

Marty G Woldorff

List of Publications by Year in descending order

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Version: 2024-02-01

132
papers

11,414
citations

36303

51
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30922

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134
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134
times ranked

8818
citing authors

#	ARTICLE	IF	CITATIONS
1	Reward magnitude enhances early attentional processing of auditory stimuli. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 268-280.	2.0	4
2	Neural Dynamics of Context-sensitive Adjustments in Cognitive Flexibility. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 480-494.	2.3	4
3	Caffeine Boosts Preparatory Attention for Reward-related Stimulus Information. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 104-118.	2.3	7
4	Diminished Feedback Evaluation and Knowledge Updating Underlying Age-Related Differences in Choice Behavior During Feedback Learning. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 635996.	2.0	1
5	Disruptions of Sustained Spatial Attention Can Be Resistant to the Distractor's Prior Reward Associations. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 666731.	2.0	0
6	Context-Dependent Modulation of Early Visual Cortical Responses to Numerical and Nonnumerical Magnitudes. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1-12.	2.3	3
7	The Impact of Error-Consequence Severity on Cue Processing in Importance-Biased Prospective Memory. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab056.	1.6	0
8	Neural Dynamics of Conflict Control in Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2079-2092.	2.3	3
9	Electroencephalogram-Based Complexity Measures as Predictors of Post-operative Neurocognitive Dysfunction. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 718769.	2.5	18
10	Electroencephalography reveals a selective disruption of cognitive control processes in craving cigarette smokers. <i>European Journal of Neuroscience</i> , 2020, 51, 1087-1105.	2.6	5
11	The MARBLE Study Protocol: Modulating ApoE Signaling to Reduce Brain Inflammation, Delirium, and Postoperative Cognitive Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 1319-1328.	2.6	11
12	Physical Salience and Value-Driven Salience Operate through Different Neural Mechanisms to Enhance Attentional Selection. <i>Journal of Neuroscience</i> , 2020, 40, 5455-5464.	3.6	23
13	The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 794-798.	2.6	43
14	A key role for stimulus-specific updating of the sensory cortices in the learning of stimulus-reward associations. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 173-187.	3.0	7
15	Shared and distinct neural circuitry for nonsymbolic and symbolic double-digit addition. <i>Human Brain Mapping</i> , 2019, 40, 1328-1343.	3.6	14
16	Toward direct MRI of neuroelectromagnetic oscillations in the human brain. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3462-3475.	3.0	13
17	Numerical encoding in early visual cortex. <i>Cortex</i> , 2019, 114, 76-89.	2.4	58
18	EEG measures of brain activity reveal that smoking-related images capture the attention of smokers outside of awareness. <i>Neuropsychologia</i> , 2018, 111, 324-333.	1.6	7

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19	Neural processes underlying the orienting of attention without awareness. <i>Cortex</i> , 2018, 102, 14-25.	2.4	12
20	Developmental trajectory of neural specialization for letter and number visual processing. <i>Developmental Science</i> , 2018, 21, e12578.	2.4	13
21	Automatic Encoding of Visual Numerosity. <i>Journal of Vision</i> , 2018, 18, 316.	0.3	0
22	From hippocampus to whole-brain: The role of integrative processing in episodic memory retrieval. <i>Human Brain Mapping</i> , 2017, 38, 2242-2259.	3.6	63
23	Numerosity processing in early visual cortex. <i>NeuroImage</i> , 2017, 157, 429-438.	4.2	78
24	Neural cascade of conflict processing: Not just time-on-task. <i>Neuropsychologia</i> , 2017, 96, 184-191.	1.6	18
25	Cortical and Subcortical Coordination of Visual Spatial Attention Revealed by Simultaneous EEG-fMRI Recording. <i>Journal of Neuroscience</i> , 2017, 37, 7803-7810.	3.6	39
26	Intraoperative Frontal Alpha-Band Power Correlates with Preoperative Neurocognitive Function in Older Adults. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 24.	2.5	97
27	Rapid and Direct Encoding of Numerosity in the Visual Stream. <i>Cerebral Cortex</i> , 2016, 26, bhv017.	2.9	111
28	Cortical Brain Activity Reflecting Attentional Biasing Toward Reward-Predicting Cues Covaries with Economic Decision-Making Performance. <i>Cerebral Cortex</i> , 2016, 26, 1-11.	2.9	45
29	Strategic down-regulation of attentional resources as a mechanism of proactive response inhibition. <i>European Journal of Neuroscience</i> , 2016, 44, 2095-2103.	2.6	23
30	Visual search performance is predicted by both prestimulus and poststimulus electrical brain activity. <i>Scientific Reports</i> , 2016, 6, 37718.	3.3	32
31	Altruistic traits are predicted by neural responses to monetary outcomes for self vs charity. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 863-876.	3.0	29
32	An electrophysiological marker of the desire to quit in smokers. <i>European Journal of Neuroscience</i> , 2016, 44, 2735-2741.	2.6	3
33	The effects of ongoing distraction on the neural processes underlying signal detection. <i>Neuropsychologia</i> , 2016, 89, 335-343.	1.6	8
34	An electrophysiological dissociation of craving and stimulus-dependent attentional capture in smokers. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 1114-1126.	2.0	14
35	Reward-associated features capture attention in the absence of awareness: Evidence from object-substitution masking. <i>NeuroImage</i> , 2016, 137, 116-123.	4.2	10
36	Orchestrating Proactive and Reactive Mechanisms for Filtering Distracting Information: Brain-Behavior Relationships Revealed by a Mixed-Design fMRI Study. <i>Journal of Neuroscience</i> , 2016, 36, 988-1000.	3.6	60

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37	The Rapid Capture of Attention by Rewarded Objects. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 529-541.	2.3	48
38	The neural dynamics of stimulus and response conflict processing as a function of response complexity and task demands. <i>Neuropsychologia</i> , 2016, 84, 14-28.	1.6	29
39	Transient Distraction and Attentional Control during a Sustained Selective Attention Task. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 935-947.	2.3	11
40	The effects of attention on the temporal integration of multisensory stimuli. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 32.	2.1	40
41	The Temporal Cascade of Neural Processes Underlying Target Detection and Attentional Processing During Auditory Search. <i>Cerebral Cortex</i> , 2015, 25, 2456-2465.	2.9	26
42	Reward prospect interacts with trial-by-trial preparation for potential distraction. <i>Visual Cognition</i> , 2015, 23, 313-335.	1.6	15
43	Rapid Context-based Identification of Target Sounds in an Auditory Scene. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1675-1684.	2.3	6
44	Improvement in Visual Search with Practice: Mapping Learning-Related Changes in Neurocognitive Stages of Processing. <i>Journal of Neuroscience</i> , 2015, 35, 5351-5359.	3.6	36
45	Experience-dependent Hemispheric Specialization of Letters and Numbers Is Revealed in Early Visual Processing. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2239-2249.	2.3	37
46	Electrophysiological Evidence for the Involvement of the Approximate Number System in Preschoolers' Processing of Spoken Number Words. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1891-1904.	2.3	14
47	The Dynamics of Proactive and Reactive Cognitive Control Processes in the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1021-1038.	2.3	33
48	Object-Category Processing, Perceptual Awareness, and the Role of Attention during Motion-Induced Blindness. , 2014, , 97-106.		0
49	Task preparation processes related to reward prediction precede those related to task-difficulty expectation. <i>NeuroImage</i> , 2014, 84, 639-647.	4.2	95
50	Utilization of reward-prospect enhances preparatory attention and reduces stimulus conflict. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 561-577.	2.0	90
51	Neural processing stages during object-substitution masking and their relationship to perceptual awareness. <i>Neuropsychologia</i> , 2013, 51, 1907-1917.	1.6	18
52	Rapid Brain Responses Independently Predict Gain Maximization and Loss Minimization during Economic Decision Making. <i>Journal of Neuroscience</i> , 2013, 33, 7011-7019.	3.6	67
53	Disruption of Visual Awareness during the Attentional Blink Is Reflected by Selective Disruption of Late-stage Neural Processing. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1863-1874.	2.3	18
54	The Rapid Distraction of Attentional Resources toward the Source of Incongruent Stimulus Input during Multisensory Conflict. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 623-635.	2.3	33

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55	Resolving conflicting views: Gaze and arrow cues do not trigger rapid reflexive shifts of attention. <i>Visual Cognition</i> , 2013, 21, 61-71.	1.6	21
56	Reward Associations Reduce Behavioral Interference by Changing the Temporal Dynamics of Conflict Processing. <i>PLoS ONE</i> , 2013, 8, e53894.	2.5	65
57	Is one enough? The case for non-additive influences of visual features on crossmodal Stroop interference. <i>Frontiers in Psychology</i> , 2013, 4, 799.	2.1	0
58	Cross-Modal Stimulus Conflict: The Behavioral Effects of Stimulus Input Timing in a Visual-Auditory Stroop Task. <i>PLoS ONE</i> , 2013, 8, e62802.	2.5	29
59	Electrophysiological recordings in humans reveal reduced location-specific attentional-shift activity prior to recentering saccades. <i>Journal of Neurophysiology</i> , 2012, 107, 1393-1402.	1.8	15
60	The Involvement of the Dopaminergic Midbrain and Cortico-Striatal-Thalamic Circuits in the Integration of Reward Prospect and Attentional Task Demands. <i>Cerebral Cortex</i> , 2012, 22, 607-615.	2.9	172
61	Strategic Allocation of Attention Reduces Temporally Predictable Stimulus Conflict. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1834-1848.	2.3	26
62	The influence of different Stop-signal response time estimation procedures on behavior—behavior and brain—behavior correlations. <i>Behavioural Brain Research</i> , 2012, 229, 123-130.	2.2	36
63	Is conflict monitoring supramodal? Spatiotemporal dynamics of cognitive control processes in an auditory Stroop task. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2012, 12, 1-15.	2.0	64
64	Arrow-elicited cueing effects at short intervals: Rapid attentional orienting or cue-target stimulus conflict?. <i>Cognition</i> , 2012, 122, 96-101.	2.2	22
65	The Temporal Dynamics of Object Processing in Visual Cortex during the Transition from Distributed to Focused Spatial Attention. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 4094-4105.	2.3	5
66	Sandwich masking eliminates both visual awareness of faces and face-specific brain activity through a feedforward mechanism. <i>Journal of Vision</i> , 2011, 11, 3-3.	0.3	32
67	Cochlear implants. <i>Progress in Brain Research</i> , 2011, 194, 117-129.	1.4	42
68	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 362-373.	2.3	31
69	Rapid Modulation of Sensory Processing Induced by Stimulus Conflict. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2620-2628.	2.3	34
70	Overlapping Parietal Activity in Memory and Perception: Evidence for the Attention to Memory Model. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3209-3217.	2.3	117
71	Parallels in Stimulus-Driven Oscillatory Brain Responses to Numerosity Changes in Adults and Seven-Month-Old Infants. <i>Developmental Neuropsychology</i> , 2011, 36, 651-667.	1.4	16
72	Differential Functional Roles of Slow-Wave and Oscillatory-Alpha Activity in Visual Sensory Cortex during Anticipatory Visual—Spatial Attention. <i>Cerebral Cortex</i> , 2011, 21, 2204-2216.	2.9	38

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73	The Neural Underpinnings of How Reward Associations Can Both Guide and Misguide Attention. <i>Journal of Neuroscience</i> , 2011, 31, 9752-9759.	3.6	124
74	The Cross-Modal Spread of Attention Reveals Differential Constraints for the Temporal and Spatial Linking of Visual and Auditory Stimulus Events. <i>Journal of Neuroscience</i> , 2011, 31, 7982-7990.	3.6	43
75	The Role of Stimulus Salience and Attentional Capture Across the Neural Hierarchy in a Stop-Signal Task. <i>PLoS ONE</i> , 2011, 6, e26386.	2.5	37
76	Video game players show more precise multisensory temporal processing abilities. <i>Attention, Perception, and Psychophysics</i> , 2010, 72, 1120-1129.	1.3	166
77	Individual differences in nonverbal number discrimination correlate with event-related potentials and measures of probabilistic reasoning. <i>Neuropsychologia</i> , 2010, 48, 3687-3695.	1.6	27
78	The influence of reward associations on conflict processing in the Stroop task. <i>Cognition</i> , 2010, 117, 341-347.	2.2	241
79	The Saccadic Re-Centering Bias is Associated with Activity Changes in the Human Superior Colliculus. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 193.	2.0	17
80	High-Field fMRI Reveals Brain Activation Patterns Underlying Saccade Execution in the Human Superior Colliculus. <i>PLoS ONE</i> , 2010, 5, e8691.	2.5	41
81	Multisensory conflict modulates the spread of visual attention across a multisensory object. <i>NeuroImage</i> , 2010, 52, 606-616.	4.2	38
82	The multifaceted interplay between attention and multisensory integration. <i>Trends in Cognitive Sciences</i> , 2010, 14, 400-410.	7.8	633
83	The temporal dynamics of implicit processing of non-letter, letter, and word-forms in the human visual cortex. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 56.	2.0	32
84	Induced Alpha-band Oscillations Reflect Ratio-dependent Number Discrimination in the Infant Brain. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 2398-2406.	2.3	45
85	Intermodal attention affects the processing of the temporal alignment of audiovisual stimuli. <i>Experimental Brain Research</i> , 2009, 198, 313-328.	1.5	55
86	Rapid Electrophysiological Brain Responses are Influenced by Both Valence and Magnitude of Monetary Rewards. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 2058-2069.	2.3	126
87	Electrophysiological Measures of Time Processing in Infant and Adult Brains: Weber's Law Holds. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 193-203.	2.3	85
88	Face processing is gated by visual spatial attention. <i>Frontiers in Human Neuroscience</i> , 2008, 1, 10.	2.0	25
89	Dynamic MRI of Small Electrical Activity. <i>Methods in Molecular Biology</i> , 2008, 489, 297-315.	0.9	2
90	Timing and Sequence of Brain Activity in Top-Down Control of Visual-Spatial Attention. <i>PLoS Biology</i> , 2007, 5, e12.	5.6	129

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91	Electrophysiological evidence for notation independence in numerical processing. Behavioral and Brain Functions, 2007, 3, 1.	3.3	237
92	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
93	Component structure of event-related fMRI responses in the different neurovascular compartments. Magnetic Resonance Imaging, 2007, 25, 328-334.	1.8	8
94	Dissociation of event-related potentials indexing arousal and semantic cohesion during emotional word encoding. Brain and Cognition, 2006, 62, 43-57.	1.8	91
95	Attentional capacity for processing concurrent stimuli is larger across sensory modalities than within a modality. Psychophysiology, 2006, 43, 541-549.	2.4	69
96	Pre-target activity in visual cortex predicts behavioral performance on spatial and feature attention tasks. Brain Research, 2006, 1080, 63-72.	2.2	95
97	Electrophysiological activity underlying inhibitory control processes in normal adults. Neuropsychologia, 2006, 44, 384-395.	1.6	218
98	Hemispheric asymmetry of sulcus-function correspondence: Quantization and developmental implications. Human Brain Mapping, 2006, 27, 277-287.	3.6	16
99	Selective Attention and Audiovisual Integration: Is Attending to Both Modalities a Prerequisite for Early Integration?. Cerebral Cortex, 2006, 17, 679-690.	2.9	367
100	Children's Brain Activations While Viewing Televised Violence Revealed by fMRI. Media Psychology, 2006, 8, 25-37.	3.6	48
101	Multisensory processing and oscillatory gamma responses: effects of spatial selective attention. Experimental Brain Research, 2005, 166, 411-426.	1.5	115
102	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
103	Abnormal Brain Activity Related to Performance Monitoring and Error Detection in Children with ADHD. Cortex, 2005, 41, 377-388.	2.4	242
104	Control networks and hemispheric asymmetries in parietal cortex during attentional orienting in different spatial reference frames. Neurolmage, 2005, 25, 668-683.	4.2	51
105	Effects of attention on the neural processing of harmonic syntax in Western music. Cognitive Brain Research, 2005, 25, 678-687.	3.0	105
106	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
107	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
108	Functional Parcellation of Attentional Control Regions of the Brain. Journal of Cognitive Neuroscience, 2004, 16, 149-165.	2.3	178

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109	Timing in the baby brain. Cognitive Brain Research, 2004, 21, 227-233.	3.0	83
110	The BOLD fMRI refractory effect is specific to stimulus attributes: evidence from a visual motion paradigm. NeuroImage, 2004, 23, 402-408.	4.2	36
111	The ERP omitted stimulus response to "no-stim" events and its implications for fast-rate event-related fMRI designs. NeuroImage, 2003, 18, 856-864.	4.2	55
112	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
113	Delayed Striate Cortical Activation during Spatial Attention. Neuron, 2002, 35, 575-587.	8.1	247
114	BOLD signal compartmentalization based on the apparent diffusion coefficient. Magnetic Resonance Imaging, 2002, 20, 521-525.	1.8	15
115	Dissociating top-down attentional control from selective perception and action. Neuropsychologia, 2001, 39, 1277-1291.	1.6	138
116	An ERP study of the temporal course of the Stroop color-word interference effect. Neuropsychologia, 2000, 38, 701-711.	1.6	541
117	Intersubject Variability in Cortical Activations during a Complex Language Task. NeuroImage, 2000, 12, 326-339.	4.2	89
118	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
119	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
120	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
121	Intersubject variability of functional areas in the human visual cortex. , 1998, 6, 301-315.		126
122	Magnetoencephalographic recordings demonstrate attentional modulation of mismatch-related neural activity in human auditory cortex. Psychophysiology, 1998, 35, 283-292.	2.4	156
123	Auditory attention in the congenitally blind. NeuroReport, 1998, 9, 1007-1012.	1.2	150
124	Randomized event-related experimental designs allow for extremely rapid presentation rates using functional MRI. NeuroReport, 1998, 9, 3735-3739.	1.2	479
125	Activation of Human Auditory Cortex in Retrieval Experiments: An fMRI Study. Neural Plasticity, 1998, 6, 69-75.	2.2	9
126	Improving the temporal resolution of functional MR imaging using keyhole techniques. Magnetic Resonance in Medicine, 1996, 35, 854-860.	3.0	47

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127	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
128	Distortion of ERP averages due to overlap from temporally adjacent ERPs: Analysis and correction. Psychophysiology, 1993, 30, 98-119.	2.4	336
129	Modulation of early auditory processing during selective listening to rapidly presented tones. Electroencephalography and Clinical Neurophysiology, 1991, 79, 170-191.	0.3	337
130	The Effects of Channel-Selective Attention on the Mismatch Negativity Wave Elicited by Deviant Tones. Psychophysiology, 1991, 28, 30-42.	2.4	322
131	Cross-Modal Selective Attention Effects on Retinal, Myogenic, Brainstem, and Cerebral Evoked Potentials. Psychophysiology, 1990, 27, 195-208.	2.4	166
132	Combined Use of Microreflexes and Event-Related Brain Potentials as Measures of Auditory Selective Attention. Psychophysiology, 1987, 24, 632-647.	2.4	148