

Walter Schneider

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

17,560
citations

108046

37
h-index

139680

61
g-index

67
all docs

67
docs citations

67
times ranked

11365
citing authors

#	ARTICLE	IF	CITATIONS
1	MEG-Derived Symptom-Sensitive Biomarkers with Long-Term Test-Retest Reliability. <i>Diagnostics</i> , 2022, 12, 84.	1.3	3
2	Symptom-Dependent Changes in MEG-Derived Neuroelectric Brain Activity in Traumatic Brain Injury Patients with Chronic Symptoms. <i>Medical Sciences (Basel, Switzerland)</i> , 2021, 9, 20.	1.3	4
3	3D Convolutional Neural Network Segmentation of White Matter Tract Masks from MR Diffusion Anisotropy Maps. , 2019, , .		5
4	Preliminary Evidence for Improvement in Symptoms, Cognitive, Vestibular, and Oculomotor Outcomes Following Targeted Intervention with Chronic mTBI Patients. <i>Military Medicine</i> , 2018, 183, 333-338.	0.4	47
5	Empirical validation of directed functional connectivity. <i>NeuroImage</i> , 2017, 146, 275-287.	2.1	33
6	Longitudinal evaluation of corticospinal tract in patients with resected brainstem cavernous malformations using high-definition fiber tractography and diffusion connectometry analysis: preliminary experience. <i>Journal of Neurosurgery</i> , 2015, 123, 1133-1144.	0.9	35
7	Is the Link from Working Memory to Analogy Causal? No Analogy Improvements following Working Memory Training Gains. <i>PLoS ONE</i> , 2014, 9, e106616.	1.1	9
8	The nature of mind wandering during reading varies with the cognitive control demands of the reading strategy. <i>Brain Research</i> , 2013, 1539, 48-60.	1.1	19
9	The Brain's Learning and Control Architecture. <i>Current Directions in Psychological Science</i> , 2012, 21, 78-84.	2.8	156
10	In vivo quantification of global connectivity in the human corpus callosum. <i>NeuroImage</i> , 2012, 59, 1988-1996.	2.1	80
11	The neural correlates of strategic reading comprehension: Cognitive control and discourse comprehension. <i>NeuroImage</i> , 2011, 58, 675-686.	2.1	54
12	Rapid Transfer of Abstract Rules to Novel Contexts in Human Lateral Prefrontal Cortex. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 142.	1.0	82
13	Prefrontal Dynamics Underlying Rapid Instructed Task Learning Reverse with Practice. <i>Journal of Neuroscience</i> , 2010, 30, 14245-14254.	1.7	129
14	Identifying the brain's most globally connected regions. <i>NeuroImage</i> , 2010, 49, 3132-3148.	2.1	518
15	Selective Retrieval of Abstract Semantic Knowledge in Left Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 3790-3798.	1.7	61
16	The cognitive control network: Integrated cortical regions with dissociable functions. <i>NeuroImage</i> , 2007, 37, 343-360.	2.1	946
17	Brain Changes in the Development of Expertise: Neuroanatomical and Neurophysiological Evidence about Skill-Based Adaptations. , 2006, , 653-682.		58
18	Perceptual Knowledge Retrieval Activates Sensory Brain Regions. <i>Journal of Neuroscience</i> , 2006, 26, 4917-4921.	1.7	227

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19	Neuroimaging studies of practice-related change: fMRI and meta-analytic evidence of a domain-general control network for learning. <i>Cognitive Brain Research</i> , 2005, 25, 607-623.	3.3	383
20	Fiswidgets: A Graphical Computing Environment for Neuroimaging Analysis. <i>Neuroinformatics</i> , 2003, 1, 111-126.	1.5	64
21	Controlled & automatic processing: behavior, theory, and biological mechanisms. <i>Cognitive Science</i> , 2003, 27, 525-559.	0.8	486
22	Controlled & automatic processing: behavior, theory, and biological mechanisms. , 2003, 27, 525.		45
23	STEPâ€”A System for Teaching Experimental Psychology using E-Prime. <i>Behavior Research Methods</i> , 2001, 33, 287-296.	1.3	37
24	Working Memory in a Multilevel Hybrid Connectionist Control Architecture (CAP2). , 1999, , 340-374.		24
25	Functional Magnetic Resonance Imaging. , 1996, , 299-330.		0
26	Spiral K-space MR imaging of cortical activation. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 49-56.	1.9	243
27	Cognitive task design for FMRI. <i>International Journal of Imaging Systems and Technology</i> , 1995, 6, 253-270.	2.7	10
28	Comparison of Functional Magnetic Resonance Imaging with Positron Emission Tomography and Magnetoencephalography to Identify the Motor Cortex in a Patient with an Arteriovenous Malformation. <i>Computer Aided Surgery</i> , 1995, 1, 191-197.	1.8	1
29	Comparison of functional magnetic resonance imaging with positron emission tomography and magnetoencephalography to identify the motor cortex in a patient with an arteriovenous malformation. <i>Journal of Image Guided Surgery</i> , 1995, 1, 191-197.	0.4	55
30	Functional MRI mapping of stimulus rate effects across visual processing stages. <i>Human Brain Mapping</i> , 1994, 1, 117-133.	1.9	43
31	Neurobiology of attention and automaticity. <i>Current Opinion in Neurobiology</i> , 1994, 4, 177-182.	2.0	55
32	Functional topographic mapping of the cortical ribbon in human vision with conventional MRI scanners. <i>Nature</i> , 1993, 365, 150-153.	13.7	197
33	Strategy Guidance and Memory Aiding in Learning a Problem-Solving Skill. <i>Human Factors</i> , 1992, 34, 129-145.	2.1	26
34	Training Models to Estimate Training Costs for New Systems. , 1990, , 215-232.		1
35	Practice and working memory effects in building procedural skill.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1989, 15, 517-526.	0.7	86
36	Sensitivity analysis in connectionist modeling. <i>Behavior Research Methods</i> , 1988, 20, 282-288.	1.3	5

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37	A Connectionist/Control Architecture for Working Memory. Psychology of Learning and Motivation - Advances in Research and Theory, 1988, 21, 53-119.	0.5	92
38	Structure and controlling subsymbolic processing. Behavioral and Brain Sciences, 1988, 11, 51-52.	0.4	54
39	The Role of Practice in Dual-Task Performance: Toward Workload Modeling a Connectionist/Control Architecture. Human Factors, 1988, 30, 539-566.	2.1	127
40	A Connectionist/Control Architecture for Working Memory and Workload: Why Working Memory is not 7 +/âˆ² 2. Proceedings of the Human Factors Society Annual Meeting, 1987, 31, 684-688.	0.1	1
41	5. Automatic and Controlled Processing Theory and its Applications to Human Factors Problems. Advances in Psychology, 1987, , 159-197.	0.1	58
42	Connectionism: Is it a paradigm shift for psychology?. Behavior Research Methods, 1987, 19, 73-83.	1.3	101
43	The Effects of Practice and Task Structure on Components of the Event-Related Brain Potential. Psychophysiology, 1986, 23, 33-47.	1.2	166
44	Effects of perceptual training of sequenced line movements. Perception & Psychophysics, 1986, 39, 236-247.	2.3	20
45	A methodological assessment and evaluation of dual-task paradigms. Current Psychology, 1986, 5, 315-327.	0.4	49
46	Changes in Performance in Workload with Training. Proceedings of the Human Factors Society Annual Meeting, 1986, 30, 1128-1132.	0.1	2
47	Categorization (restructuring) and automatization: Two separable factors.. Psychological Review, 1985, 92, 424-428.	2.7	45
48	Internalizing the System Dynamics for a Second-Order System. Human Factors, 1985, 27, 371-393.	2.1	30
49	Training High-Performance Skills: Fallacies and Guidelines. Human Factors, 1985, 27, 285-300.	2.1	214
50	Consistent attending versus consistent responding in visual search: Task versus component consistency in automatic processing development. Bulletin of the Psychonomic Society, 1984, 22, 330-332.	0.2	30
51	Practice, attention, and the processing system. Behavioral and Brain Sciences, 1984, 7, 80-81.	0.4	24
52	Automatic and controlled processing revisited.. Psychological Review, 1984, 91, 269-276.	2.7	233
53	Automatic category search and its transfer.. Journal of Experimental Psychology: Learning Memory and Cognition, 1984, 10, 1-15.	0.7	135
54	Memory as a function of attention, level of processing, and automatization.. Journal of Experimental Psychology: Learning Memory and Cognition, 1984, 10, 181-197.	0.7	166

#	ARTICLE	IF	CITATIONS
55	Issues in Training for Skilled Performance. Proceedings of the Human Factors Society Annual Meeting, 1983, 27, 392-396.	0.1	2
56	The Assessment of Workload: Dual Task Methodology. Proceedings of the Human Factors Society Annual Meeting, 1983, 27, 229-233.	0.1	6
57	Category and word search: Generalizing search principles to complex processing.. Journal of Experimental Psychology: Learning Memory and Cognition, 1983, 9, 177-195.	0.7	124
58	Attention Theory and Mechanisms for Skilled Performance. Advances in Psychology, 1983, 12, 119-143.	0.1	78
59	Type of Task Practice and Time-Sharing Activities Predict Performance Deficits Due to Alcohol Ingestion. Proceedings of the Human Factors Society Annual Meeting, 1982, 26, 926-930.	0.1	16
60	Training Spatial Skills for Air-Traffic Control. Proceedings of the Human Factors Society Annual Meeting, 1982, 26, 10-14.	0.1	6
61	Degree of consistent training: Improvements in search performance and automatic process development. Perception & Psychophysics, 1982, 31, 160-168.	2.3	171
62	Concurrent automatic and controlled visual search: Can processing occur without resource cost?. Journal of Experimental Psychology: Learning Memory and Cognition, 1982, 8, 261-278.	0.7	167
63	Control and Automatic Processing During Tasks Requiring Sustained Attention: A New Approach to Vigilance. Human Factors, 1981, 23, 737-750.	2.1	142
64	Controlled and automatic human information processing: I. Detection, search, and attention.. Psychological Review, 1977, 84, 1-66.	2.7	5,446
65	Controlled and automatic human information processing: II. Perceptual learning, automatic attending and a general theory.. Psychological Review, 1977, 84, 127-190.	2.7	5,621