

Barry Giesbrecht

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,586
citations

22
h-index

38
g-index

107
ext. papers

1,938
ext. citations

2.2
avg, IF

4.78
L-index

#	Paper	IF	Citations
75	Effects of changes in end-tidal PO and PCO on neural responses during rest and sustained attention. <i>Physiological Reports</i> , 2021 , 9, e15106	2.6	0
74	Tracking the Contents of Spatial Working Memory during an Acute Bout of Aerobic Exercise. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 1271-1286	3.1	2
73	The transverse occipital sulcus and intraparietal sulcus show neural selectivity to object-scene size relationships. <i>Communications Biology</i> , 2021 , 4, 768	6.7	2
72	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. <i>Nature Methods</i> , 2021 , 18, 775-778	21.6	26
71	EEG signatures of contextual influences on visual search with real scenes. <i>Experimental Brain Research</i> , 2021 , 239, 797-809	2.3	1
70	StressNet: Detecting Stress in Thermal Videos 2021 ,		3
69	Crystallinity characterization of white matter in the human brain. <i>New Journal of Physics</i> , 2021 , 23, 073047	4.7	3
68	Tracking spatial and non-spatial working memory representations coded in human oscillatory brain activity. <i>Journal of Vision</i> , 2020 , 20, 1724	0.4	
67	Social information rapidly prioritizes overt but not covert attention in a joint spatial cueing task. <i>Acta Psychologica</i> , 2020 , 211, 103188	1.7	5
66	Cognitive Effects of Repeated Acute Exposure to Very High Altitude Among Altitude-Experienced Workers at 5050 m. <i>High Altitude Medicine and Biology</i> , 2019 , 20, 361-374	1.9	7
65	Multimodal Classification of EEG During Physical Activity 2019 ,		1
64	Frequency of exposure and target salience affect the extinction of value-driven attention capture. <i>Journal of Vision</i> , 2019 , 19, 141b	0.4	
63	Physical, mental and social stress selectively modulate inhibitory control during search of natural scenes. <i>Journal of Vision</i> , 2019 , 19, 283	0.4	
62	Applying linear additive models to isolate component processes in task-evoked pupil responses. <i>Journal of Vision</i> , 2019 , 19, 305c	0.4	
61	Acute stress, either social or physical, alters the priority of salient feared distracters but not neutral salient distracters. <i>Journal of Vision</i> , 2019 , 19, 141	0.4	
60	Dual Process Coding of Recalled Locations in Human Oscillatory Brain Activity. <i>Journal of Neuroscience</i> , 2019 , 39, 6737-6750	6.6	0
59	Effects on Cognitive Functioning of Acute, Subacute and Repeated Exposures to High Altitude. <i>Frontiers in Physiology</i> , 2018 , 9, 1131	4.6	20

58	Individual differences in compliance and agreement for sleep logs and wrist actigraphy: A longitudinal study of naturalistic sleep in healthy adults. <i>PLoS ONE</i> , 2018 , 13, e0191883	3.7	19
57	Neural representation of object-scene scale consistency. <i>Journal of Vision</i> , 2018 , 18, 1243	0.4	
56	Longitudinal study of relationships between psychomotor vigilance, tonic and phasic pupil responses, and natural sleep history across 16 weeks. <i>Journal of Vision</i> , 2018 , 18, 873	0.4	
55	0191 Individual Differences In Sleep Log Compliance And Agreement With Wrist Actigraphy: A Longitudinal Study Of Naturalistic Sleep In Healthy Adults. <i>Sleep</i> , 2018 , 41, A75-A75	1.1	
54	Acute Exercise Modulates Feature-selective Responses in Human Cortex. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 605-618	3.1	25
53	Modulation of working memory filtering efficiency during acute bouts of exercise.. <i>Journal of Vision</i> , 2017 , 17, 343	0.4	
52	Power Modulation in Spatially-Selective Alpha-band Responses during the Attentional Blink. <i>Journal of Vision</i> , 2017 , 17, 1198	0.4	
51	Can value-driven attentional capture be extinguished?. <i>Journal of Vision</i> , 2017 , 17, 1294	0.4	
50	Irrelevant social status cues drive visual attention. <i>Journal of Vision</i> , 2017 , 17, 1291	0.4	
49	Modulation of inhibition as a function of distractor cue validity. <i>Journal of Vision</i> , 2017 , 17, 667	0.4	
48	Consciousness isn't all-or-none: Evidence for partial awareness during the attentional blink. <i>Consciousness and Cognition</i> , 2016 , 40, 79-85	2.6	12
47	Irrelevant learned reward associations disrupt voluntary spatial attention. <i>Attention, Perception, and Psychophysics</i> , 2016 , 78, 2241-52	2	17
46	Neural evidence reveals the rapid effects of reward history on selective attention. <i>Brain Research</i> , 2015 , 1606, 86-94	3.7	55
45	Spatio-Temporal Detection of Divided Attention in Reading Applications Using EEG and Eye Tracking 2015 ,		10
44	Irrelevant reward and selection histories have different influences on task-relevant attentional selection. <i>Attention, Perception, and Psychophysics</i> , 2015 , 77, 1515-28	2	16
43	Multiple stages of information processing are modulated during acute bouts of exercise. <i>Neuroscience</i> , 2015 , 307, 138-50	3.9	30
42	Multimodal neuroimaging evidence linking memory and attention systems during visual search cued by context. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1339, 176-89	6.5	15
41	Distractor suppression when attention fails: behavioral evidence for a flexible selective attention mechanism. <i>PLoS ONE</i> , 2015 , 10, e0126203	3.7	6

40	A new perspective on the perceptual selectivity of attention under load. <i>Annals of the New York Academy of Sciences</i> , 2014 , 1316, 71-86	6.5	23
39	Single-trial classification of event-related potentials in rapid serial visual presentation tasks using supervised spatial filtering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 2030-42	10.3	73
38	Acute exercise and aerobic fitness influence selective attention during visual search. <i>Frontiers in Psychology</i> , 2014 , 5, 1290	3.4	22
37	A week-long meditation retreat decouples behavioral measures of the alerting and executive attention networks. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 69	3.3	30
36	Accurate expectancies diminish perceptual distraction during visual search. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 334	3.3	4
35	Isolating the neural mechanisms of interference during continuous multisensory dual-task performance. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 476-89	3.1	14
34	Both memory and attention systems contribute to visual search for targets cued by implicitly learned context. <i>Vision Research</i> , 2013 , 85, 80-9	2.1	39
33	Reproducible paired sources from concurrent EEG-fMRI data using BICAR. <i>Journal of Neuroscience Methods</i> , 2013 , 219, 205-19	3	3
32	Neural representations of contextual guidance in visual search of real-world scenes. <i>Journal of Neuroscience</i> , 2013 , 33, 7846-55	6.6	55
31	Post-perceptual processing during the attentional blink is modulated by inter-trial task expectancies. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 627	3.3	6
30	Multiple measures of visual attention predict novice motor skill performance when attention is focused externally. <i>Human Movement Science</i> , 2012 , 31, 1161-74	2.4	14
29	Neural decoding of collective wisdom with multi-brain computing. <i>NeuroImage</i> , 2012 , 59, 94-108	7.9	48
28	Multiclass classification of single-trial evoked EEG responses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 1719-22	0.9	4
27	Effects of performing two visual tasks on single-trial detection of event-related potentials. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 1723-6	0.9	5
26	Feature-independent neural coding of target detection during search of natural scenes. <i>Journal of Neuroscience</i> , 2012 , 32, 9499-510	6.6	11
25	Adaptive Integration and Optimization of Automated and Neural Processing Systems - Establishing Neural and Behavioral Benchmarks of Optimized Performance 2012 ,		3
24	Impact of target probability on single-trial EEG target detection in a difficult rapid serial visual presentation task. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6381-4	0.9	9
23	Pupillometric evidence for the decoupling of attention from perceptual input during offline thought. <i>PLoS ONE</i> , 2011 , 6, e18298	3.7	158

22	Understanding the allocation of attention when faced with varying perceptual load in partial report: a computational approach. <i>Neuropsychologia</i> , 2011 , 49, 1487-97	3.2	25
21	Multimodal target detection using single trial evoked EEG responses in single and dual-tasks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6311-4	0.9	9
20	Electrophysiological evidence for spatiotemporal flexibility in the ventrolateral attention network. <i>PLoS ONE</i> , 2011 , 6, e24436	3.7	13
19	Predicting variations of perceptual performance across individuals from neural activity using pattern classifiers. <i>NeuroImage</i> , 2010 , 51, 1425-37	7.9	52
18	Ideal observer analysis for task normalization of pattern classifier performance applied to EEG and fMRI data. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010 , 27, 2670-83	1.8	1
17	Perceptual load modulates the processing of distractors presented at task-irrelevant locations during the attentional blink. <i>Attention, Perception, and Psychophysics</i> , 2010 , 72, 2106-14	2	9
16	fMRI evidence for top-down influences on perceptual distraction. <i>Journal of Vision</i> , 2010 , 10, 212-212	0.4	2
15	How Does Text Affect the Processing of Diagrams in Multimedia Learning?. <i>Lecture Notes in Computer Science</i> , 2010 , 304-306	0.9	1
14	Target-target similarity on the attentional blink: Task-relevance matters!. <i>Visual Cognition</i> , 2009 , 17, 307-317	3.1	5
13	Personal names do not always survive the attentional blink: Behavioral evidence for a flexible locus of selection. <i>Vision Research</i> , 2009 , 49, 1378-88	2.1	28
12	Attachment, attention, and cognitive control: Attachment style and performance on general attention tasks. <i>Journal of Experimental Social Psychology</i> , 2009 , 45, 647-654	2.6	52
11	Cortical mechanisms for shifting and holding visuospatial attention. <i>Cerebral Cortex</i> , 2008 , 18, 114-25	5.1	159
10	Brain responses to biological relevance. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 879-91	3.1	72
9	Electrophysiological evidence for both perceptual and postperceptual selection during the attentional blink. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 2005-18	3.1	39
8	Pre-target activity in visual cortex predicts behavioral performance on spatial and feature attention tasks. <i>Brain Research</i> , 2006 , 1080, 63-72	3.7	79
7	Neural correlates of detecting pretense: automatic engagement of the intentional stance under covert conditions. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 1805-17	3.1	93
6	Separable effects of semantic priming and imageability on word processing in human cortex. <i>Cerebral Cortex</i> , 2004 , 14, 521-9	5.1	79
5	Right hemisphere involvement in the attentional blink: evidence from a split-brain patient. <i>Brain and Cognition</i> , 2004 , 55, 303-6	2.7	23

4	Seeing the light: Adapting luminance reveals low-level visual processes in the attentional blink. <i>Brain and Cognition</i> , 2004 , 55, 307-9	2.7	13
3	Visual masking during the attentional blink: tests of the object substitution hypothesis. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2003 , 29, 238-58	2.6	15
2	Isolating the interference caused by cue duration in partial report: a quantitative approach. <i>Memory and Cognition</i> , 1999 , 27, 220-33	2.2	7
1	QSIPrep: An integrative platform for preprocessing and reconstructing diffusion MRI		10