

Eye Movements and Pupillometry

1. Confirmation of required specifications for cognitive function tests based on eye-movement-measuring devices

Mitsunobu Kunimi

2. Fixational Eye Movements As Bio-Markers For Visual Acuity

Michael Lellouch, Ohad Ben-Shahar

3. Eye Movement Patterns in Visual Expertise for Print

Evgenia Kouki, Evangelos Paraskevopoulos, George Spanoudis, TIMOTHY C. PAPADOPOULOS

4. Eye movements in facial expression recognition

Sofya Klumova, Galina Menshikova

5. Gaze characterization of ophthalmic lenses wearers with a new algorithm of pupil position estimation

Clara Benedi-Garcia, Pablo Concepcion-Grande, Marta Alvarez, Carmen Cano, Jose Miguel Cleva, Eva Chamorro

6. Fixation Stability in Reading and Non-reading Task

Evita Serpa, Gunta Krumina, Evita Kassaliete, Aiga Svede, Ilze Ceple, Liva Volberga, Rita Mikelsons, Asnate Berzina, Viktorija Goliskina, Sofija Vasiljeva, Marija Koleda, Madara Alecka, Elizabete Ozola, Daniela Toloka

7. Transsaccadic perception of changes in image regularity

Nino Sharvashidze, Matteo Valsecchi, Alexander C. Schutz

8. Feature-tuned properties and underlying neural mechanisms of short-latency stimulus-driven ocular position drift responses

Tatiana Malevich, Fatemeh Khademi, Tong Zhang, Matthias P. Baumann, Antimo Buonocore, Ziad M. Hafed

9. Spatial and temporal image statistics of fixated vs non-fixated regions in viewing artworks

Branka Spehar, Vicente Estrada-Gonzalez, Michael Garbutt, Scott East

10. Coupling of eye movement to the visuospatial representations

Ziva Korda, Sonja Walcher, Christof Korner, Mathias Benedek

11. WALD-EM: Wald Accumulation for Locations and Durations of Eye Movements

Simon Kucharsky, Ingmar Visser, Maartje Raijmakers

12. Fixational eye movements form fine stereoacuity

Anna Ptukha

13. Effects of the nature of the context on contextual saccadic adaptation

Maxime Martel, Laurent Madelain

14. Exploring the Relationship Between Gaze and Movement Transitions During Natural Human Walking on Different Terrains

Christiane Wiebel-Herboth, Martina Hasenjäger

15. Comparison of saccades in athletes and non-athletes

Angelina Ganebnaya, Jekaterina Berkova, Alona Purmale, Līga Puhova, Mariya Misri, Svetlana Semjonova, Alīna Kucika, Davids Davis Gailitis, Atis Kovaļovs, Aiga Švede

16. Developing an Indicator of Cognitive Load Using Pupillometry

Daniel Frazer, John Cass, Gabrielle Weidemann, Tamara Watson

17. Vision relaxation with a new device EyeRoll
Līga Puhova, Aiga Švede, Svetlana Semjonova, Alīna Kučika, Angelina Ganebnaya, Dmitry Gromov, Kulsum Baig Fatima
18. Dissociating temporal expectations in the perceptual and oculomotor domains
Neil Roach, Ahmad Syazwan Muhammad Kamal, Paul McGraw, Chris Scholes
19. Pupil Size Reveals Imagination: Pupillary Response in Visual Imagery
Sin Wan, Sharon Hon, Sing-Hang CHEUNG
20. Is Eye Movement Latency Variation as a Predictor of Cognitive Impairment ?
Trevor Crawford, Megan Polden
21. Effect of eye movements and finger pointing on auditory spatial perception
Saranya Tarat, Chaipat Chunharas, Sedthapong Chunamchai
22. Predicting Multiple-Target Search Performance Using Eye Movements and Individual Differences
Kayley Birch-Hurst, Alice M Jones, Angela Ong, Kayleigh M Stoker, Melvyn L Smith, Wenhao Zhang, Kait Clark
23. Sight translation in L2: evidence from eye-tracking
Tatiana Petrova
24. Development of functional spatial span measure in reading
Natália Máximo, Victoria Menegon, Marcelo Fernandes Costa
25. The use of progressive lenses while going upstairs or downstairs: an eye-tracker study
Amelia Gonzalez, Clara Benedi-Garcia, Pablo Concepcion-Grande, Jose Miguel Cleva, Eva Chamorro
26. Robust storage for a large variety of stimulus features across saccades, but not across peripheral-tofoveal retinal shifts during fixation
Arne Stein, Lukasz Grzeczowski, Martin Rolfs
27. Pupillary responses to perceived glossiness and attractiveness
Hideki Tamura, Shigeki Nakauchi, Tetsuto Minami
28. Verbal labels influence target identification process in visual search
Maxim Morozov
29. I spy with my little eye... an anchor object! How anchor objects modulate eye movements during visual search
Deliane Bechar, Aylin Kallmayer, Melissa Le-Hoa Vo
30. Individual differences in gaze strategies when performing the same task: an example from stair climbing
Andrea Ghiani, Daan Amelink, Eli Brenner, Ignace Hooge, Roy Hessels
31. Looking versus searching: Inhibition of return in an extended saccade sequencing paradigm
Christof Körner, Margit Hofler, Florian F. Thaler, Iain D. Gilchrist
32. Does individual gaze lead to individual visual representations?
Petra Borovska, Benjamin de Haas
33. A pupillometry study of reward and uncertainty in exploratory decision making
Zoe He, Maeva L'Hotellier, Alexander Paunov, Dalin Guo, Florent Meyniel, Angela Yu
34. Pupil responses reveal detection rates beyond reports in choice blindness
Pablo Grassi, Emre Baytimur, Lena Hoeppe, Andreas Bartels
35. Microsaccade size reflects spatial demands on internal selective attention in the oculomotor system
Baiwei Liu, Zampeta-Sofia Alexopoulou, Anne Zonneveld, Freek van Ede

Perception & Action Poster Session

36. Temporal dynamics of size constancy for perception and action with real objects at real distances
Simona Noviello, Saman Songhorabadi Kamari, Juan Chen, Chao Zheng, Angelo Pisani, Elena Franchin, Enrica Pierotti, Elena Tonolli, Simona Monaco, Louis Renoult, Irene Sperandio

37. Visual perception can learn from action. A study of cross-modal cue recruitment.
Lionel Louiset, Timothy Carroll, Guy Wallis

38. Lexical Access to Function Understanding is Influenced by the Objects Utilized for an Action
Lea Alexandra Müller Karoza, Sandro Luca Wiesmann, Melissa Le-Hoa Vo

39. Adaptation of forearm orientation inhibited by visual information
Atsuki Higashiyama

40. Assessment of biophilic design and impact on visual perception in patient rooms
Maria Englezou, Kleanthis Neokleous, Fotos Frangoudes, Kalli Koulloufidou

41. Obstacle Perception: A Heatmap-based Comparison of Human and Machine Alignment Focus Points
Aikaterini Karakasidi, Marios Thoma, Periklis Perikleous, Harris Partaourides, Zenonas Theodosiou, Loizos Michael, Andreas Lanitis

42. Effects of accuracy demands and light level on hand movements in a grasp-and-place task
Constanze Hesse, Martin Giesel

43. Exploratory hand movements affect perceived material attributes in a dimension-specific way
Fatma Kılıc, Dicle Dövençioğlu

44. Slightly perturbing the arm influences choices between multiple targets
Veronika Hadjipanayi, Eli Brenner, Emily M. Crowe

45. Effects of dynamic alterations of depth cues during continuous dynamic interaction
Francesca Peveri, Silvio Paolo Sabatini, Andrea Canessa

46. Variation in the location of the visual egocentre measured using a monocular and binocular sighting task
Yalige Ba, Paul McGraw, Timothy Ledgeway