

Wolfgang Einhäuser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1205029/publications.pdf>

Version: 2024-02-01

95
papers

4,512
citations

126708

33
h-index

114278

63
g-index

101
all docs

101
docs citations

101
times ranked

3941
citing authors

#	ARTICLE	IF	CITATIONS
1	Pupillometry as an integrated readout of distinct attentional networks. Trends in Neurosciences, 2022, 45, 635-647.	4.2	70
2	Perceptual Difficulty Persistently Increases Dominance in Binocular Rivalry—Even Without a Task. Perception, 2021, 50, 343-366.	0.5	0
3	Parameter dependence in visual pattern-component rivalry at onset and during prolonged viewing. Vision Research, 2021, 182, 69-88.	0.7	1
4	Gaze During Locomotion in Virtual Reality and the Real World. Frontiers in Neuroscience, 2021, 15, 656913.	1.4	10
5	Pupillometry in auditory multistability. PLoS ONE, 2021, 16, e0252370.	1.1	4
6	Icy road ahead—rapid adjustments of gaze—gait interactions during perturbed naturalistic walking. Journal of Vision, 2021, 21, 11.	0.1	4
7	Intraindividual Consistency Between Auditory and Visual Multistability. Perception, 2020, 49, 119-138.	0.5	4
8	Anterior insula reflects surprise in value-based decision-making and perception. NeuroImage, 2020, 210, 116549.	2.1	38
9	Picture-evoked changes in pupil size predict learning success in children. Journal of Experimental Child Psychology, 2020, 192, 104787.	0.7	8
10	Fixation durations in natural scene viewing are guided by peripheral scene content. Journal of Vision, 2020, 20, 15.	0.1	10
11	Saliency-based object prioritization during active viewing of naturalistic scenes in young and older adults. Scientific Reports, 2020, 10, 22057.	1.6	16
12	Optimizing user interfaces in food production: gaze tracking is more sensitive for A-B-testing than behavioral data alone. , 2020, , .		2
13	Using Attentional Modulation of the Pupillary Light Response to Study the Mechanisms Underlying Object-Based Attention.. Journal of Vision, 2020, 20, 1215.	0.1	0
14	Icy road ahead — gaze during perturbed walking. Journal of Vision, 2020, 20, 559.	0.1	0
15	Induced pupil oscillations characterize the size of the attentional window at different levels of attentional load. Journal of Vision, 2019, 19, 102.	0.1	0
16	Action-based predictions affect visual perception, neural processing, and pupil size, regardless of temporal predictability. Journal of Vision, 2019, 19, 290b.	0.1	0
17	Parameter dependence of first and subsequent percepts in visual tri-stability. Journal of Vision, 2019, 19, 62c.	0.1	0
18	Cognition modulates action-to-perception transfer in ambiguous perception. Journal of Vision, 2018, 18, 5.	0.1	7

#	ARTICLE	IF	CITATIONS
19	Continuous flash suppression: Manual action affects eye movements but not the reported percept. <i>Journal of Vision</i> , 2018, 18, 8.	0.1	5
20	Visual Awareness in Binocular Rivalry Modulates Induced Pupil Fluctuations. <i>Journal of Cognition</i> , 2018, 1, 12.	1.0	2
21	Saliency-based object prioritization during natural-scene viewing in elderly and young adults. <i>Journal of Vision</i> , 2018, 18, 379.	0.1	0
22	Biological motion distorts size perception. <i>Scientific Reports</i> , 2017, 7, 42576.	1.6	2
23	Newly acquired audio-visual associations bias perception in binocular rivalry. <i>Vision Research</i> , 2017, 133, 121-129.	0.7	10
24	Attention in natural scenes: Affective-motivational factors guide gaze independently of visual saliency. <i>Vision Research</i> , 2017, 133, 161-175.	0.7	30
25	The Pupil as Marker of Cognitive Processes. <i>Cognitive Science and Technology</i> , 2017, , 141-169.	0.2	46
26	Motivational Objects in Natural Scenes (MONS): A Database of >800 Objects. <i>Frontiers in Psychology</i> , 2017, 8, 1669.	1.1	2
27	How Well Can Saliency Models Predict Fixation Selection in Scenes Beyond Central Bias? A New Approach to Model Evaluation Using Generalized Linear Mixed Models. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 491.	1.0	25
28	Using binocular rivalry to tag foreground sounds: Towards an objective visual measure for auditory multistability. <i>Journal of Vision</i> , 2017, 17, 34.	0.1	8
29	Audio-visual Interactions in Multistable Perception: Evidence from No-report Paradigms. <i>Journal of Vision</i> , 2017, 17, 1215.	0.1	0
30	Salient in space, salient in time: Fixation probability predicts fixation duration during natural scene viewing. <i>Journal of Vision</i> , 2016, 16, 13.	0.1	17
31	Eye movements of patients with schizophrenia in a natural environment. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2016, 266, 43-54.	1.8	32
32	Evidence from pupillometry and fMRI indicates reduced neural response during vicarious social pain but not physical pain in autism. <i>Human Brain Mapping</i> , 2015, 36, 4730-4744.	1.9	75
33	Reward modulates perception in binocular rivalry. <i>Journal of Vision</i> , 2015, 15, 11-11.	0.1	63
34	Effects of aging on eye movements in the real world. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 46.	1.0	99
35	Visual Search in the Real World: Color Vision Deficiency Affects Peripheral Guidance, but Leaves Foveal Verification Largely Unaffected. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 680.	1.0	4
36	Fronto-insula network activity explains emotional dysfunctions in juvenile myoclonic epilepsy: Combined evidence from pupillometry and fMRI. <i>Cortex</i> , 2015, 65, 219-231.	1.1	25

#	ARTICLE	IF	CITATIONS
37	Overt attention in natural scenes: Objects dominate features. <i>Vision Research</i> , 2015, 107, 36-48.	0.7	70
38	Neural pathways of embarrassment and their modulation by social anxiety. <i>NeuroImage</i> , 2015, 119, 252-261.	2.1	97
39	Competition with and without priority control: linking rivalry to attention through winner-take-all networks with memory. <i>Annals of the New York Academy of Sciences</i> , 2015, 1339, 138-153.	1.8	2
40	A new approach to modeling the influence of image features on fixation selection in scenes. <i>Annals of the New York Academy of Sciences</i> , 2015, 1339, 82-96.	1.8	36
41	Introduction to <i>Competitive Visual Processing Across Space and Time: Attention, Memory, and Prediction</i> . <i>Annals of the New York Academy of Sciences</i> , 2015, 1339, v-viii.	1.8	1
42	Gaze in Visual Search Is Guided More Efficiently by Positive Cues than by Negative Cues. <i>PLoS ONE</i> , 2015, 10, e0145910.	1.1	12
43	Rapid serial processing of natural scenes: Color modulates detection but neither recognition nor the attentional blink. <i>Journal of Vision</i> , 2014, 14, 4-4.	0.1	7
44	Binocular Rivalry: Frontal Activity Relates to Introspection and Action But Not to Perception. <i>Journal of Neuroscience</i> , 2014, 34, 1738-1747.	1.7	284
45	Pupil responses allow communication in locked-in syndrome patients. <i>Current Biology</i> , 2013, 23, R647-R648.	1.8	79
46	Attention in natural scenes: contrast affects rapid visual processing and fixations alike. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130067.	1.8	26
47	Pupil size signals novelty and predicts later retrieval success for declarative memories of natural scenes. <i>Journal of Vision</i> , 2013, 13, 11-11.	0.1	84
48	Attentional selection in visual perception, memory and action: a quest for cross-domain integration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130053.	1.8	24
49	Objects and saliency: Reply to Borji et al.. <i>Journal of Vision</i> , 2013, 13, 20-20.	0.1	6
50	How to Become a Mentalist: Reading Decisions from a Competitor's Pupil Can Be Achieved without Training but Requires Instruction. <i>PLoS ONE</i> , 2013, 8, e73302.	1.1	10
51	Fixations on objects in natural scenes: dissociating importance from salience. <i>Frontiers in Psychology</i> , 2013, 4, 455.	1.1	28
52	Animal detection and identification in natural scenes: Image statistics and emotional valence. <i>Journal of Vision</i> , 2012, 12, 25-25.	0.1	40
53	Mind the step: complementary effects of an implicit task on eye and head movements in real-life gaze allocation. <i>Experimental Brain Research</i> , 2012, 223, 233-249.	0.7	57
54	Validation of mobile eye-tracking as novel and efficient means for differentiating progressive supranuclear palsy from Parkinson's disease. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 88.	1.0	44

#	ARTICLE	IF	CITATIONS
55	Perceptual benefits of objecthood. <i>Journal of Vision</i> , 2011, 11, 8-8.	0.1	14
56	Pupil dilation signals surprise: evidence for noradrenaline's role in decision making. <i>Frontiers in Neuroscience</i> , 2011, 5, 115.	1.4	359
57	Perceptual Rivalry: Reflexes Reveal the Gradual Nature of Visual Awareness. <i>PLoS ONE</i> , 2011, 6, e20910.	1.1	135
58	Faces in Places: Humans and Machines Make Similar Face Detection Errors. <i>PLoS ONE</i> , 2011, 6, e25373.	1.1	4
59	Getting real—sensory processing of natural stimuli. <i>Current Opinion in Neurobiology</i> , 2010, 20, 389-395.	2.0	29
60	Tri-stable stimuli reveal interactions among subsequent percepts: Rivalry is biased by perceptual history. <i>Vision Research</i> , 2010, 50, 818-828.	0.7	25
61	Online action-to-perception transfer: Only percept-dependent action affects perception. <i>Vision Research</i> , 2010, 50, 2633-2641.	0.7	30
62	Pupil dilation betrays the timing of decisions. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 18.	1.0	117
63	Gaze allocation in natural stimuli: Comparing free exploration to head-fixed viewing conditions. <i>Visual Cognition</i> , 2009, 17, 1132-1158.	0.9	86
64	Effects of luminance contrast and its modifications on fixation behavior during free viewing of images from different categories. <i>Vision Research</i> , 2009, 49, 1541-1553.	0.7	42
65	Automatic computation of an image's statistical surprise predicts performance of human observers on a natural image detection task. <i>Vision Research</i> , 2009, 49, 1620-1637.	0.7	11
66	Eye-Head Coordination during Free Exploration in Human and Cat. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 353-366.	1.8	24
67	Distinct Roles for Eye and Head Movements in Selecting Salient Image Parts during Natural Exploration. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 188-193.	1.8	15
68	Saliency on a natural scene background: Effects of color and luminance contrast add linearly. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1337-1352.	0.7	34
69	Decoding What People See from Where They Look: Predicting Visual Stimuli from Scanpaths. <i>Lecture Notes in Computer Science</i> , 2009, , 15-26.	1.0	14
70	Task-demands can immediately reverse the effects of sensory-driven saliency in complex visual stimuli. <i>Journal of Vision</i> , 2008, 8, 2.	0.1	222
71	Pupil dilation reflects perceptual selection and predicts subsequent stability in perceptual rivalry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1704-1709.	3.3	304
72	Reply to Hupé et al. : The predictive correlation of pupil dilation and relative dominance durations in rivalry is not a statistical artifact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, .	3.3	0

#	ARTICLE	IF	CITATIONS
73	Spatial attention increases performance but not subjective confidence in a discrimination task. Journal of Vision, 2008, 8, 7.	0.1	82
74	Salient features in gaze-aligned recordings of human visual input during free exploration of natural environments. Journal of Vision, 2008, 8, 12-12.	0.1	53
75	Objects predict fixations better than early saliency. Journal of Vision, 2008, 8, 18-18.	0.1	363
76	Color aids late but not early stages of rapid natural scene recognition. Journal of Vision, 2008, 8, 12-12.	0.1	14
77	Automatic Detection of Learnability under Unreliable and Sparse User Feedback. Lecture Notes in Computer Science, 2008, , 224-233.	1.0	1
78	A bottom-up model of spatial attention predicts human error patterns in rapid scene recognition. Journal of Vision, 2007, 7, 6.	0.1	26
79	Human eye-head co-ordination in natural exploration. Network: Computation in Neural Systems, 2007, 18, 267-297.	2.2	83
80	The duration of the attentional blink in natural scenes depends on stimulus category. Vision Research, 2007, 47, 597-607.	0.7	47
81	Observers are consistent when rating image conspicuity. Vision Research, 2007, 47, 3052-3060.	0.7	14
82	The role of first- and second-order stimulus features for human overt attention. Perception & Psychophysics, 2007, 69, 153-161.	2.3	29
83	The relation of phase noise and luminance contrast to overt attention in complex visual stimuli. Journal of Vision, 2006, 6, 1-1.	0.1	35
84	Differences of monkey and human overt attention under natural conditions. Vision Research, 2006, 46, 1194-1209.	0.7	68
85	Learning viewpoint invariant object representations using a temporal coherence principle. Biological Cybernetics, 2005, 93, 79-90.	0.6	44
86	Learning of somatosensory representations for texture discrimination using a temporal coherence principle. Network: Computation in Neural Systems, 2005, 16, 223-238.	2.2	7
87	Are switches in perception of the Necker cube related to eye position?. European Journal of Neuroscience, 2004, 20, 2811-2818.	1.2	61
88	The world from a cat's perspective ? statistics of natural videos. Biological Cybernetics, 2004, 90, 41-50.	0.6	138
89	How Are Complex Cell Properties Adapted to the Statistics of Natural Stimuli?. Journal of Neurophysiology, 2004, 91, 206-212.	0.9	120
90	Temporal correlations of orientations in natural scenes. Neurocomputing, 2003, 52-54, 117-123.	3.5	33

#	ARTICLE	IF	CITATIONS
91	Does luminance-contrast contribute to a saliency map for overt visual attention?. European Journal of Neuroscience, 2003, 17, 1089-1097.	1.2	185
92	Learning Distinct and Complementary Feature Selectivities from Natural Colour Videos. Reviews in the Neurosciences, 2003, 14, 43-52.	1.4	4
93	Learning the invariance properties of complex cells from their responses to natural stimuli. European Journal of Neuroscience, 2002, 15, 475-486.	1.2	72
94	Learning Multiple Feature Representations from Natural Image Sequences. Lecture Notes in Computer Science, 2002, , 21-26.	1.0	3
95	Extracting Slow Subspaces from Natural Videos Leads to Complex Cells. Lecture Notes in Computer Science, 2001, , 1075-1080.	1.0	33