Sebastiaan MathÃ´t

List of Publications by Year
in descending order

52	4,007	304368	205818
papers	citations	22 h-index	48 g-index

66	66	66	3469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OpenSesame: An open-source, graphical experiment builder for the social sciences. Behavior Research Methods, 2012, 44, 314-324.	2.3	1,638
2	Pupillometry: Psychology, Physiology, and Function. Journal of Cognition, 2018, 1, 16.	1.0	380
3	Safe and sensible preprocessing and baseline correction of pupil-size data. Behavior Research Methods, 2018, 50, 94-106.	2.3	248
4	PyGaze: An open-source, cross-platform toolbox for minimal-effort programming of eyetracking experiments. Behavior Research Methods, 2014, 46, 913-921.	2.3	232
5	ScanMatch: A novel method for comparing fixation sequences. Behavior Research Methods, 2010, 42, 692-700.	2.3	193
6	The Pupillary Light Response Reveals the Focus of Covert Visual Attention. PLoS ONE, 2013, 8, e78168.	1.1	177
7	New Light on the Mindâ€™s Eye. Current Directions in Psychological Science, 2015, 24, 374-378.	2.8	131
8	The pupillary light response reflects eye-movement preparation.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 28-35.	0.7	77
9	The pupillary light response reflects exogenous attention and inhibition of return. Journal of Vision, 2014, 14, 7-7.	0.1	62
10	Gradual Remapping Results in Early Retinotopic and Late Spatiotopic Inhibition of Return. Psychological Science, 2010, 21, 1793-1798.	1.8	60
11	Pupillary Responses to Words That Convey a Sense of Brightness or Darkness. Psychological Science, 2017, 28, 1116-1124.	1.8	59
12	Visual attention and stability. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 516-527.	1.8	58
13	Evidence for the predictive remapping of visual attention. Experimental Brain Research, 2010, 200, 117-122.	0.7	57
14	The Mind-Writing Pupil: A Human-Computer Interface Based on Decoding of Covert Attention through Pupillometry. PLoS ONE, 2016, 11, e0148805.	1.1	47
15	Tests of a model of multi-word reading: Effects of parafoveal flanking letters on foveal word recognition. Acta Psychologica, 2014, 146, 35-40.	0.7	40
16	A reinvestigation of the reference frame of the tilt-adaptation aftereffect. Scientific Reports, 2013, 3, 1152.	1.6	36
17	MEGALEX: A megastudy of visual and auditory word recognition. Behavior Research Methods, 2018, 50, 1285-1307.	2.3	36
18	Intrasaccadic perception triggers pupillary constriction. PeerJ, 2015, 3, e1150.	0.9	32

#	Article	IF	Citations
19	Tuning the Senses: How the Pupil Shapes Vision at the Earliest Stage. Annual Review of Vision Science, 2020, 6, 433-451.	2.3	31
20	Large pupils predict goal-driven eye movements.. Journal of Experimental Psychology: General, 2015, 144, 513-521.	1.5	30
21	Object-based eye movements: The eyes prefer to stay within the same object. Attention, Perception, and Psychophysics, 2010, 72, 597-601.	0.7	26
22	Free-viewing multi-stimulus eye tracking task to index attention bias for alcohol versus soda cues: Satisfactory reliability and criterion validity. Addictive Behaviors, 2020, 100, 106117.	1.7	26
23	Effects of number, complexity, and familiarity of flankers on crowded letter identification. Journal of Vision, 2014, 14, 7-7.	0.1	24
24	From reorienting of attention to biased competition: Evidence from hemifield effects. Attention, Perception, and Psychophysics, 2010, 72, 651-657.	0.7	23
25	The pupillary light response reflects encoding, but not maintenance, in visual working memory.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1716-1723.	0.7	23
26	The effect of pupil size and peripheral brightness on detection and discrimination performance. PeerJ, 2019, 7, e8220.	0.9	22
27	Can you have multiple attentional templates? Large-scale replications of Van Moorselaar, Theeuwes, and Olivers (2014) and Hollingworth and Beck (2016). Attention, Perception, and Psychophysics, 2019, 81, 2700-2709.	0.7	21
28	Parallel graded attention in reading: A pupillometric study. Scientific Reports, 2018, 8, 3743.	1.6	18
29	Touch-induced pupil size reflects stimulus intensity, not subjective pleasantness. Experimental Brain Research, 2019, 237, 201-210.	0.7	18
30	Pupil Mimicry is the Result of Brightness Perception of the Iris and Pupil. Journal of Cognition, 2018, 1, 32.	1.0	18
31	Exogenous object-centered attention. Attention, Perception, and Psychophysics, 2013, 75, 812-818.	0.7	17
32	Flank to the left, flank to the right: Testing the modified receptive field hypothesis of letter-specific crowding. Journal of Cognitive Psychology, 2013, 25, 774-780.	0.4	16
33	A Retinotopic Attentional Trace after Saccadic Eye Movements: Evidence from Event-related Potentials. Journal of Cognitive Neuroscience, 2013, 25, 1563-1577.	1.1	15
34	Concurrent guidance of attention by multiple working memory items: Behavioral and computational evidence. Attention, Perception, and Psychophysics, 2020, 82, 2950-2962.	0.7	11
35	Conducting Linguistic Experiments Online With OpenSesame and OSWeb. Language Learning, 2022, 72, 1017-1048.	1.4	11
36	The pupillary light response reflects visual working memory content.. Journal of Experimental Psychology: Human Perception and Performance, 2019, 45, 1522-1528.	0.7	9

#	Article	IF	Citations
37	Interactions Between Visual Working Memory, Attention, and Color Categories: A Pupillometry Study. Journal of Cognition, 2022, 5, .	1.0	9
38	There is no evidence that pupil mimicry is a social phenomenon. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11565.	3.3	8
39	The influence of pupil responses on subjective brightness perception. Perception, 2022, 51, 370-387.	0.5	7
40	Categorical bias as a crucial parameter in visual working memory: The effect of memory load and retention interval. Cortex, 2022, 154, 311-321.	1.1	7
41	Visual saliency influences ethical blind spots and (dis)honesty. Psychonomic Bulletin and Review, 2019, 26, 1719-1728.	1.4	6
42	The World (of Warcraft) through the eyes of an expert. PeerJ, 2017, 5, e3783.	0.9	5
43	Object-centered orienting and IOR. Attention, Perception, and Psychophysics, 2014, 76, 2249-2255.	0.7	4
44	Coordination effort in joint action is reflected in pupil size. Acta Psychologica, 2021, 215, 103291.	0.7	4
45	Mantra: an open method for object and movement tracking. Behavior Research Methods, 2011, 43, 1182-1193.	2.3	3
46	Effects of task difficulty and attentional breadth on tonic and phasic pupil size. Journal of Vision, 2019, 19, 282a.	0.1	3
47	A Practical Guide to Functional Magnetic Resonance Imaging with Simultaneous Eye Tracking for Cognitive Neuroimaging Research. Neuromethods, 2019, , 291-305.	0.2	2
48	The mind-writing pupil: near-perfect decoding of visual attention with pupillometry. Journal of Vision, 2015, 15, 176.	0.1	2
49	Don't admit defeat: A new dawn for the item in visual search. Behavioral and Brain Sciences, 2017, 40, e159.	0.4	0
50	Temptation shapes dishonesty and can alter working memory. Current Psychology, 0, , 1.	1.7	0
51	The pupillary light response reflects encoding, but not maintenance, in visual working memory. Journal of Vision, 2016, 16, 363.	0.1	0
52	Pupil size, locus coeruleus, emotional intensity, and eye movements during unconstrained movie viewing. Journal of Vision, 2019, 19, 252c.	0.1	0