

# Vincent Walsh

## 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.

116  
papers

13,076  
citations

58  
h-index

114  
g-index

117  
ext. papers

14,516  
ext. citations

5.2  
avg, IF

6.77  
L-index

#	Paper	IF	Citations
116	Transcranial Magnetic Stimulation and the Understanding of Behavior. <i>Annual Review of Psychology</i> , <b>2021</b> , 72, 97-121	26.1	14
115	The visual system as target of non-invasive brain stimulation for migraine treatment: Current insights and future challenges. <i>Progress in Brain Research</i> , <b>2020</b> , 255, 207-247	2.9	2
114	The physiological effects of transcranial electrical stimulation do not apply to parameters commonly used in studies of cognitive neuromodulation. <i>Neuropsychologia</i> , <b>2019</b> , 128, 332-339	3.2	29
113	Enhancing duration processing with parietal brain stimulation. <i>Neuropsychologia</i> , <b>2016</b> , 85, 272-7	3.2	9
112	Learning to integrate versus inhibiting information is modulated by age. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 2213-25	6.6	21
111	Left insular cortex and left SFG underlie prismatic adaptation effects on time perception: evidence from fMRI. <i>NeuroImage</i> , <b>2014</b> , 92, 340-8	7.9	11
110	Transcranial electrical brain stimulation modulates neuronal tuning curves in perception of numerosity and duration. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 451-7	7.9	17
109	Combined TMS and FMRI reveal dissociable cortical pathways for dynamic and static face perception. <i>Current Biology</i> , <b>2014</b> , 24, 2066-70	6.3	87
108	Direct current stimulation (tDCS) reveals parietal asymmetry in local/global and salience-based selection. <i>Cortex</i> , <b>2013</b> , 49, 850-60	3.8	27
107	Interaction of numerosity and time in prefrontal and parietal cortex. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 883-93	6.6	83
106	Transfer of cognitive training across magnitude dimensions achieved with concurrent brain stimulation of the parietal lobe. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 14899-907	6.6	147
105	Magnitudes, Metaphors, and Modalities <b>2013</b> ,		3
104	Does excitatory fronto-extracerebral tDCS lead to improved working memory performance?. <i>F1000Research</i> , <b>2013</b> , 2, 219	3.6	21
103	Does excitatory fronto-extracerebral tDCS lead to improved working memory performance?. <i>F1000Research</i> , <b>2013</b> , 2, 219	3.6	28
102	Evidence accumulation in the magnitude system. <i>PLoS ONE</i> , <b>2013</b> , 8, e82122	3.7	36
101	Inter-individual differences in empathy are reflected in human brain structure. <i>NeuroImage</i> , <b>2012</b> , 62, 2034-9	7.9	135
100	Effects of TMS over premotor and superior temporal cortices on biological motion perception. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 896-904	3.1	99

99	Two critical and functionally distinct stages of face and body perception. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 15877-85	6.6	65
98	Smaller magnets for smarter minds?. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 452-3	14	3
97	Modulating behavioral inhibition by tDCS combined with cognitive training. <i>Experimental Brain Research</i> , <b>2012</b> , 219, 363-8	2.3	178
96	Transcranial Magnetic and Electric Stimulation in Perception and Cognition Research. <i>Frontiers in Neuroscience</i> , <b>2012</b> , 335-355		3
95	Contribution of frontal cortex to the spatial representation of number. <i>Cortex</i> , <b>2011</b> , 47, 2-13	3.8	36
94	TMS of the right angular gyrus modulates priming of pop-out in visual search: combined TMS-ERP evidence. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 3001-9	3.2	34
93	Frequency specific modulation of human somatosensory cortex. <i>Frontiers in Psychology</i> , <b>2011</b> , 2, 13	3.4	112
92	Specialization in the human brain: the case of numbers. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 62	3.3	43
91	Enhanced visual perception with occipital transcranial magnetic stimulation. <i>European Journal of Neuroscience</i> , <b>2011</b> , 34, 1320-5	3.5	64
90	The role of lateral occipital face and object areas in the face inversion effect. <i>Neuropsychologia</i> , <b>2011</b> , 49, 3448-53	3.2	50
89	Neural basis of mathematical cognition. <i>Current Biology</i> , <b>2011</b> , 21, R618-21	6.3	45
88	The role of the occipital face area in the cortical face perception network. <i>Experimental Brain Research</i> , <b>2011</b> , 209, 481-93	2.3	253
87	Superior facial expression, but not identity recognition, in mirror-touch synesthesia. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 1820-4	6.6	64
86	Investigating face-property specific processing in the right OFA. <i>Social Cognitive and Affective Neuroscience</i> , <b>2011</b> , 6, 58-65	4	34
85	The time course of ventrolateral prefrontal cortex involvement in memory formation. <i>Journal of Neurophysiology</i> , <b>2010</b> , 103, 1569-79	3.2	25
84	Encoding of temporal probabilities in the human brain. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 4343-52	6.6	75
83	Human middle temporal cortex, perceptual bias, and perceptual memory for ambiguous three-dimensional motion. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 760-6	6.6	43
82	Double dissociation of format-dependent and number-specific neurons in human parietal cortex. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 2166-71	5.1	62

81	Human frontal eye fields and target switching. <i>Cortex</i> , <b>2010</b> , 46, 178-84	3.8	24
80	The mechanism of transcranial magnetic stimulation in cognition. <i>Cortex</i> , <b>2010</b> , 46, 128-30	3.8	110
79	Transcranial alternating current stimulation (tACS) modulates cortical excitability as assessed by TMS-induced phosphene thresholds. <i>Clinical Neurophysiology</i> , <b>2010</b> , 121, 1551-1554	4.3	114
78	Suppressing sensorimotor activity modulates the discrimination of auditory emotions but not speaker identity. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 13552-7	6.6	49
77	The role of the left inferior frontal gyrus in episodic encoding of faces: An interference study by repetitive transcranial magnetic stimulation. <i>Cognitive Neuroscience</i> , <b>2010</b> , 1, 118-25	1.7	7
76	Memory for time distinguishes between perception and action. <i>Perception</i> , <b>2010</b> , 39, 81-90	1.2	22
75	Modulating neuronal activity produces specific and long-lasting changes in numerical competence. <i>Current Biology</i> , <b>2010</b> , 20, 2016-20	6.3	253
74	The neural signature of phosphene perception. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1408-17	5.9	53
73	Optimizing functional accuracy of TMS in cognitive studies: a comparison of methods. <i>Journal of Cognitive Neuroscience</i> , <b>2009</b> , 21, 207-21	3.1	266
72	The perceptual and functional consequences of parietal top-down modulation on the visual cortex. <i>Cerebral Cortex</i> , <b>2009</b> , 19, 327-30	5.1	72
71	Non-abstract numerical representations in the IPS: Further support, challenges, and clarifications. <i>Behavioral and Brain Sciences</i> , <b>2009</b> , 32, 356-373	0.9	3
70	TMS-adaptation reveals abstract letter selectivity in the left posterior parietal cortex. <i>Cerebral Cortex</i> , <b>2009</b> , 19, 2321-5	5.1	40
69	Triple dissociation of faces, bodies, and objects in extrastriate cortex. <i>Current Biology</i> , <b>2009</b> , 19, 319-24	6.3	244
68	Numerical cognition: reading numbers from the brain. <i>Current Biology</i> , <b>2009</b> , 19, R898-9	6.3	6
67	Visual perception: an orderly cue for consciousness. <i>Current Biology</i> , <b>2009</b> , 19, R1073-4	6.3	1
66	Synaesthesia: learned or lost?. <i>Developmental Science</i> , <b>2009</b> , 12, 484-91	4.5	53
65	Near space functioning of the human angular and supramarginal gyri. <i>Journal of Neuropsychology</i> , <b>2009</b> , 3, 31-43	2.6	23
64	Human dorsolateral prefrontal cortex is involved in visual search for conjunctions but not features: a theta TMS study. <i>Cortex</i> , <b>2009</b> , 45, 1085-90	3.8	36

63	Numerical representation in the parietal lobes: abstract or not abstract?. <i>Behavioral and Brain Sciences</i> , <b>2009</b> , 32, 313-28; discussion 328-73	0.9	253
62	Associative sequence learning: the role of experience in the development of imitation and the mirror system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2369-80	5.8	187
61	The parietal cortex and the representation of time, space, number and other magnitudes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 1831-40	5.8	497
60	Quantity without numbers and numbers without quantity in the parietal cortex. <i>NeuroImage</i> , <b>2009</b> , 46, 522-9	7.9	30
59	Efficacy of repetitive transcranial magnetic stimulation/transcranial direct current stimulation in cognitive neurorehabilitation. <i>Brain Stimulation</i> , <b>2008</b> , 1, 326-36	5.1	192
58	The SwhenSparietal pathway explored by lesion studies. <i>Current Opinion in Neurobiology</i> , <b>2008</b> , 18, 120-67.6	7.6	70
57	Frequency-dependent electrical stimulation of the visual cortex. <i>Current Biology</i> , <b>2008</b> , 18, 1839-43	6.3	298
56	Sensory and association cortex in time perception. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 1054-62	3.1	136
55	State-dependency in brain stimulation studies of perception and cognition. <i>Trends in Cognitive Sciences</i> , <b>2008</b> , 12, 447-54	14	404
54	Combining TMS and EEG to study cognitive function and cortico-cortico interactions. <i>Behavioural Brain Research</i> , <b>2008</b> , 191, 141-7	3.4	51
53	From magnitude to natural numbers: A developmental neurocognitive perspective. <i>Behavioral and Brain Sciences</i> , <b>2008</b> , 31, 647-648	0.9	68
52	Transcranial magnetic stimulation disrupts the perception and embodiment of facial expressions. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 8929-33	6.6	244
51	Different brain circuits underlie motor and perceptual representations of temporal intervals. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 204-14	3.1	116
50	TMS over the intraparietal sulcus induces perceptual fading. <i>Journal of Neurophysiology</i> , <b>2008</b> , 100, 3343-50	3.5	29
49	The role of superior temporal cortex in auditory timing. <i>PLoS ONE</i> , <b>2008</b> , 3, e2481	3.7	44
48	Neural adaptation reveals state-dependent effects of transcranial magnetic stimulation. <i>European Journal of Neuroscience</i> , <b>2007</b> , 25, 1874-81	3.5	204
47	Neural activation state determines behavioral susceptibility to modified theta burst transcranial magnetic stimulation. <i>European Journal of Neuroscience</i> , <b>2007</b> , 26, 523-8	3.5	90
46	Small is bright and big is dark in synaesthesia. <i>Current Biology</i> , <b>2007</b> , 17, R834-5	6.3	67

45	TMS evidence for the involvement of the right occipital face area in early face processing. <i>Current Biology</i> , <b>2007</b> , 17, 1568-73	6.3	364
44	Sensorimotor learning configures the human mirror system. <i>Current Biology</i> , <b>2007</b> , 17, 1527-31	6.3	486
43	Dyscalculia. <i>Current Biology</i> , <b>2007</b> , 17, R946-7	6.3	18
42	Left frontal eye field remembers "where" but not "what". <i>Neuropsychologia</i> , <b>2007</b> , 45, 2340-5	3.2	63
41	Human frontal eye fields and spatial priming of pop-out. <i>Journal of Cognitive Neuroscience</i> , <b>2007</b> , 19, 1140-51	3.1	27
40	The role of human extra-striate visual areas V5/MT and V2/V3 in the perception of the direction of global motion: a transcranial magnetic stimulation study. <i>Experimental Brain Research</i> , <b>2006</b> , 171, 558-62 <sup>2-3</sup>		35
39	Temporal dynamics of parietal cortex involvement in visual search. <i>Neuropsychologia</i> , <b>2006</b> , 44, 731-43	3.2	35
38	TMS over right posterior parietal cortex induces neglect in a scene-based frame of reference. <i>Neuropsychologia</i> , <b>2006</b> , 44, 1222-9	3.2	58
37	Right parietal cortex plays a critical role in change blindness. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 712-7	5.1	110
36	Inferior parietal rtms affects performance in an addition task. <i>Cortex</i> , <b>2006</b> , 42, 774-81	3.8	27
35	Visual area V5/MT remembers "what" but not "where". <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1766-70	5.1	71
34	Time perception: components of the brain's clock. <i>Current Biology</i> , <b>2005</b> , 15, R389-91	6.3	9
33	Dexterity with numbers: rTMS over left angular gyrus disrupts finger gnosis and number processing. <i>Neuropsychologia</i> , <b>2005</b> , 43, 1609-24	3.2	197
32	Chronostasis without voluntary action. <i>Experimental Brain Research</i> , <b>2005</b> , 161, 125-32	2.3	14
31	Visual selection and posterior parietal cortex: effects of repetitive transcranial magnetic stimulation on partial report analyzed by Bundesen's theory of visual attention. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 9602-12	6.6	77
30	The right parietal cortex and time perception: back to Critchley and the Zeigler phenomenon. <i>Cognitive Neuropsychology</i> , <b>2005</b> , 22, 306-15	2.3	55
29	Double dissociation of V1 and V5/MT activity in visual awareness. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 1736-41	5.1	203
28	Timing of target discrimination in human frontal eye fields. <i>Journal of Cognitive Neuroscience</i> , <b>2004</b> , 16, 1060-7	3.1	134

27	Magnetic stimulation studies of foveal representation. <i>Brain and Language</i> , <b>2004</b> , 88, 331-8	2.9	9
26	A magnetic stimulation examination of orthographic neighborhood effects in visual word recognition. <i>Journal of Cognitive Neuroscience</i> , <b>2003</b> , 15, 354-63	3.1	34
25	The parietal cortex in visual search: a visuomotor hypothesis. <i>Supplements To Clinical Neurophysiology</i> , <b>2003</b> , 56, 321-30		36
24	The effect of expectation on facilitation of colour/form conjunction tasks by TMS over area V5. <i>Neuropsychologia</i> , <b>2003</b> , 41, 1794-801	3.2	26
23	Time: the back-door of perception. <i>Trends in Cognitive Sciences</i> , <b>2003</b> , 7, 335-338	14	34
22	Brain changes after learning to read and play music. <i>NeuroImage</i> , <b>2003</b> , 20, 71-83	7.9	112
21	The cortical representation of centrally presented words: A magnetic stimulation study. <i>Visual Cognition</i> , <b>2003</b> , 10, 341-362	1.8	14
20	A theory of magnitude: common cortical metrics of time, space and quantity. <i>Trends in Cognitive Sciences</i> , <b>2003</b> , 7, 483-8	14	1459
19	Transcranial Magnetic Stimulation <b>2003</b> ,		144
18	Transcranial Magnetic Stimulation <b>2002</b> , 255-290		20
17	Vision: the when of perception. <i>Current Biology</i> , <b>2002</b> , 12, R355-6	6.3	2
16	Priming of motion direction and area V5/MT: a test of perceptual memory. <i>Cerebral Cortex</i> , <b>2002</b> , 12, 663-9	5.1	131
15	Spatial neglect in near and far space investigated by repetitive transcranial magnetic stimulation. <i>Brain</i> , <b>2002</b> , 125, 2012-22	11.2	175
14	Complementary localization and lateralization of orienting and motor attention. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 656-61	25.5	334
13	The role of transcranial magnetic stimulation (TMS) in studies of vision, attention and cognition. <i>Acta Psychologica</i> , <b>2001</b> , 107, 275-91	1.7	38
12	The mental number line and the human angular gyrus. <i>NeuroImage</i> , <b>2001</b> , 14, 1278-89	7.9	184
11	Plasticity revealed by transcranial magnetic stimulation of early visual cortex. <i>NeuroReport</i> , <b>2000</b> , 11, 1565-1569	1.7	22
10	Transcranial magnetic stimulation and cognitive neuroscience. <i>Nature Reviews Neuroscience</i> , <b>2000</b> , 1, 73-9	13.5	570

9	Transcranial magnetic stimulation in cognitive neuroscience--virtual lesion, chronometry, and functional connectivity. <i>Current Opinion in Neurobiology</i> , <b>2000</b> , 10, 232-7	7.6	683
8	Volunteer studies replacing animal experiments in brain research. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2000</b> , 28, 315-31	2.1	9
7	Magnetically induced phosphenes in sighted, blind and blindsighted observers. <i>NeuroReport</i> , <b>2000</b> , 11, 3269-73	1.7	219
6	Timing of activity in early visual cortex as revealed by transcranial magnetic stimulation. <i>NeuroReport</i> , <b>1999</b> , 10, 2631-4	1.7	110
5	Cortical plasticity in perceptual learning demonstrated by transcranial magnetic stimulation. <i>Neuropsychologia</i> , <b>1998</b> , 36, 45-9	3.2	70
4	Cortical plasticity in perceptual learning demonstrated by transcranial magnetic stimulation. <i>Neuropsychologia</i> , <b>1998</b> , 36, 363-7	3.2	69
3	Magnetic stimulation studies of visual cognition. <i>Trends in Cognitive Sciences</i> , <b>1998</b> , 2, 103-10	14	129
2	Task-specific impairments and enhancements induced by magnetic stimulation of human visual area V5. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 537-43	4.4	146
1	Polymathy: The Resurrection of Renaissance Man and the Renaissance Brain528-539		