Marty G Woldorff

List of Publications by Year
in descending order

132	11,414	36303 51	30922 102
papers	citations	h-index	g-index

134	134	134	8818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The multifaceted interplay between attention and multisensory integration. Trends in Cognitive Sciences, 2010, 14, 400-410.	7.8	633
2	An ERP study of the temporal course of the Stroop color-word interference effect. Neuropsychologia, 2000, 38, 701-711.	1.6	541
3	Randomized event-related experimental designs allow for extremely rapid presentation rates using functional MRI. NeuroReport, 1998, 9, 3735-3739.	1.2	479
4	Effects of spatial cuing on luminance detectability: Psychophysical and electrophysiological evidence for early selection.. Journal of Experimental Psychology: Human Perception and Performance, 1994, 20, 887-904.	0.9	454
5	Selective Attention and Multisensory Integration: Multiple Phases of Effects on the Evoked Brain Activity. Journal of Cognitive Neuroscience, 2005, 17, 1098-1114.	2.3	426
6	Inhibitory control in children with attention-deficit/hyperactivity disorder: event-related potentials identify the processing component and timing of an impaired right-frontal response-inhibition mechanism. Biological Psychiatry, 2000, 48, 238-246.	1.3	367
7	Selective Attention and Audiovisual Integration: Is Attending to Both Modalities a Prerequisite for Early Integration?. Cerebral Cortex, 2006, 17, 679-690.	2.9	367
8	Modulation of early auditory processing during selective listening to rapidly presented tones. Electroencephalography and Clinical Neurophysiology, 1991, 79, 170-191.	0.3	337
9	Distortion of ERP averages due to overlap from temporally adjacent ERPs: Analysis and correction. Psychophysiology, 1993, 30, 98-119.	2.4	336
10	The Effects of Channel-Selective Attention on the Mismatch Negativity Wave Elicited by Deviant Tones. Psychophysiology, 1991, 28, 30-42.	2.4	322
11	Delayed Striate Cortical Activation during Spatial Attention. Neuron, 2002, 35, 575-587.	8.1	247
12	Abnormal Brain Activity Related to Performance Monitoring and Error Detection in Children with ADHD. Cortex, 2005, 41, 377-388.	2.4	242
13	The influence of reward associations on conflict processing in the Stroop task. Cognition, 2010, 117, 341-347.	2.2	241
14	Electrophysiological evidence for notation independence in numerical processing. Behavioral and Brain Functions, 2007, 3, 1.	3.3	237
15	The spread of attention across modalities and space in a multisensory object. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18751-18756.	7.1	233
16	Electrophysiological activity underlying inhibitory control processes in normal adults. Neuropsychologia, 2006, 44, 384-395.	1.6	218
17	Functional Parcellation of Attentional Control Regions of the Brain. Journal of Cognitive Neuroscience, 2004, 16, 149-165.	2.3	178
18	Good times for multisensory integration: Effects of the precision of temporal synchrony as revealed by gamma-band oscillations. Neuropsychologia, 2007, 45, 561-571.	1.6	172

#	Article	IF	Citations
19	The Involvement of the Dopaminergic Midbrain and Cortico-Striatal-Thalamic Circuits in the Integration of Reward Prospect and Attentional Task Demands. Cerebral Cortex, 2012, 22, 607-615.	2.9	172
20	Cross-Modal Selective Attention Effects on Retinal, Myogenic, Brainstem, and Cerebral Evoked Potentials. Psychophysiology, 1990, 27, 195-208.	2.4	166
21	Video game players show more precise multisensory temporal processing abilities. Attention, Perception, and Psychophysics, 2010, 72, 1120-1129.	1.3	166
22	Lateralized auditory spatial perception and the contralaterality of cortical processing as studied with functional magnetic resonance imaging and magnetoencephalography. Human Brain Mapping, 1999, 7, 49-66.	3.6	163
23	Magnetoencephalographic recordings demonstrate attentional modulation of mismatch-related neural activity in human auditory cortex. Psychophysiology, 1998, 35, 283-292.	2.4	156
24	Auditory attention in the congenitally blind. NeuroReport, 1998, 9, 1007-1012.	1.2	150
25	Combined Use of Microreflexes and Event-Related Brain Potentials as Measures of Auditory Selective Attention. Psychophysiology, 1987, 24, 632-647.	2.4	148
26	Dissociating top-down attentional control from selective perception and action. Neuropsychologia, 2001, 39, 1277-1291.	1.6	138
27	Timing and Sequence of Brain Activity in Top-Down Control of Visual-Spatial Attention. PLoS Biology, 2007, 5, e12.	5.6	129
28	Intersubject variability of functional areas in the human visual cortex. , 1998, 6, 301-315.		126
29	Rapid Electrophysiological Brain Responses are Influenced by Both Valence and Magnitude of Monetary Rewards. Journal of Cognitive Neuroscience, 2008, 20, 2058-2069.	2.3	126
30	The Neural Underpinnings of How Reward Associations Can Both Guide and Misguide Attention. Journal of Neuroscience, 2011, 31, 9752-9759.	3.6	124
31	Overlapping Parietal Activity in Memory and Perception: Evidence for the Attention to Memory Model. Journal of Cognitive Neuroscience, 2011, 23, 3209-3217.	2.3	117
32	Multisensory processing and oscillatory gamma responses: effects of spatial selective attention. Experimental Brain Research, 2005, 166, 411-426.	1.5	115
33	Rapid and Direct Encoding of Numerosity in the Visual Stream. Cerebral Cortex, 2016, 26, bhv017.	2.9	111
34	Effects of attention on the neural processing of harmonic syntax in Western music. Cognitive Brain Research, 2005, 25, 678-687.	3.0	105
35	Intraoperative Frontal Alpha-Band Power Correlates with Preoperative Neurocognitive Function in Older Adults. Frontiers in Systems Neuroscience, 2017, 11, 24.	2.5	97
36	Pre-target activity in visual cortex predicts behavioral performance on spatial and feature attention tasks. Brain Research, 2006, 1080, 63-72.	2.2	95

#	Article	IF	Citations
37	Task preparation processes related to reward prediction precede those related to task-difficulty expectation. NeuroImage, 2014, 84, 639-647.	4.2	95
38	Dissociation of event-related potentials indexing arousal and semantic cohesion during emotional word encoding. Brain and Cognition, 2006, 62, 43-57.	1.8	91
39	Utilization of reward-prospect enhances preparatory attention and reduces stimulus conflict. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 561-577.	2.0	90
40	Intersubject Variability in Cortical Activations during a Complex Language Task. NeuroImage, 2000, 12, 326-339.	4.2	89
41	Electrophysiological Measures of Time Processing in Infant and Adult Brains: Weber's Law Holds. Journal of Cognitive Neuroscience, 2008, 20, 193-203.	2.3	85
42	Timing in the baby brain. Cognitive Brain Research, 2004, 21, 227-233.	3.0	83
43	Numerosity processing in early visual cortex. NeuroImage, 2017, 157, 429-438.	4.2	78
44	Attentional capacity for processing concurrent stimuli is larger across sensory modalities than within a modality. Psychophysiology, 2006, 43, 541-549.	2.4	69
45	Evaluation of hemispheric dominance for language using functional MRI: A comparison with positron emission tomography. Human Brain Mapping, 1998, 6, 42-58.	3.6	67
46	Rapid Brain Responses Independently Predict Gain Maximization and Loss Minimization during Economic Decision Making. Journal of Neuroscience, 2013, 33, 7011-7019.	3.6	67
47	Reward Associations Reduce Behavioral Interference by Changing the Temporal Dynamics of Conflict Processing. PLoS ONE, 2013, 8, e53894.	2.5	65
48	Is conflict monitoring supramodal? Spatiotemporal dynamics of cognitive control processes in an auditory Stroop task. Cognitive, Affective and Behavioral Neuroscience, 2012, 12, 1-15.	2.0	64
49	From hippocampus to wholeâ€brain: The role of integrative processing in episodic memory retrieval. Human Brain Mapping, 2017, 38, 2242-2259.	3.6	63
50	Orchestrating Proactive and Reactive Mechanisms for Filtering Distracting Information: Brain-Behavior Relationships Revealed by a Mixed-Design fMRI Study. Journal of Neuroscience, 2016, 36, 988-1000.	3.6	60
51	Numerical encoding in early visual cortex. Cortex, 2019, 114, 76-89.	2.4	58
52	The ERP omitted stimulus response to â€œno-stimâ€•events and its implications for fast-rate event-related fMRI designs. NeuroImage, 2003, 18, 856-864.	4.2	55
53	Intermodal attention affects the processing of the temporal alignment of audiovisual stimuli. Experimental Brain Research, 2009, 198, 313-328.	1.5	55
54	Enhanced Spatial Localization of Neuronal Activation Using Simultaneous Apparent-Diffusion-Coefficient and Blood-Oxygenation Functional Magnetic Resonance Imaging. NeuroImage, 2002, 17, 742-750.	4.2	51

#	Article	IF	Citations
55	Control networks and hemispheric asymmetries in parietal cortex during attentional orienting in different spatial reference frames. NeuroImage, 2005, 25, 668-683.	4.2	51
56	Children's Brain Activations While Viewing Televised Violence Revealed by fMRI. Media Psychology, 2006, 8, 25-37.	3.6	48
57	The Rapid Capture of Attention by Rewarded Objects. Journal of Cognitive Neuroscience, 2016, 28, 529-541.	2.3	48
58	Improving the temporal resolution of functional MR imaging using keyhole techniques. Magnetic Resonance in Medicine, 1996, 35, 854-860.	3.0	47
59	Induced Alpha-band Oscillations Reflect Ratio-dependent Number Discrimination in the Infant Brain. Journal of Cognitive Neuroscience, 2009, 21, 2398-2406.	2.3	45
60	Cortical Brain Activity Reflecting Attentional Biasing Toward Reward-Predicting Cues Covaries with Economic Decision-Making Performance. Cerebral Cortex, 2016, 26, 1-11.	2.9	45
61	The Cross-Modal Spread of Attention Reveals Differential Constraints for the Temporal and Spatial Linking of Visual and Auditory Stimulus Events. Journal of Neuroscience, 2011, 31, 7982-7990.	3.6	43
62	The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. Journal of the American Geriatrics Society, 2019, 67, 794-798.	2.6	43
63	Cochlear implants. Progress in Brain Research, 2011, 194, 117-129.	1.4	42
64	High-Field fMRI Reveals Brain Activation Patterns Underlying Saccade Execution in the Human Superior Colliculus. PLoS ONE, 2010, 5, e8691.	2.5	41
65	The effects of attention on the temporal integration of multisensory stimuli. Frontiers in Integrative Neuroscience, 2015, 9, 32.	2.1	40
66	Cortical and Subcortical Coordination of Visual Spatial Attention Revealed by Simultaneous EEGâ€“fMRI Recording. Journal of Neuroscience, 2017, 37, 7803-7810.	3.6	39
67	Multisensory conflict modulates the spread of visual attention across a multisensory object. NeuroImage, 2010, 52, 606-616.	4.2	38
68	Differential Functional Roles of Slow-Wave and Oscillatory-Alpha Activity in Visual Sensory Cortex during Anticipatory Visualâ€“Spatial Attention. Cerebral Cortex, 2011, 21, 2204-2216.	2.9	38
69	Experience-dependent Hemispheric Specialization of Letters and Numbers Is Revealed in Early Visual Processing. Journal of Cognitive Neuroscience, 2014, 26, 2239-2249.	2.3	37
70	The Role of Stimulus Salience and Attentional Capture Across the Neural Hierarchy in a Stop-Signal Task. PLoS ONE, 2011, 6, e26386.	2.5	37
71	The BOLD fMRI refractory effect is specific to stimulus attributes: evidence from a visual motion paradigm. NeuroImage, 2004, 23, 402-408.	4.2	36
72	The influence of different Stop-signal response time estimation procedures on behaviorâ€“behavior and brainâ€“behavior correlations. Behavioural Brain Research, 2012, 229, 123-130.	2.2	36

#	Article	IF	Citations
73	Improvement in Visual Search with Practice: Mapping Learning-Related Changes in Neurocognitive Stages of Processing. Journal of Neuroscience, 2015, 35, 5351-5359.	3.6	36
74	Rapid Modulation of Sensory Processing Induced by Stimulus Conflict. Journal of Cognitive Neuroscience, 2011, 23, 2620-2628.	2.3	34
75	The Rapid Distraction of Attentional Resources toward the Source of Incongruent Stimulus Input during Multisensory Conflict. Journal of Cognitive Neuroscience, 2013, 25, 623-635.	2.3	33
76	The Dynamics of Proactive and Reactive Cognitive Control Processes in the Human Brain. Journal of Cognitive Neuroscience, 2014, 26, 1021-1038.	2.3	33
77	The temporal dynamics of implicit processing of non-letter, letter, and word-forms in the human visual cortex. Frontiers in Human Neuroscience, 2009, 3, 56.	2.0	32
78	Sandwich masking eliminates both visual awareness of faces and face-specific brain activity through a feedforward mechanism. Journal of Vision, 2011, 11, 3-3.	0.3	32
79	Visual search performance is predicted by both prestimulus and poststimulus electrical brain activity. Scientific Reports, 2016, 6, 37718.	3.3	32
80	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. Journal of Cognitive Neuroscience, 2011, 23, 362-373.	2.3	31
81	Altruistic traits are predicted by neural responses to monetary outcomes for selfvscharity. Social Cognitive and Affective Neuroscience, 2016, 11, 863-876.	3.0	29
82	The neural dynamics of stimulus and response conflict processing as a function of response complexity and task demands. Neuropsychologia, 2016, 84, 14-28.	1.6	29
83	Cross-Modal Stimulus Conflict: The Behavioral Effects of Stimulus Input Timing in a Visual-Auditory Stroop Task. PLoS ONE, 2013, 8, e62802.	2.5	29
84	Individual differences in nonverbal number discrimination correlate with event-related potentials and measures of probabilistic reasoning. Neuropsychologia, 2010, 48, 3687-3695.	1.6	27
85	Strategic Allocation of Attention Reduces Temporally Predictable Stimulus Conflict. Journal of Cognitive Neuroscience, 2012, 24, 1834-1848.	2.3	26
86	The Temporal Cascade of Neural Processes Underlying Target Detection and Attentional Processing During Auditory Search. Cerebral Cortex, 2015, 25, 2456-2465.	2.9	26
87	Face processing is gated by visual spatial attention. Frontiers in Human Neuroscience, 2008, 1, 10.	2.0	25
88	Strategic downâ€regulation of attentional resources as a mechanism of proactive response inhibition. European Journal of Neuroscience, 2016, 44, 2095-2103.	2.6	23
89	Physical Salience and Value-Driven Salience Operate through Different Neural Mechanisms to Enhance Attentional Selection. Journal of Neuroscience, 2020, 40, 5455-5464.	3.6	23
90	Arrow-elicited cueing effects at short intervals: Rapid attentional orienting or cue-target stimulus conflict?. Cognition, 2012, 122, 96-101.	2.2	22

#	Article	IF	Citations
91	Resolving conflicting views: Gaze and arrow cues do not trigger rapid reflexive shifts of attention. Visual Cognition, 2013, 21, 61-71.	1.6	21
92	Neural processing stages during object-substitution masking and their relationship to perceptual awareness. Neuropsychologia, 2013, 51, 1907-1917.	1.6	18
93	Disruption of Visual Awareness during the Attentional Blink Is Reflected by Selective Disruption of Late-stage Neural Processing. Journal of Cognitive Neuroscience, 2013, 25, 1863-1874.	2.3	18
94	Neural cascade of conflict processing: Not just time-on-task. Neuropsychologia, 2017, 96, 184-191.	1.6	18
95	Electroencephalogram-Based Complexity Measures as Predictors of Post-operative Neurocognitive Dysfunction. Frontiers in Systems Neuroscience, 2021, 15, 718769.	2.5	18
96	The Saccadic Re-Centering Bias is Associated with Activity Changes in the Human Superior Colliculus. Frontiers in Human Neuroscience, 2010, 4, 193.	2.0	17
97	Hemispheric asymmetry of sulcus-function correspondence: Quantization and developmental implications. Human Brain Mapping, 2006, 27, 277-287.	3.6	16
98	Parallels in Stimulus-Driven Oscillatory Brain Responses to Numerosity Changes in Adults and Seven-Month-Old Infants. Developmental Neuropsychology, 2011, 36, 651-667.	1.4	16
99	BOLD signal compartmentalization based on the apparent diffusion coefficient. Magnetic Resonance Imaging, 2002, 20, 521-525.	1.8	15
100	Electrophysiological recordings in humans reveal reduced location-specific attentional-shift activity prior to recentering saccades. Journal of Neurophysiology, 2012, 107, 1393-1402.	1.8	15
101	Reward prospect interacts with trial-by-trial preparation for potential distraction. Visual Cognition, 2015, 23, 313-335.	1.6	15
102	Electrophysiological Evidence for the Involvement of the Approximate Number System in Preschoolers' Processing of Spoken Number Words. Journal of Cognitive Neuroscience, 2014, 26, 1891-1904.	2.3	14
103	An electrophysiological dissociation of craving and stimulus-dependent attentional capture in smokers. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 1114-1126.	2.0	14
104	Shared and distinct neural circuitry for nonsymbolic and symbolic doubleâ€digit addition. Human Brain Mapping, 2019, 40, 1328-1343.	3.6	14
105	Developmental trajectory of neural specialization for letter and number visual processing. Developmental Science, 2018, 21, e12578.	2.4	13
106	Toward direct MRI of neuroâ€electroâ€magnetic oscillations in the human brain. Magnetic Resonance in Medicine, 2019, 81, 3462-3475.	3.0	13
107	Neural processes underlying the orienting of attention without awareness. Cortex, 2018, 102, 14-25.	2.4	12
108	Mechanisms of Moving the Mind's Eye: Planning and Execution of Spatial Shifts of Attention. Journal of Cognitive Neuroscience, 2004, 16, 742-750.	2.3	11

#	Article	IF	Citations
109	Transient Distraction and Attentional Control during a Sustained Selective Attention Task. Journal of Cognitive Neuroscience, 2016, 28, 935-947.	2.3	11
110	The MARBLE Study Protocol: Modulating ApoE Signaling to Reduce Brain Inflammation, DeLirium, and PostopErative Cognitive Dysfunction. Journal of Alzheimer's Disease, 2020, 75, 1319-1328.	2.6	11
111	Reward-associated features capture attention in the absence of awareness: Evidence from object-substitution masking. NeuroImage, 2016, 137, 116-123.	4.2	10
112	Activation of Human Auditory Cortex in Retrieval Experiments: An fMRI Study. Neural Plasticity, 1998, 6, 69-75.	2.2	9
113	Component structure of event-related fMRI responses in the different neurovascular compartments. Magnetic Resonance Imaging, 2007, 25, 328-334.	1.8	8
114	The effects of ongoing distraction on the neural processes underlying signal detection. Neuropsychologia, 2016, 89, 335-343.	1.6	8
115	EEG measures of brain activity reveal that smoking-related images capture the attention of smokers outside of awareness. Neuropsychologia, 2018, 111, 324-333.	1.6	7
116	A key role for stimulus-specific updating of the sensory cortices in the learning of stimulusâ€“reward associations. Social Cognitive and Affective Neuroscience, 2019, 14, 173-187.	3.0	7
117	Caffeine Boosts Preparatory Attention for Reward-related Stimulus Information. Journal of Cognitive Neuroscience, 2021, 33, 104-118.	2.3	7
118	Rapid Context-based Identification of Target Sounds in an Auditory Scene. Journal of Cognitive Neuroscience, 2015, 27, 1675-1684.	2.3	6
119	The Temporal Dynamics of Object Processing in Visual Cortex during the Transition from Distributed to Focused Spatial Attention. Journal of Cognitive Neuroscience, 2011, 23, 4094-4105.	2.3	5
120	Electroencephalography reveals a selective disruption of cognitive control processes in craving cigarette smokers. European Journal of Neuroscience, 2020, 51, 1087-1105.	2.6	5
121	Reward magnitude enhances early attentional processing of auditory stimuli. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 268-280.	2.0	4
122	Neural Dynamics of Context-sensitive Adjustments in Cognitive Flexibility. Journal of Cognitive Neuroscience, 2022, 34, 480-494.	2.3	4
123	An electrophysiological marker of the desire to quit in smokers. European Journal of Neuroscience, 2016, 44, 2735-2741.	2.6	3
124	Context-Dependent Modulation of Early Visual Cortical Responses to Numerical and Nonnumerical Magnitudes. Journal of Cognitive Neuroscience, 2021, 33, 1-12.	2.3	3
125	Neural Dynamics of Conflict Control in Working Memory. Journal of Cognitive Neuroscience, 2021, 33, 2079-2092.	2.3	3
126	Dynamic MRI of Small Electrical Activity. Methods in Molecular Biology, 2008, 489, 297-315.	0.9	2

#	Article	IF	Citations
127	Diminished Feedback Evaluation and Knowledge Updating Underlying Age-Related Differences in Choice Behavior During Feedback Learning. Frontiers in Human Neuroscience, 2021, 15, 635996.	2.0	1
128	Is one enough? The case for non-additive influences of visual features on crossmodal Stroop interference. Frontiers in Psychology, 2013, 4, 799.	2.1	0
129	Object-Category Processing, Perceptual Awareness, and the Role of Attention during Motion-Induced Blindness. , 2014, , 97-106.		0
130	Disruptions of Sustained Spatial Attention Can Be Resistant to the Distractorâ€™s Prior Reward Associations. Frontiers in Human Neuroscience, 2021, 15, 666731.	2.0	0
131	The Impact of Error-Consequence Severity on Cue Processing in Importance-Biased Prospective Memory. Cerebral Cortex Communications, 2021, 2, tgab056.	1.6	0
132	Automatic Encoding of Visual Numerosity. Journal of Vision, 2018, 18, 316.	0.3	0