

George R Mangun

List of Publications by Citations

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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.

69

papers

6,596

citations

38

h-index

73

g-index

73

ext. papers

7,465

ext. citations

6.1

avg, IF

5.8

L-index

#	Paper	IF	Citations
69	Canonical microcircuits for predictive coding. <i>Neuron</i> , 2012 , 76, 695-711	13.9	1321
68	Neural mechanisms of visual selective attention. <i>Psychophysiology</i> , 1995 , 32, 4-18	4.1	685
67	Modulations of sensory-evoked brain potentials indicate changes in perceptual processing during visual-spatial priming.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1991 , 17, 1057-1074	2.6	575
66	Intensive meditation training improves perceptual discrimination and sustained attention. <i>Psychological Science</i> , 2010 , 21, 829-39	7.9	362
65	Neural sources of focused attention in visual search. <i>Cerebral Cortex</i> , 2000 , 10, 1233-41	5.1	299
64	REFLEXIVE ATTENTION MODULATES PROCESSING OF VISUAL STIMULI IN HUMAN EXTRASTRIATE CORTEX. <i>Psychological Science</i> , 1998 , 9, 441-447	7.9	192
63	ERP and fMRI measures of visual spatial selective attention. <i>Human Brain Mapping</i> , 1998 , 6, 383-9	5.9	176
62	Independent hemispheric attentional systems mediate visual search in split-brain patients. <i>Nature</i> , 1989 , 342, 543-5	50.4	171
61	Covariations in ERP and PET measures of spatial selective attention in human extrastriate visual cortex. <i>Human Brain Mapping</i> , 1997 , 5, 273-9	5.9	144
60	Attention and spatial selection: electrophysiological evidence for modulation by perceptual load. <i>Perception & Psychophysics</i> , 2000 , 62, 175-86		144
59	Evaluation of PCA and ICA of simulated ERPs: Promax vs. Infomax rotations. <i>Human Brain Mapping</i> , 2007 , 28, 742-63	5.9	141
58	Enhanced response inhibition during intensive meditation training predicts improvements in self-reported adaptive socioemotional functioning. <i>Emotion</i> , 2011 , 11, 299-312	4.1	134
57	Tonotopy in human auditory cortex examined with functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 1997 , 5, 18-25	5.9	133
56	Attention enhances synaptic efficacy and the signal-to-noise ratio in neural circuits. <i>Nature</i> , 2013 , 499, 476-80	50.4	123
55	Dissociating top-down attentional control from selective perception and action. <i>Neuropsychologia</i> , 2001 , 39, 1277-91	3.2	121
54	Functional disconnection of frontal cortex and visual cortex in attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , 2010 , 67, 617-23	7.9	120
53	Perceptual load and visuocortical processing: event-related potentials reveal sensory-level selection. <i>Psychological Science</i> , 2001 , 12, 213-8	7.9	118

52	Promoting Novelty in Vision: Inhibition of Return Modulates Perceptual-Level Processing. <i>Psychological Science</i> , 1999 , 10, 157-161	7.9	105
51	Attention to adjacent and separate positions in space: an electrophysiological analysis. <i>Perception & Psychophysics</i> , 1994 , 56, 42-52		99
50	Top-down Modulation of Neural Activity in Anticipatory Visual Attention: Control Mechanisms Revealed by Simultaneous EEG-fMRI. <i>Cerebral Cortex</i> , 2016 , 26, 517-29	5.1	89
49	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
48	Developmental dyslexia: passive visual stimulation provides no evidence for a magnocellular processing defect. <i>Neuropsychologia</i> , 1996 , 34, 1123-7	3.2	78
47	Sustained visual-spatial attention produces costs and benefits in response time and evoked neural activity. <i>Neuropsychologia</i> , 1998 , 36, 189-200	3.2	73
46	Tracking the influence of reflexive attention on sensory and cognitive processing. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2001 , 1, 56-65	3.5	71
45	Spatial distribution of visual attention: perceptual sensitivity and response latency. <i>Perception & Psychophysics</i> , 1996 , 58, 613-27		71
44	The neural basis of visual selective attention: a commentary on Harter and Aine. <i>Biological Psychology</i> , 1986 , 23, 265-79	3.2	71
43	Simultaneous recordings from the primary visual cortex and lateral geniculate nucleus reveal rhythmic interactions and a cortical source for Eband oscillations. <i>Journal of Neuroscience</i> , 2014 , 34, 7639-44	6.6	67
42	Right temporoparietal junction activation by a salient contextual cue facilitates target discrimination. <i>NeuroImage</i> , 2011 , 54, 594-601	7.9	67
41	Anterior intraparietal sulcus is sensitive to bottom-up attention driven by stimulus salience. <i>Journal of Cognitive Neuroscience</i> , 2009 , 21, 1584-601	3.1	63
40	Differential oscillatory electroencephalogram between attention-deficit/hyperactivity disorder subtypes and typically developing adolescents. <i>Biological Psychiatry</i> , 2014 , 76, 422-9	7.9	59
39	Intensive training induces longitudinal changes in meditation state-related EEG oscillatory activity. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 256	3.3	59
38	Independent attentional scanning in the separated hemispheres of split-brain patients. <i>Journal of Cognitive Neuroscience</i> , 1994 , 6, 84-91	3.1	54
37	The neural markers of an imminent failure of response inhibition. <i>NeuroImage</i> , 2012 , 59, 1534-9	7.9	52
36	Normal aging selectively diminishes alpha lateralization in visual spatial attention. <i>NeuroImage</i> , 2015 , 106, 353-63	7.9	51
35	Selective attention to spatial frequency: an ERP and source localization analysis. <i>Clinical Neurophysiology</i> , 2002 , 113, 1840-54	4.3	47

34	Control networks and hemispheric asymmetries in parietal cortex during attentional orienting in different spatial reference frames. <i>NeuroImage</i> , 2005 , 25, 668-83	7.9	45
33	Integrating conflict detection and attentional control mechanisms. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2211-21	3.1	44
32	Combined expectancies: Event-related potentials reveal the early benefits of spatial attention that are obscured by reaction time measures.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001 , 27, 303-317	2.6	40
31	Spontaneous neural fluctuations predict decisions to attend. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 2578-84	3.1	29
30	Sensitivity to Referential Ambiguity in Discourse: The Role of Attention, Working Memory, and Verbal Ability. <i>Journal of Cognitive Neuroscience</i> , 2015 , 27, 2309-23	3.1	26
29	Guided Visual Search Is a Left-Hemisphere Process in Split-Brain Patients. <i>Psychological Science</i> , 1995 , 6, 118-121	7.9	24
28	Brain potentials in developmental dyslexia: differential effects of word frequency in human subjects. <i>Neuroscience Letters</i> , 1995 , 195, 183-6	3.3	22
27	Theta Oscillations Index Frontal Decision-Making and Mediate Reciprocal Frontal-Parietal Interactions in Willed Attention. <i>Cerebral Cortex</i> , 2019 , 29, 2832-2843	5.1	21
26	Electrophysiological Evidence for Impaired Control of Motor Output in Schizophrenia. <i>Cerebral Cortex</i> , 2016 , 26, 1891-9	5.1	18
25	The neural correlates of volitional attention: A combined fMRI and ERP study. <i>Human Brain Mapping</i> , 2015 , 36, 2443-54	5.9	16
24	Electrophysiological and behavioral "costs" and "benefits" during sustained visual-spatial attention. <i>International Journal of Neuroscience</i> , 1994 , 79, 221-33	2	15
23	Individual working memory capacity is uniquely correlated with feature-based attention when combined with spatial attention. <i>Attention, Perception, and Psychophysics</i> , 2011 , 73, 86-102	2	14
22	Spared and impaired spoken discourse processing in schizophrenia: effects of local and global language context. <i>Journal of Neuroscience</i> , 2013 , 33, 15578-87	6.6	13
21	Electrophysiological Studies of Reflexive Attention. <i>Advances in Psychology</i> , 2001 , 133, 3-26		11
20	Baseline shifts do not predict attentional modulation of target processing during feature-based visual attention. <i>Frontiers in Human Neuroscience</i> , 2007 , 1, 7	3.3	10
19	Language context processing deficits in schizophrenia: The role of attentional engagement. <i>Neuropsychologia</i> , 2017 , 96, 262-273	3.2	6
18	Deciding where to attend: Large-scale network mechanisms underlying attention and intention revealed by graph-theoretic analysis. <i>NeuroImage</i> , 2017 , 157, 45-60	7.9	6
17	Neural Mechanisms of Attentional Control for Objects: Decoding EEG Alpha When Anticipating Faces, Scenes, and Tools. <i>Journal of Neuroscience</i> , 2020 , 40, 4913-4924	6.6	6

16	Networks for Attentional Control and Selection in Spatial Vision 2007 , 411-432		3
15	A decomposition of electrocortical activity as a function of spatial frequency: a weighted multidimensional scaling analysis. <i>Brain Research</i> , 2008 , 1214, 116-26	3.7	2
14	Identifying the Neural Systems of Top-Down Attentional Control: A Meta-analytic Approach 2005 , 63-68		2
13	The Microstructure of Attentional Control in the Dorsal Attention Network. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 965-983	3.1	2
12	Role of Inferior Frontal Junction (IFJ) in the Control of Feature versus Spatial Attention. <i>Journal of Neuroscience</i> , 2021 , 41, 8065-8074	6.6	2
11	Gating by inhibition during top-down control of willed attention. <i>Cognitive Neuroscience</i> , 2020 , 11, 60-70	1.7	1
10	Spatial attention and feature-based attention are differentially sensitive to individual working memory capacity and perceptual load. <i>Visual Cognition</i> , 2018 , 26, 545-551	1.8	1
9	Covariations in ERP and PET measures of spatial selective attention in human extrastriate visual cortex 1997 , 5, 273		1
8	ERP and fMRI measures of visual spatial selective attention 1998 , 6, 383		1
7	Recent evidence that attention is necessary, but not sufficient, for conscious perception. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1464, 52-63	6.5	0
6	Effects of Preparatory Attention to Nonspatial Features in the Visual Cortex 2014 , 136-151		
5	Looking inward: the mind's eye focuses on mental representations. <i>Frontiers in Neuroscience</i> , 2008 , 2, 133-4	5.1	
4	The neural basis of attention 105-116		
3	Neural Mechanisms of Attention 2003 , 247-IV		
2	Imaging Brain Attention Systems: Control and Selection in Vision. <i>NeuroMethods</i> , 2009 , 353-377	0.4	
1	Neuroimaging Approaches to the Study of Visual Attention. <i>NeuroMethods</i> , 2016 , 387-417	0.4	