Antje Nuthmann

List of Publications by Year
in descending order

		201385	189595
51 papers	3,478 citations	27 h-index	50 g-index
55 all docs	55 docs citations	55 times ranked	1898 citing authors

#	Article	IF	Citations
1	SWIFT: A Dynamical Model of Saccade Generation During Reading.. Psychological Review, 2005, 112, 777-813.	2.7	811
2	Tracking the mind during reading: The influence of past, present, and future words on fixation durations.. Journal of Experimental Psychology: General, 2006, 135, 12-35.	1.5	438
3	CRISP: A computational model of fixation durations in scene viewing.. Psychological Review, 2010, 117, 382-405.	2.7	208
4	Object-based attentional selection in scene viewing. Journal of Vision, 2010, 10, 20-20.	0.1	185
5	Mislocated fixations during reading and the inverted optimal viewing position effect. Vision Research, 2005, 45, 2201-2217.	0.7	152
6	Single-trial classification of EEG in a visual object task using ICA and machine learning. Journal of Neuroscience Methods, 2014, 228, 1-14.	1.3	131
7	Flexible saccade-target selection in Chinese reading. Quarterly Journal of Experimental Psychology, 2010, 63, 705-725.	0.6	128
8	How do the regions of the visual field contribute to object search in real-world scenes? Evidence from eye movements.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 342-360.	0.7	96
9	The effect of word position on eye-movements in sentence and paragraph reading. Quarterly Journal of Experimental Psychology, 2010, 63, 1838-1857.	0.6	83
10	Your mind wanders weakly, your mind wanders deeply: Objective measures reveal mindless reading at different levels. Cognition, 2012, 125, 179-194.	1.1	83
11	Overt attention in natural scenes: Objects dominate features. Vision Research, 2015, 107, 36-48.	0.7	70
12	Fixation durations in scene viewing: Modeling the effects of local image features, oculomotor parameters, and task. Psychonomic Bulletin and Review, 2017, 24, 370-392.	1.4	67
13	The IOVP effect in mindless reading: Experiment and modeling. Vision Research, 2007, 47, 990-1002.	0.7	62
14	An examination of binocular reading fixations based on sentence corpus data. Journal of Vision, 2009, 9, 31-31.	0.1	62
15	Time's arrow and pupillary response. Psychophysiology, 2005, 42, 306-317.	1.2	61
16	Time course of pseudoneglect in scene viewing. Cortex, 2014, 52, 113-119.	1.1	48
17	Object-based saccadic selection during scene perception: Evidence from viewing position effects. Journal of Vision, 2013, 13, 2-2.	0.1	47
18	Fixation-related Brain Potentials during Semantic Integration of Object–Scene Information. Journal of Cognitive Neuroscience, 2020, 32, 571-589.	1.1	47

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19	On the visual span during object search in real-world scenes. Visual Cognition, 2013, 21, 803-837.	0.9	43
20	Using CRISP to model global characteristics of fixation durations in scene viewing and reading with a common mechanism. Visual Cognition, 2012, 20, 457-494.	0.9	42
21	Mindless reading revisited: An analysis based on the SWIFT model of eye-movement control. Vision Research, 2009, 49, 322-336.	0.7	40
22	Eye guidance during real-world scene search: The role color plays in central and peripheral vision. Journal of Vision, 2016, 16, 3.	0.1	39
23	Eye movement control during scene viewing: Immediate effects of scene luminance on fixation durations.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 318-322.	0.7	37
24	A new approach to modeling the influence of image features on fixation selection in scenes. Annals of the New York Academy of Sciences, 2015, 1339, 82-96.	1.8	36
25	Eye movement control in scene viewing and reading: Evidence from the stimulus onset delay paradigm.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 10-15.	0.7	30
26	Asymmetrical control of fixation durations in scene viewing. Vision Research, 2014, 100, 38-46.	0.7	30
27	Beyond Gist. Psychological Science, 2014, 25, 1087-1097.	1.8	27
28	How Well Can Saliency Models Predict Fixation Selection in Scenes Beyond Central Bias? A New Approach to Model Evaluation Using Generalized Linear Mixed Models. Frontiers in Human Neuroscience, 2017, 11, 491.	1.0	25
29	Self-Consistent Estimation of Mislocated Fixations during Reading. PLoS ONE, 2008, 3, e1534.	1.1	24
30	Eye movements during reading of randomly shuffled text. Vision Research, 2010, 50, 2600-2616.	0.7	24
31	Scene perception from central to peripheral vision. Journal of Vision, 2017, 17, 6.	0.1	22
32	Salient in space, salient in time: Fixation probability predicts fixation duration during natural scene viewing. Journal of Vision, 2016, 16, 13.	0.1	17
33	Disentangling the mechanisms underlying infant fixation durations in scene perception: A computational account. Vision Research, 2017, 134, 43-59.	0.7	17
34	Salience-based object prioritization during active viewing of naturalistic scenes in young and older adults. Scientific Reports, 2020, 10, 22057.	1.6	16
35	No Evidence for a Saccadic Range Effect for Visually Guided and Memory-Guided Saccades in Simple Saccade-Targeting Tasks. PLoS ONE, 2016, 11, e0162449.	1.1	16
36	Extrafoveal attentional capture by object semantics. PLoS ONE, 2019, 14, e0217051.	1.1	14

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37	The effect of target salience and size in visual search within naturalistic scenes under degraded vision. Journal of Vision, 2021, 21, 2.	0.1	14
38	Picture-word matching: Flexibility in conceptual memory and pupillary responses. Psychophysiology, 2003, 40, 904-913.	1.2	13
39	Mechanisms of saccadic decision making while encoding naturalistic scenes. Journal of Vision, 2015, 15, 21.	0.1	13
40	Fixation durations in natural scene viewing are guided by peripheral scene content. Journal of Vision, 2020, 20, 15.	0.1	10
41	A binocular moving window technique to study the roles of the two eyes in reading. Visual Cognition, 2014, 22, 259-282.	0.9	9
42	On the relative (un)importance of foveal vision during letter search in naturalistic scenes. Vision Research, 2020, 177, 41-55.	0.7	8
43	Dynamic text presentation on smart glasses: A pilot evaluation in age-related macular degeneration. British Journal of Visual Impairment, 2020, 38, 24-37.	0.5	7
44	An iterative algorithm for the estimation of the distribution of mislocated fixations during reading. , 2007, , 319-337.		7
45	A Computational Dual-Process Model of Fixation-Duration Control in Natural Scene Viewing. Computational Brain & Behavior, 2021, 4, 463-484.	0.9	5
46	Preferred viewing locations: a validation and an extension. Perception, 2009, 38, 901-2; discussion 905-6.	0.5	5
47	Not fixating at the line of text comes at a cost. Attention, Perception, and Psychophysics, 2013, 75, 1604-1609.	0.7	3
48	Visual search in naturalistic scenes from foveal to peripheral vision: A comparison between dynamic and static displays. Journal of Vision, 2022, 22, 10.	0.1	2
49	Saccadic Scrolling: Speed Reading Strategy Based on Natural Eye Movements. , 2016, , .		1
50	Salience-based object prioritization during natural-scene viewing in elderly and young adults. Journal of Vision, 2018, 18, 379.	0.1	0
51	On the 'Where' and 'When' of Eye Guidance in Real-World Scenes. Journal of Eye Movement Research, 2019, 12, .	0.5	0