological Bulletin*, 138(6), 1218-1252.
- Kimchi, R.** (2012). Ontogenesis and microgenesis of visual perceptual organization. In J. A. Burack, J. T. Enns, & N. A. Fox (Eds.), *Cognitive Neuroscience, Development, and Psychopathology* (pp. 101-131). New York: Oxford University Press.
- Pirkner, Y., & **Kimchi, R.** (2011). Surface features do not guide object continuity even when spatiotemporal information is ambiguous. In D. Algom, D. Zakay, E. Chajut, S. Shaki, Y. Mama, & V. Shakuf (Eds.), *Fechner Day 2011* (pp. 299-304). Raanana, Israel: International Society for Psychophysics.
- Kimchi, R.**, & Amishav, R. (2010). Faces as perceptual wholes: The interplay between component and configural properties in face processing. *Visual Cognition*, 18(7), 1034-1062.
- Amishav, R., & **Kimchi, R.** (2010). Perceptual integrality of componential and configural information in face processing. *Psychonomic Bulletin & Review*, 17(5), 743-748.
- Shomstein, S., **Kimchi, R.**, Hammer, M., & Behrmann, M. (2010). Perceptual grouping operates independently of attentional selection. *Attention, Perception & Psychophysics*, 72(3), 607-618.
- Behrmann, M., Shomstein, S., & **Kimchi, R.** (2010). Conscious awareness of methodological choices: A reply to Milberg and McGlinchey. *Attention, Perception & Psychophysics*, 72(3), 622-627.
- Kimchi, R.** (2009). Perceptual organization and visual attention. *Progress in Brain Research*, 176, 15-33.
- Yeshurun, Y., **Kimchi, R.**, Sha'shoua, G., & Carmel, T. (2009). Perceptual objects capture attention. *Vision Research*, 49, 1329-1335.
- Kimchi, R.**, Amishav, R., & Sulitzeanu-Kenan, A. (2009). Gender differences in global-local perception? Evidence from orientation and shape judgments. *Acta Psychologica*, 130, 64-71.
- Scherf, K. S., Behrmann, M., **Kimchi, R.**, & Luna, B. (2009). Emergence of global shape processing continues through adolescence. *Child Development*, 80, 162-177.
- Kimchi, R.**, & Peterson, M. A. (2008). Figure-ground segmentation can occur without attention. *Psychological Science*, 19(7), 660-668.
- Amishav, R., & **Kimchi, R.** (2008). Perceptual interactions between facial properties. *Visual Cognition*, 16, 1093-1097.

- Hadad, B., & **Kimchi, R.** (2008). Time course of grouping of shape by perceptual closure: Effects of spatial proximity and collinearity. *Perception & Psychophysics*, *70*, 818-827.
- Scherf, K. S., Luna, B., **Kimchi, R.**, Minshew, N., & Behrmann, M. (2008). Missing the big picture: Impaired development of global shape processing in autism. *Autism Research*, *1*, 114-129.
- Kimchi, R.**, Yeshurun Y., & Cohen-Savransky, A. (2007). Automatic, stimulus-driven attentional capture by objecthood. *Psychonomic Bulletin & Review*, *14*(1), 166-172.
- Razpurker-Apfeld, I., & **Kimchi, R.** (2007). Time course of perceptual grouping: The role of segregation and shape formation. *Perception & Psychophysics*, *69*, 732-743.
- Hadad, B. & **Kimchi, R.** (2006). Developmental trends in utilizing closure for grouping of shape: Effects of spatial proximity and collinearity. *Perception & Psychophysics*, *68*(8), 1264-1273.
- Behrmann M., Avidan, G., Leonard, G. L., **Kimchi, R.**, Luna, B., Humphreys, K., & Minshew, N. (2006). Configural processing in autism and its relationship to face processing. *Neuropsychologia*, *44*, 1, 110-129.
- Behrmann, M., Avidan, G., Marotta, J. J., & **Kimchi, R.** (2005). Detailed exploration of face-related processing in congenital prosopagnosia: 1. Behavioral findings. *Journal of Cognitive Neuroscience*, *17*:7, 1130-1149.
- Kimchi, R.**, & Hadad, B., Behrmann, M., & Palmer, S. (2005). Microgenesis and ontogenesis of perceptual organization: Evidence from global and local processing of hierarchical patterns. *Psychological Science*, *16*, 282-290.
- Kimchi, R.**, & Razpurker-Apfeld, I. (2004). Perceptual grouping and attention: Not all groupings are equal. *Psychonomic Bulletin & Review*, *11*, 687-696.
- Navon, D., & **Kimchi, R.** (2004). The Beck effect is back, now in color: A demonstration. *Psychonomic Bulletin & Review*, *11*, 98-103.
- Kimchi, R.**, Behrmann, M., & Olson, C. (Eds.) (2003). *Perceptual organization in vision: Behavioral and neural perspectives*. Mahwah, NJ: Erlbaum.
- Behrmann, M., & **Kimchi, R.** (2003). Visual perceptual organization: Lessons from lesions. In R. Kimchi, M. Behrmann, & C. R. Olson (Eds.), *Perceptual organization in vision: Behavioral and neurobiological perspectives* (pp. 337-375). Hillsdale, NJ: Erlbaum.
- Kimchi, R.** (2003). Visual perceptual organization: A microgenetic analysis. In R. Kimchi, M. Behrmann, & C. R. Olson (Eds.), *Perceptual organization in vision: Behavioral and neurological perspectives* (pp. 117-153). Hillsdale, NJ: Erlbaum.
- Kimchi, R.** (2003). Relative dominance of holistic and component properties in perceptual organization of visual objects. In M. Peterson, & G. Rhodes (Eds.), *Perception of faces, objects, and scenes: Analytic and holistic processes* (pp. 235-268). Oxford University Press.
- Behrmann, M., & **Kimchi, R.** (2003). What does visual agnosia tell us about perceptual organization and its relationship to object perception? *Journal of Experimental Psychology: Human Perception and Performance*, *29*, 19-42.
- Kimchi, R.**, & Hadad, B. (2002). Influence of past experience on perceptual grouping. *Psychological Science*, *13*, 41-47.
- Meinecke, C., & **Kimchi, R.**, & Grandegger, C. (2002). A reversal in the direction of detection asymmetry: Effects of spatial density, spatial regularity, and retinal eccentricity. *Perception & Psychophysics*, *64*, 829-843.
- Kimchi, R.** (2000). Perceptual organization of visual objects: A microgenetic analysis. *Vision Research*, *40*, 1333-1347.



- Kimchi, R.**, & Navon, D. (2000). Relative judgment seems to be the key: Revisiting the Beck effect. *Journal of Experimental Psychology: Human Perception and Performance*, *26*, 789–805.
- Kimchi, R.**, & Bloch, B. (1998). Dominance of configural properties in visual form perception. *Psychonomic Bulletin & Review*, *5*, 135-139.
- Kimchi, R.** (1998) Uniform connectedness and grouping in the perceptual organization of hierarchical patterns. *Journal of Experimental Psychology: Human Perception and Performance*, *24*, 1105-1118.
- Kimchi, R.** (1995). Concept. In *Encyclopedia Hebraica* (M. Feldman, Ed.). Tel Aviv: Sifriyat Poalim. (Hebrew).
- Kimchi, R.**, Trainin, O., & Gopher, D. (1995). Can attention be directed voluntarily to an eye? *Acta Psychologica*, *89*, 229-238.
- Kimchi, R.** (1994). The role of wholistic/configural properties versus global properties in visual form perception. *Perception*, *23*, 489-504.
- Kimchi, R.** (1993). Basic-level categorization and part-whole perception in children. *Bulletin of the Psychonomic Society*, *31*, 23-26.
- Kimchi, R.**, Gopher, D., Rubin, Y., & Raij, D. (1993). Performance under dichoptic and binocular viewing conditions: Effects of attention and task requirements. *Human Factors*, *35*, 35-55.
- Kimchi, R.** (1992). Primacy of wholistic processing and global/local paradigm: A critical review. *Psychological Bulletin*, *112*, 24-38.
- Kimchi, R.**, & Goldsmith, M. (1992). Structure and process in perceptual organization. In B. Burns (Ed.), *Percepts, concepts, and categories: The representation and processing of information* (pp. 76-105). Amsterdam: Elsevier Science Publications.
- Kimchi, R.**, & Goldsmith, M. (1992). Commentary on Essock. In B. Burns (Ed.), *Percepts, concepts, and categories: The representation and processing of information* (pp. 37-38). Amsterdam: Elsevier Science Publications.
- Gopher, D., **Kimchi, R.**, Seagull, J., Catz, I., & Trainin, O. (1992). Flying with dichoptic displays: The interplay between display characteristic and attention control. *Proceedings of the Human Factors Society*, *2*, 1469-1573.
- Koriat, A., Norman, J., & **Kimchi, R.** (1991). The recognition of rotated letters: Extracting transformational invariance across successive and simultaneous stimuli. *Journal of Experimental Psychology: Human Perception and Performance*, *17*, 444-457.
- Kimchi, R.**, & Merhav, I. (1991). Hemispheric processing of global form, local form, and texture. *Acta Psychologica*, *76*, 133-147.
- Kimchi, R.** (1990). Children's perceptual organization of hierarchical visual patterns. *The European Journal of Cognitive Psychology*, *2*, 133-149.
- Gopher, D. Grunwald, A. Straucher, Z., & **Kimchi, R.** (1990). Tracking and letter classification under dichoptic and binocular conditions. *Proceedings of the Human Factors Society*, *2*, 1557-1561.
- Kimchi, R.**, Rubin, Y., Gopher, D., & Raij, D. (1989). Attention in dichoptic and binocular vision. *Proceedings of the Human Factors Society*, *2*, 1435-1439.
- Gopher, D., & **Kimchi, R.** (1989). Engineering psychology. *Annual Review of Psychology*, *40*, 431-455.
- Kimchi, R.** (1988). Selective attention to global and local levels in the comparison of hierarchical patterns. *Perception & Psychophysics*, *43*, 189-198.

- Raij, D., Gopher, D., & **Kimchi, R.** (1987). Perceptual and motor determinants of efficient data entry. *Proceedings of the Human Factors Society*, 2, 820-824.
- Palmer, S. E., & **Kimchi, R.** (1986). The information processing approach to cognition. In T. J. Knapp & L. Robertson (Eds.), *Approaches to cognition: Contrasts and controversies* (pp. 37-77). Hillsdale, NJ: Erlbaum.
- Kimchi, R.**, & Palmer, S. E. (1985). Separability and integrality of global and local levels of hierarchical patterns. *Journal of Experimental Psychology: Human Perception and Performance*, 11, 673-688.
- Kimchi, R.**, & Palmer, S. E. (1982). Form and texture in hierarchically constructed patterns. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 521-535.
- Kimchi, R.** (1982). Mental effort and task interference in auditory attention. *Perception & Psychophysics*, 32, 473-480.

### Under Review

- Soloveichick, M., **Kimchi, R.**, & Gabay, S. Functional involvement of subcortical structures in global-local processing. *Cognition*.
- Sabary, S., Devyatko, D., & **Kimchi, R.** The role of visual awareness in processing of global structure: Evidence from the perceptual organization of hierarchical patterns. *Cognition*.

### Published Abstracts

- Devyatko, D., & Sabary, S., & **Kimchi, R.** (2017). Can organization into a configuration take place in the absence of visual awareness? *European Conference on Visual Perception 2017, Abstract Book*. p. 201-202.
- Kimchi, R.**, Devyatko, D., & Sabary, S. (2017). "Can perceptual grouping unfold in the absence of visual consciousness?" *Journal of Vision* 17(10): 170-170.
- Devyatko, D., Sabary, S., & **Kimchi, R.** (2016). No evidence for perceptual grouping in the absence of visual consciousness. *Perception* 45(S2), p. 36.
- Rashal, E., **Kimchi, R.**, & Wagemans, J. (2016). Depth perception affects figure-ground organization by symmetry under inattention. *Perception* 45(S2), p. 256.
- Kimchi, R.**, & Pirkner, Y. (2015). Multiple level crowding: Crowding at the object parts level and at the object configural level. *Abstracts of the Psychonomic Society*, 48(225).
- Kimchi, R.**, Yeshurun, Y., & Spehar, B. (2015). Perceptual Organization and Visual Attention: Attentional Capture by Objecthood. *Perception* 44(S1), p. 194.
- Rashal, E., Yeshurun, Y., & **Kimchi, R.** (2015). When do we need attention for grouping? *Perception* 44(S1), p. 250.
- Kimchi, R.**, & Pirkner, Y. (2014). Multiple levels of crowding. *Abstracts of the Psychonomic Society*, 51(237).
- Rashal E., Yeshurun Y., & **Kimchi R.** (2014). Competition between grouping principles: a primed-matching study. *Perception* 43 ECVF Abstract Supplement, p. 176.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. (2014). Object recognition: covert and overt attention to distinguishing features. *Perception* 43 ECVF Abstract Supplement, p. 27.
- Kimchi, R.**, Behrmann, M., Avidan, G., & Amishav, R. (2014). Configural and featural facial information: integrality in normal face processing, separability in prosopagnosia. *Journal of Vision*, 14(10): 206; doi:10.1167/14.10.206

- Rashal, E., Yeshurun, Y., & **Kimchi, R.** (2014). Can a competition between grouping principles be resolved without attention? *Journal of Vision*, *14*(10): 805; doi:10.1167/14.10.805
- Rashal, E., **Kimchi, R.**, & Yeshurun, Y. (2013). Competition between grouping principles. *Journal of Vision*, *13*(9), 823.
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. (2012). Object Recognition is an Interactive Iterative Process. *Journal of Vision*, *12*(9): 270; doi:10.1167/12.9.270
- Baruch, O., **Kimchi, R.**, & Goldsmith, M. (2011). Attention is directed to distinguishing features during object recognition. *Journal of Vision*, *11*(11): 866; doi:10.1167/11.11.866.
- Salvagio, E., Mojica, A., **Kimchi, R.**, & Peterson, M. (2011). Reevaluating whether attention is drawn to figures. *Journal of Vision*, *11*(11): 1104; doi:10.1167/11.11.1104.
- Kimchi, R.**, & Amishav, R. (2010). Interactive Processing of Componential and Configural Information in Face Perception. *Journal of Vision*, *10*(7): 675; doi:10.1167/10.7.675.
- Kimchi, R.**, Yeshurun, Y., & Sha'shoua, G. (2009). Perceptual organization influences automatic deployment of attention. *Abstracts of the Psychonomic Society*, 8(56).
- Mojica, A., Salvagio, E., **Kimchi, R.**, & Peterson, M. A. (2009). On the relationship between attention and figure-ground perception [Abstract]. *Journal of Vision*, *9*(8):937, 937a, <http://journalofvision.org/9/8/937/>, doi:10.1167/9.8.937.
- Kimchi, R.**, & Peterson, M. A. (2008). Figure-ground segmentation can occur without attention [Abstract]. *Journal of Vision*, *8*(6):825, 825a, <http://journalofvision.org/8/6/825/>, doi:10.1167/8.6.825.
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- Amishav, R., & **Kimchi, R.** (2008). Perceptual Interaction between Component and Configural Properties in Face Perception. *Abstracts of the Psychonomic Society*, 69(2001).
- Hadad, B.-S., & **Kimchi, R.** (2008). Grouping of shape by perceptual closure: Effects of spatial proximity and collinearity [Abstract]. *Journal of Vision*, *8*(6):582, 582a, <http://journalofvision.org/8/6/582/>, doi:10.1167/8.6.582.
- Yeshurun, Y., **Kimchi, R.**, Sha'shoua, G., & Carmel, T. (2008). Perceptual objects capture attention [Abstract]. *Journal of Vision*, *8*(6):1122, 1122a, <http://journalofvision.org/8/6/1122/>, doi:10.1167/8.6.1122.
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- Shomstein, S., Behrmann, M., & **Kimchi, R.** (2006). Neglected stimuli influence perception [Abstract]. *Journal of Vision*, *6*(6):302, 302a, <http://journalofvision.org/6/6/302/>, doi:10.1167/6.6.302.
- Thomas, C., Behrmann, M., **Kimchi, R.**, & Minshew, N. (2005). Global and local visual processing in autism: Insights from heterogeneous hierarchical patterns. *Journal of Cognitive neuroscience*, *111*, Suppl. S.
- Kimchi, R.**, Yeshurun, Y., & Cohen-Savransky, A. (2005). Stimulus-driven attentional capture by objecthood. *Abstracts of the Psychonomic Society*, 13(83).
- Behrmann, M., Thomas, C., **Kimchi, R.**, & Minshew, N. (2005). Visual perceptual organization in adults with autism [Abstract]. *Journal of Vision*, *5*(8):283, 283a, <http://journalofvision.org/5/8/283/>, doi:10.1167/5.8.283.

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- Kimchi, R. & Razpurker-Apfeld, I.** (2003). Perceptual grouping and attention [Abstract]. *Journal of Vision*, 3(9):766, 766a, <http://journalofvision.org/3/9/766/>, doi:10.1167/3.9.766.
- Kimchi, R., Hadad, B.** (2003). Perceptual organization of hierarchical stimuli: A developmental study. *Abstracts of the Psychonomic Society*, 77(159).
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