Kenneth Holmqvist

List of Publications by Year
in descending order

82 papers	4,121 citations	136740 32 h-index	138251 58 g-index
84 all docs	84 docs citations	84 times ranked	3070 citing authors

#	Article	IF	Citations
1	An adaptive algorithm for fixation, saccade, and glissade detection in eyetracking data. Behavior Research Methods, 2010, 42, 188-204.	2.3	464
2	The influence of calibration method and eye physiology on eyetracking data quality. Behavior Research Methods, 2013, 45, 272-288.	2.3	210
3	Eye tracker data quality. , 2012, , .		206
4	Reading information graphics: The role of spatial contiguity and dual attentional guidance. Applied Cognitive Psychology, 2009, 23, 1215-1226.	0.9	164
5	Threats to the validity of eye-movement research in psychology. Behavior Research Methods, 2018, 50, 1645-1656.	2.3	159
6	One algorithm to rule them all? An evaluation and discussion of ten eye movement event-detection algorithms. Behavior Research Methods, 2017, 49, 616-637.	2.3	140
7	Pictures and Spoken Descriptions Elicit Similar Eye Movements During Mental Imagery, Both in Light and in Complete Darkness. Cognitive Science, 2006, 30, 1053-1079.	0.8	129
8	Conveying clinical reasoning based on visual observation via eye-movement modelling examples. Instructional Science, 2012, 40, 813-827.	1.1	127
9	What to expect from your remote eye-tracker when participants are unrestrained. Behavior Research Methods, 2018, 50, 213-227.	2.3	120
10	How a picture facilitates the process of learning from text: Evidence for scaffolding. Learning and Instruction, 2013, 28, 48-63.	1.9	118
11	Entry points and reading paths on newspaper spreads: comparing a semiotic analysis with eye-tracking measurements. Visual Communication, 2006, 5, 65-93.	0.6	116
12	It depends on how you look at it: Scanpath comparison in multiple dimensions with MultiMatch, a vector-based approach. Behavior Research Methods, 2012, 44, 1079-1100.	2.3	112
13	Using machine learning to detect events in eye-tracking data. Behavior Research Methods, 2018, 50, 160-181.	2.3	108
14	A vector-based, multidimensional scanpath similarity measure. , 2010, , .		107
15	What speakers do and what addressees look at. Pragmatics and Cognition, 2006, 14, 53-82.	0.2	105
16	Eye movements during scene recollection have a functional role, but they are not reinstatements of those produced during encoding.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 1289-1314.	0.7	101
17	Eye tracking in Educational Science: Theoretical frameworks and research agendas. Journal of Eye Movement Research, 2017, 10, .	0.5	97
18	Sampling frequency and eye-tracking measures: how speed affects durations, latencies, and more. Journal of Eye Movement Research, 2010, 3, .	0.5	96

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19	Keeping an eye on gestures: Visual perception of gestures in face-to-face communication. Pragmatics and Cognition, 1999, 7, 35-63.	0.2	87
20	Reading or Scanning? A Study of Newspaper and Net Paper Reading. , 2003, , 657-670.		73
21	Combined eyetracking and keystroke-logging methods for studying cognitive processes in text production. Behavior Research Methods, 2009, 41, 337-351.	2.3	73
22	Post-saccadic oscillations in eye movement data recorded with pupil-based eye trackers reflect motion of the pupil inside the iris. Vision Research, 2013, 92, 59-66.	0.7	64
23	Right visual field advantage in parafoveal processing: Evidence from eye-fixation-related potentials. Brain and Language, 2009, 111, 101-113.	0.8	60
24	Tracking Restorative Components: Patterns in Eye Movements as a Consequence of a Restorative Rating Task. Landscape Research, 2013, 38, 101-116.	0.7	59
25	Semantic Override of Low-level Features in Image Viewing â€" Both Initially and Overall. Journal of Eye Movement Research, 2008, 2, .	0.5	57
26	Visual expertise in paediatric neurology. European Journal of Paediatric Neurology, 2012, 16, 161-166.	0.7	56
27	Fit-for-duty test for estimation of driversâ€™ sleepiness level: Eye movements improve the sleep/wake predictor. Transportation Research Part C: Emerging Technologies, 2013, 26, 20-32.	3.9	56
28	gazeNet: End-to-end eye-movement event detection with deep neural networks. Behavior Research Methods, 2019, 51, 840-864.	2.3	55
29	Looking at the keyboard or the monitor: relationship with text production processes. Reading and Writing, 2010, 23, 835-851.	1.0	51
30	The pupil is faster than the corneal reflection (CR): Are video based pupil-CR eye trackers suitable for studying detailed dynamics of eye movements?. Vision Research, 2016, 128, 6-18.	0.7	50
31	READING MATHEMATICS REPRESENTATIONS: AN EYE-TRACKING STUDY. International Journal of Science and Mathematics Education, 2015, 13, 237-259.	1.5	46
32	A study of artificial eyes for the measurement of precision in eye-trackers. Behavior Research Methods, 2017, 49, 947-959.	2.3	46
33	The art of braking: Post saccadic oscillations in the eye tracker signal decrease with increasing saccade size. Vision Research, 2015, 112, 55-67.	0.7	39
34	Effect of button location on driver's visual behaviour and safety perception. Ergonomics, 2005, 48, 399-410.	1.1	35
35	Eye movements and reading comprehension while listening to preferred and non-preferred study music. Psychology of Music, 2012, 40, 339-356.	0.9	34
36	Differential privacy for eye-tracking data. , 2019, , .		29

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37	Characterizing gaze position signals and synthesizing noise during fixations in eye-tracking data. Behavior Research Methods, 2020, 52, 2515-2534.	2.3	29
38	Small eye movements cannot be reliably measured by video-based P-CR eye-trackers. Behavior Research Methods, 2020, 52, 2098-2121.	2.3	29
39	Effects of detailed illustrations on science learning: an eye-tracking study. Instructional Science, 2017, 45, 557-581.	1.1	21
40	Effect of compressed offline foveated video on viewing behavior and subjective quality. ACM Transactions on Multimedia Computing, Communications and Applications, 2010, 6, 1-14.	3.0	19
41	Exploring the lack of a disfluency effect: evidence from eye movements. Metacognition and Learning, 2016, 11, 71-88.	1.3	19
42	How task demands influence scanpath similarity in a sequential number-search task. Vision Research, 2018, 149, 9-23.	0.7	19
43	All good readers are the same, but every low-skilled reader is different: an eye-tracking study using PISA data. European Journal of Psychology of Education, 2018, 33, 521-541.	1.3	18
44	A method for quantifying focused versus overview behavior in AOI sequences. Behavior Research Methods, 2011, 43, 987-998.	2.3	17
45	Searching with and against each other: Spatiotemporal coordination of visual search behavior in collaborative and competitive settings. Attention, Perception, and Psychophysics, 2019, 81, 666-683.	0.7	17
46	Compensation of head movements in mobile eye-tracking data using an inertial measurement unit. , 2014, , .		13
47	Influence of Coactors on Saccadic and Manual Responses. I-Perception, 2017, 8, 204166951769281.	0.8	13
48	Improving the Accuracy of Video-Based Eye Tracking in Real Time through Post-Calibration Regression. , 2014, , 77-100.		12
49	Teachers' gaze over space and time in a real-world classroom. Journal of Eye Movement Research, 2020, 13, .	0.5	12
50	Investigation of viewing procedures for interpretation of breast tomosynthesis image volumes: a detection-task study with eye tracking. European Radiology, 2013, 23, 997-1005.	2.3	11
51	The Mental Image Revealed by Gaze Tracking. , 2019, , .		11
52	Is apparent fixational drift in eye-tracking data due to filters or eyeball rotation?. Behavior Research Methods, 2021, 53, 311-324.	2.3	11
53	Teachers' Professional Vision: Teachers' Gaze During the Act of Teaching and After the Event. Frontiers in Education, 2021, 6, .	1.2	11
54	Enlightened: the art of finger reading*. Studia Linguistica, 2008, 62, 249-260.	0.1	10

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55	A Primer on Eye-Tracking Methodology for Behavioral Science. , 2019, , 53-64.		10
56	Discourse intervention strategies in Alzheimer's disease: Eye-tracking and the effect of visual cues in conversation. Dementia E Neuropsychologia, 2014, 8, 278-284.	0.3	9
57	Dog eye movements are slower than human eye movements. Journal of Eye Movement Research, 2019, 12, .	0.5	8
58	Advert saliency distracts children's visual attention during task-oriented internet use. Frontiers in Psychology, 2014, 5, 51.	1.1	7
59	Swedish Pastureâ€"An Exploration of Perceptual Attributes and Categorisation. Landscape Research, 2014, 39, 402-416.	0.7	6
60	Material Distortion of Economic Behaviour and Everyday Decision Quality. Journal of Consumer Policy, 2013, 36, 389-402.	0.6	5
61	Small head movements increase and colour noise in data from five video-based Pâ€"CR eye trackers. Behavior Research Methods, 2021, , 1.	2.3	5
62	The mean point of vergence is biased under projection. Journal of Eye Movement Research, 2019, 12, .	0.5	5
63	Code Reviews in C++. , 2020, , .		5
64	Princess Antonomasia and the Truth: Two Types of Metonymic Relations. , 2010, , 373-382.		5
65	Optimizing viewing procedures of breast tomosynthesis image volumes using eye tracking combined with a free response human observer study. Proceedings of SPIE, 2011, , .	0.8	4
66	Flipping the stimulus: Effects on scanpath coherence?. Behavior Research Methods, 2017, 49, 382-393.	2.3	4
67	Variable resolution images and their effects on eye movements during free viewing. , 2007, , .		3
68	Computational discrimination between natural images based on gaze during mental imagery. Scientific Reports, 2020, 10, 13035.	1.6	3
69	Validation of a prototype hybrid eye-tracker against the DPI and the Tobii Spectrum. , 2020, , .		3
70	Evaluating three approaches to binary event-level agreement scoring. A reply to Friedman (2020). Behavior Research Methods, 2021, 53, 325-334.	2.3	2
71	Conceptual Engineering. Pragmatics and Beyond New Series, 1999, , 153.	0.3	2
72	Deriving and evaluating eye-tracking controlled volumes of interest for variable-resolution video compression. Journal of Electronic Imaging, 2007, 16, 013006.	0.5	1

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73	Gaze patterns reveal how situation models and text representations contribute to episodic text memory. Cognition, 2018, 175, 53-68.	1.1	1
74	Searching with and against each other. Journal of Vision, 2017, 17, 222.	0.1	1
75	Conceptualized Deviations from Expected Normality: A Semantic Comparison Between Lexical Items Ending in -ful and -less. Nordic Journal of Linguistics, 1996, 19, 3-33.	0.4	0
76	Perceiving and Producing the Frog Story. , 2005, , 289-302.		0
77	Can horizontally oriented breast tomosynthesis image volumes or the use of a systematic search strategy improve interpretation? An eye tracking and free response human observer study. , 2011, , .		0
78	The impact of sound presentations on executive control: Evidence from eye movements. Psychology of Music, 2016, 44, 996-1011.	0.9	0
79	A consensus-based elastic matching algorithm for mapping recall fixations onto encoding fixations in the looking-at-nothing paradigm. Behavior Research Methods, 2021, 53, 2049-2068.	2.3	0
80	Handling Grammar in a Cognitive Grammar Parser. , 1991, , 505-512.		0
81	6. Apprentissage des langues et étude du comportement langagier en temps réel. , 2009, , 433-448.		0
82	How to improve data quality in dog eye tracking. Behavior Research Methods, 0, , .	2.3	0