Adrian M Owen

List of Publications by Year
in descending order

261 papers	38,027 citations	4960 84 h-index	3106 187 g-index
270 all docs	270 docs citations	270 times ranked	26581 citing authors

#	Article	IF	Citations
1	Nâ€back working memory paradigm: A metaâ€analysis of normative functional neuroimaging studies. Human Brain Mapping, 2005, 25, 46-59.	3.6	2,816
2	Common regions of the human frontal lobe recruited by diverse cognitive demands. Trends in Neurosciences, 2000, 23, 475-483.	8.6	2,158
3	Detecting Awareness in the Vegetative State. Science, 2006, 313, 1402-1402.	12.6	1,465
4	Willful Modulation of Brain Activity in Disorders of Consciousness. New England Journal of Medicine, 2010, 362, 579-589.	27.0	1,220
5	Planning and spatial working memory following frontal lobe lesions in man. Neuropsychologia, 1990, 28, 1021-1034.	1.6	1,150
6	The problem of functional localization in the human brain. Nature Reviews Neuroscience, 2002, 3, 243-249.	10.2	1,104
7	Anterior prefrontal cortex: insights into function from anatomy and neuroimaging. Nature Reviews Neuroscience, 2004, 5, 184-194.	10.2	1,085
8	The role of the right inferior frontal gyrus: inhibition and attentional control. NeuroImage, 2010, 50, 1313-1319.	4.2	1,064
9	Brain function in coma, vegetative state, and related disorders. Lancet Neurology, The, 2004, 3, 537-546.	10.2	888
10	Putting brain training to the test. Nature, 2010, 465, 775-778.	27.8	875
11	Choosing between Small, Likely Rewards and Large, Unlikely Rewards Activates Inferior and Orbital Prefrontal Cortex. Journal of Neuroscience, 1999, 19, 9029-9038.	3.6	738
12	The cognitive functions of the caudate nucleus. Progress in Neurobiology, 2008, 86, 141-155.	5.7	716
13	Defining the Neural Mechanisms of Probabilistic Reversal Learning Using Event-Related Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2002, 22, 4563-4567.	3.6	631
14	Contrasting mechanisms of impaired attentional set-shifting in patients with frontal lobe damage or Parkinson's disease. Brain, 1993, 116, 1159-1175.	7.6	617
15	Extra-dimensional versus intra-dimensional set shifting performance following frontal lobe excisions, temporal lobe excisions or amygdalo-hippocampectomy in man. Neuropsychologia, 1991, 29, 993-1006.	1.6	609
16	Bedside detection of awareness in the vegetative state: a cohort study. Lancet, The, 2011, 378, 2088-2094.	13.7	559
17	A study of performance on tests from the CANTAB battery sensitive to frontal lobe dysfunction in a large sample of normal volunteers: Implications for theories of executive functioning and cognitive aging. Journal of the International Neuropsychological Society, 1998, 4, 474-90.	1.8	503
18	Methylphenidate Enhances Working Memory by Modulating Discrete Frontal and Parietal Lobe Regions in the Human Brain. Journal of Neuroscience, 2000, 20, RC65-RC65.	3.6	496

#	Article	IF	Citations
19	Visuo-spatial short-term recognition memory and learning after temporal lobe excisions, frontal lobe excisions or amygdalo-hippocampectomy in man. Neuropsychologia, 1995, 33, 1-24.	1.6	489
20	Orbitofrontal Dysfunction in Patients with Obsessive-Compulsive Disorder and Their Unaffected Relatives. Science, 2008, 321, 421-422.	12.6	477
21	Cognitive Impairments in Early Parkinson's Disease Are Accompanied by Reductions in Activity in Frontostriatal Neural Circuitry. Journal of Neuroscience, 2003, 23, 6351-6356.	3.6	476
22	Planning and Spatial Working Memory: a Positron Emission Tomography Study in Humans. European Journal of Neuroscience, 1996, 8, 353-364.	2.6	432
23	Cognitive Dysfunction in Parkinsonâ€™s Disease: The Role of Frontostriatal Circuitry. Neuroscientist, 2004, 10, 525-537.	3.5	430
24	The Functional Organization of Working Memory Processes Within Human Lateral Frontal Cortex: The Contribution of Functional Neuroimaging. European Journal of Neuroscience, 1997, 9, 1329-1339.	2.6	397
25	Dopaminergic modulation of high-level cognition in Parkinson's disease: the role of the prefrontal cortex revealed by PET. Brain, 2002, 125, 584-594.	7.6	382
26	Mapping the network for planning: a correlational PET activation study with the Tower of London task. Brain, 1999, 122, 1973-1987.	7.6	368
27	Spatial and non-spatial working memory at different stages of Parkinson's disease. Neuropsychologia, 1997, 35, 519-532.	1.6	356
28	Comparison of set-shifting ability in patients with chronic schizophrenia and frontal lobe damage. Schizophrenia Research, 1999, 37, 251-270.	2.0	333
29	Encoding Strategies Dissociate Prefrontal Activity from Working Memory Demand. Neuron, 2003, 37, 361-367.	8.1	320
30	Dissociable Contributions of the Human Amygdala and Orbitofrontal Cortex to Incentive Motivation and Goal Selection. Journal of Neuroscience, 2003, 23, 9632-9638.	3.6	307
31	Fractionating Human Intelligence. Neuron, 2012, 76, 1225-1237.	8.1	307
32	Double dissociations of memory and executive functions in working memory tasks following frontal lobe excisions, temporal lobe excisions or amygdalo-hippocampectomy in man. Brain, 1996, 119, 1597-1615.	7.6	292
33	The role of the lateral frontal cortex in mnemonic processing: the contribution of functional neuroimaging. Experimental Brain Research, 2000, 133, 33-43.	1.5	289
34	Fractionating Attentional Control Using Event-Related fMRI. Cerebral Cortex, 2005, 16, 1679-1689.	2.9	289
35	Functional Anatomy of Visuomotor Skill Learning in Human Subjects Examined with Positron Emission Tomography. European Journal of Neuroscience, 1996, 8, 637-648.	2.6	281
36	Dopaminergic basis for deficits in working memory but not attentional set-shifting in Parkinson's disease. Neuropsychologia, 2005, 43, 823-832.	1.6	265

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37	Redefining the functional organization of working memory processes within human lateral prefrontal cortex. European Journal of Neuroscience, 1999, 11, 567-574.	2.6	252
38	Expectation and Attention in Hierarchical Auditory Prediction. Journal of Neuroscience, 2013, 33, 11194-11205.	3.6	245
39	Dopamine-dependent frontostriatal planning deficits in early Parkinson's disease.. Neuropsychology, 1995, 9, 126-140.	1.3	242
40	Cognitive planning in humans: Neuropsychological, neuroanatomical and neuropharmacological perspectives. Progress in Neurobiology, 1997, 53, 431-450.	5.7	240
41	Striatal contributions to working memory: a functional magnetic resonance imaging study in humans. European Journal of Neuroscience, 2004, 19, 755-760.	2.6	238
42	Dissociating speech perception and comprehension at reduced levels of awareness. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16032-16037.	7.1	238
43	Into the groove: Can rhythm influence Parkinson's disease?. Neuroscience and Biobehavioral Reviews, 2013, 37, 2564-2570.	6.1	233
44	Are There Levels of Consciousness?. Trends in Cognitive Sciences, 2016, 20, 405-413.	7.8	233
45	A role for the default mode network in the bases of disorders of consciousness. Annals of Neurology, 2012, 72, 335-343.	5.3	231
46	Do vegetative patients retain aspects of language comprehension? Evidence from fMRI. Brain, 2007, 130, 2494-2507.	7.6	230
47	The role of the basal ganglia in learning and memory: Neuropsychological studies. Behavioural Brain Research, 2009, 199, 53-60.	2.2	217
48	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. NeuroImage, 2011, 54, 103-112.	4.2	213
49	Functional neuroimaging of the vegetative state. Nature Reviews Neuroscience, 2008, 9, 235-243.	10.2	201
50	The vegetative state. BMJ: British Medical Journal, 2010, 341, c3765-c3765.	2.3	195
51	Optimized Brain Extraction for Pathological Brains (optiBET). PLoS ONE, 2014, 9, e115551.	2.5	191
52	Psychiatric, neurological and medical aspects of misidentification syndromes: a review of 260 cases. Psychological Medicine, 1991, 21, 905-910.	4.5	188
53	Baseline and longitudinal grey matter changes in newly diagnosed Parkinsonâ€™s disease: ICICLE-PD study. Brain, 2015, 138, 2974-2986.	7.6	188
54	Spectral Signatures of Reorganised Brain Networks in Disorders of Consciousness. PLoS Computational Biology, 2014, 10, e1003887.	3.2	176

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55	CatecholO-Methyltransferase val¹⁵⁸met Genotype Influences Frontoparietal Activity during Planning in Patients with Parkinson's Disease. Journal of Neuroscience, 2007, 27, 4832-4838.	3.6	175
56	Using executive heterogeneity to explore the nature of working memory deficits in Parkinsonâ€™s disease. Neuropsychologia, 2003, 41, 645-654.	1.6	173
57	Attentional control in Parkinson's disease is dependent on COMT val158met genotype. Brain, 2008, 131, 397-408.	7.6	165
58	Detecting awareness after severe brain injury. Nature Reviews Neuroscience, 2013, 14, 801-809.	10.2	163
59	Consciousness-specific dynamic interactions of brain integration and functional diversity. Nature Communications, 2019, 10, 4616.	12.8	163
60	Neural contributions to the motivational control of appetite in humans. European Journal of Neuroscience, 2004, 20, 1411-1418.	2.6	156
61	Planning and problem solving: From neuropsychology to functional neuroimaging. Journal of Physiology (Paris), 2006, 99, 308-317.	2.1	151
62	A common neural code for similar conscious experiences in different individuals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14277-14282.	7.1	143
63	A Specific Role for the Right Parahippocampal Gyrus in the Retrieval of Object-Location: A Positron Emission Tomography Study. Journal of Cognitive Neuroscience, 1996, 8, 588-602.	2.3	139
64	Enhancing the Sensitivity of a Sustained Attention Task to Frontal Damage: Convergent Clinical and Functional Imaging Evidence. Neurocase, 2003, 9, 340-349.	0.6	139
65	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. Annals of Neurology, 2015, 78, 68-76.	5.3	137
66	Dehydration affects brain structure and function in healthy adolescents. Human Brain Mapping, 2011, 32, 71-79.	3.6	130
67	Genetic impact on cognition and brain function in newly diagnosed Parkinsonâ€™s disease: ICICLE-PD study. Brain, 2014, 137, 2743-2758.	7.6	127
68	Prefrontal cortical involvement in verbal encoding strategies. European Journal of Neuroscience, 2004, 19, 3365-3370.	2.6	125
69	Using Functional Magnetic Resonance Imaging to Detect Covert Awareness in the Vegetative State. Archives of Neurology, 2007, 64, 1098.	4.5	114
70	Distinct Roles for Lateral and Medial Anterior Prefrontal Cortex in Contextual Recollection. Journal of Neurophysiology, 2005, 94, 813-820.	1.8	113
71	Anterior prefrontal cortex and the recollection of contextual information. Neuropsychologia, 2005, 43, 1774-1783.	1.6	112
72	Activity in Ventrolateral and Mid-Dorsolateral Prefrontal Cortex during Nonspatial Visual Working Memory Processing: Evidence from Functional Magnetic Resonance Imaging. NeuroImage, 2000, 11, 392-399.	4.2	110

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73	Residual auditory function in persistent vegetative state: a combined pet and fmri study. Neuropsychological Rehabilitation, 2005, 15, 290-306.	1.6	107
74	Making Every Word Count for Nonresponsive Patients. JAMA Neurology, 2013, 70, 1235-41.	9.0	107
75	Thalamo-frontal connectivity mediates top-down cognitive functions in disorders of consciousness. Neurology, 2015, 84, 167-173.	1.1	105
76	Impaired Preference Conditioning after Anterior Temporal Lobe Resection in Humans. Journal of Neuroscience, 2000, 20, 2649-2656.	3.6	104
77	Selective tuning of the right inferior frontal gyrus during target detection. Cognitive, Affective and Behavioral Neuroscience, 2009, 9, 103-112.	2.0	102
78	Brainâ€"computer interfaces for communication with nonresponsive patients. Annals of Neurology, 2012, 72, 312-323.	5.3	100
79	Detecting Awareness in the Vegetative State. Annals of the New York Academy of Sciences, 2008, 1129, 130-138.	3.8	97
80	Detecting Awareness in the Vegetative State: Electroencephalographic Evidence for Attempted Movements to Command. PLoS ONE, 2012, 7, e49933.	2.5	97
81	Cognitive Tasks for Driving a Brain-Computer Interfacing System: A Pilot Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2004, 12, 48-54.	4.9	96
82	Detecting Residual Cognitive Function in Persistent Vegetative State. Neurocase, 2002, 8, 394-403.	0.6	94
83	Why Clowns Taste Funny: The Relationship between Humor and Semantic Ambiguity. Journal of Neuroscience, 2011, 31, 9665-9671.	3.6	90
84	A Thalamocortical Mechanism for the Absence of Overt Motor Behavior in Covertly Aware Patients. JAMA Neurology, 2015, 72, 1442.	9.0	90
85	The functional organization of the lateral frontal cortex: conjecture or conjuncture in the electrophysiology literature?. Trends in Cognitive Sciences, 1998, 2, 46-53.	7.8	88
86	Detecting Consciousness: A Unique Role for Neuroimaging. Annual Review of Psychology, 2013, 64, 109-133.	17.7	88
87	A Common Prefrontalâ€"Parietal Network for Mnemonic and Mathematical Recoding Strategies within Working Memory. Cerebral Cortex, 2007, 17, 778-786.	2.9	85
88	Bilingualism Affords No General Cognitive Advantages: A Population Study of Executive Function in 11,000 People. Psychological Science, 2020, 31, 548-567.	3.3	81
89	Lateral Prefrontal Cortex Subregions Make Dissociable Contributions during Fluid Reasoning. Cerebral Cortex, 2011, 21, 1-10.	2.9	80
90	Dissociable endogenous and exogenous attention in disorders of consciousness. NeuroImage: Clinical, 2013, 3, 450-461.	2.7	77

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91	Reforming the taxonomy in disorders of consciousness. Annals of Neurology, 2017, 82, 866-872.	5.3	75
92	Brainâ€"computer interfacing in disorders of consciousness. Brain Injury, 2012, 26, 1510-1522.	1.2	74
93	Hypoconnectivity and Hyperfrontality in Retired American Football Players. Scientific Reports, 2013, 3, 2972.	3.3	74
94	Frontoparietal Activity with Minimal Decision and Control. Journal of Neuroscience, 2006, 26, 9805-9809.	3.6	72
95	Dissociable effects of self-reported daily sleep duration on high-level cognitive abilities. Sleep, 2018, 41, .	1.1	72
96	The Strategic Control of Gaze Direction in the Tower of London Task. Journal of Cognitive Neuroscience, 2000, 12, 894-907.	2.3	71
97	Functional Neuroanatomy of Successful Paired Associate Learning in Alzheimerâ€™s Disease. American Journal of Psychiatry, 2005, 162, 2049-2060.	7.2	71
98	Selective Tuning of the Blood Oxygenation Level-Dependent Response during Simple Target Detection Dissociates Human Frontoparietal Subregions. Journal of Neuroscience, 2007, 27, 6219-6223.	3.6	71
99	The Brain's Silent Messenger: Using Selective Attention to Decode Human Thought for Brain-Based Communication. Journal of Neuroscience, 2013, 33, 9385-9393.	3.6	71
100	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. Human Brain Mapping, 2017, 38, 431-443.	3.6	71
101	How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?. Current Opinion in Neurology, 2006, 19, 520-527.	3.6	70
102	Dissociable roles for lateral orbitofrontal cortex and lateral prefrontal cortex during preference driven reversal learning. NeuroImage, 2012, 59, 4102-4112.	4.2	70
103	Frontal lobe involvement in spatial span: Converging studies of normal and impaired function. Neuropsychologia, 2006, 44, 229-237.	1.6	69
104	Neuroimaging and the Vegetative State. Annals of the New York Academy of Sciences, 2009, 1157, 81-89.	3.8	66
105	Relationship between the anterior forebrain mesocircuit and the default mode network in the structural bases of disorders of consciousness. NeuroImage: Clinical, 2016, 10, 27-35.	2.7	66
106	Visual cognition in disorders of consciousness: From V1 to topâ€down attention. Human Brain Mapping, 2013, 34, 1245-1253.	3.6	65
107	Risk, diagnostic error, and the clinical science of consciousness. NeuroImage: Clinical, 2015, 7, 588-597.	2.7	65
108	Actigraphy assessments of circadian sleep-wake cycles in the Vegetative and Minimally Conscious States. BMC Medicine, 2013, 11, 18.	5.5	63

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109	Multiple tasks and neuroimaging modalities increase the likelihood of detecting covert awareness in patients with disorders of consciousness. Frontiers in Human Neuroscience, 2014, 8, 950.	2.0	62
110	Detecting and interpreting conscious experiences in behaviorally non-responsive patients. NeuroImage, 2017, 145, 304-313.	4.2	61
111	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. Neurocritical Care, 2021, 35, 68-85.	2.4	60
112	Anesthesia and neuroimaging: investigating the neural correlates of unconsciousness. Trends in Cognitive Sciences, 2015, 19, 100-107.	7.8	58
113	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	12.0	58
114	Executive functions in the absence of behavior: functional imaging of the minimally conscious state. Progress in Brain Research, 2009, 177, 249-260.	1.4	56
115	A new era of coma and consciousness science. Progress in Brain Research, 2009, 177, 399-411.	1.4	56
116	A hierarchy of event-related potential markers of auditory processing in disorders of consciousness. NeuroImage: Clinical, 2016, 12, 359-371.	2.7	54
117	The role of learned irrelevance in attentional set-shifting impairments in Parkinson's disease.. Neuropsychology, 2006, 20, 578-588.	1.3	53
118	Somatosensory attention identifies both overt and covert awareness in disorders of consciousness. Annals of Neurology, 2016, 80, 412-423.	5.3	51
119	The reliability of the N400 in single subjects: Implications for patients with disorders of consciousness. NeuroImage: Clinical, 2014, 4, 788-799.	2.7	50
120	Assessing Decision-Making Capacity in the Behaviorally Nonresponsive Patient With Residual Covert Awareness. AJOB Neuroscience, 2013, 4, 3-14.	1.1	49
121	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. Brain Connectivity, 2016, 6, 225-237.	1.7	49
122	Consciousness revealed: new insights into the vegetative and minimally conscious states. Current Opinion in Neurology, 2010, 23, 656-660.	3.6	48
123	The Clinical Utility of fMRI for Identifying Covert Awareness in the Vegetative State: A Comparison of Sensitivity between 3T and 1.5T. PLoS ONE, 2014, 9, e95082.	2.5	48
124	Longitudinal whole-brain atrophy and ventricular enlargement in nondemented Parkinson's disease. Neurobiology of Aging, 2017, 55, 78-90.	3.1	48
125	Asymmetric frontal activation during episodic memory: the effects of stimulus type on encoding and retrieval. Neuropsychologia, 2000, 38, 677-692.	1.6	46
126	Disorders of Consciousness. Annals of the New York Academy of Sciences, 2008, 1124, 225-238.	3.8	46

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127	Striatum in stimulusâ€"response learning via feedback and in decision making. NeuroImage, 2014, 101, 448-457.	4.2	46
128	Preference judgements involve a network of structures within frontal, cingulate and insula cortices. European Journal of Neuroscience, 2009, 29, 1047-1055.	2.6	45
129	How to become an expert: A new perspective on the role of sleep in the mastery of procedural skills. Neurobiology of Learning and Memory, 2015, 125, 236-248.	1.9	45
130	Functional diversity of brain networks supports consciousness and verbal intelligence. Scientific Reports, 2018, 8, 13259.	3.3	45
131	Dissociating aspects of verbal working memory within the human frontal lobe: Further evidence for a â€œprocess-specificâ€•model of lateral frontal organization. Cognitive, Affective and Behavioral Neuroscience, 2000, 28, 146-155.	1.3	43
132	Thirty-Five Years of Computerized Cognitive Assessment of Agingâ€"Where Are We Now?. Diagnostics, 2019, 9, 114.	2.6	42
133	Single-session communication with a locked-in patient by functional near-infrared spectroscopy. Neurophotonics, 2017, 4, 1.	3.3	42
134	Episodic Memory Meets Working Memory in the Frontal Lobe: Functional Neuroimaging Studies of Encoding and Retrieval. Critical Reviews in Neurobiology, 2000, 14, 33.	3.1	42
135	How Does Reward Expectation Influence Cognition in the Human Brain?. Journal of Cognitive Neuroscience, 2008, 20, 1980-1992.	2.3	41
136	Sleep Spindles and Intellectual Ability: Epiphenomenon or Directly Related?. Journal of Cognitive Neuroscience, 2017, 29, 167-182.	2.3	41
137	Perceptual and Semantic Components of Memory for Objects and Faces: A PET Study. Journal of Cognitive Neuroscience, 2001, 13, 430-443.	2.3	40
138	HERA today, gone tomorrow?. Trends in Cognitive Sciences, 2003, 7, 383-384.	7.8	40
139	Inefficiency in Self-organized Attentional Switching in the Normal Aging Population is Associated with Decreased Activity in the Ventrolateral Prefrontal Cortex. Journal of Cognitive Neuroscience, 2008, 20, 1670-1686.	2.3	39
140	Network mechanisms of intentional learning. NeuroImage, 2016, 127, 123-134.	4.2	39
141	Neural Correlates of Appetite and Hunger-Related Evaluative Judgments. PLoS ONE, 2009, 4, e6581.	2.5	38
142	The importance of sustained attention in early Alzheimer's disease. International Journal of Geriatric Psychiatry, 2017, 32, 860-867.	2.7	37
143	Reanalysis of â€œBedside detection of awareness in the vegetative state: a cohort studyâ€•â€" Authors' reply. Lancet, The, 2013, 381, 291-292.	13.7	36
144	Differential Effects of Parkinson's Disease and Dopamine Replacement on Memory Encoding and Retrieval. PLoS ONE, 2013, 8, e74044.	2.5	36

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145	Improving reverse neuroimaging inference: cognitive domain versus cognitive complexity. Trends in Cognitive Sciences, 2006, 10, 352-353.	7.8	35
146	Functional MRI in disorders of consciousness: advantages and limitations. Current Opinion in Neurology, 2007, 20, 632-637.	3.6	35
147	Association between MAPT haplotype and memory function in patients with Parkinson's disease and healthy aging individuals. Neurobiology of Aging, 2015, 36, 1519-1528.	3.1	35
148	Can time-resolved NIRS provide the sensitivity to detect brain activity during motor imagery consistently?. Biomedical Optics Express, 2017, 8, 2162.	2.9	35
149	Longitudinal diffusion tensor imaging changes in early Parkinsonâ€™s disease: ICICLE-PD study. Journal of Neurology, 2018, 265, 1528-1539.	3.6	35
150	Lies, damned lies and diagnoses: Estimating the clinical utility of assessments of covert awareness in the vegetative state. Brain Injury, 2014, 28, 1197-1201.	1.2	34
151	The Search for Consciousness. Neuron, 2019, 102, 526-528.	8.1	32
152	Brain Activation Time-Locked to Sleep Spindles Associated With Human Cognitive Abilities. Frontiers in Neuroscience, 2019, 13, 46.	2.8	31
153	Assessing Time-Resolved fNIRS for Brain-Computer Interface Applications of Mental Communication. Frontiers in Neuroscience, 2020, 14, 105.	2.8	31
154	The Target Selective Neural Response â€" Similarity, Ambiguity, and Learning Effects. PLoS ONE, 2008, 3, e2520.	2.5	31
155	Dissociable contributions of the mid-ventrolateral frontal cortex and the medial temporal lobe system to human memory. NeuroImage, 2006, 31, 1790-1801.	4.2	30
156	Parkinson's disease and healthy aging: Independent and interacting effects on action selection. Human Brain Mapping, 2010, 31, 1886-1899.	3.6	30
157	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. Frontiers in Human Neuroscience, 2014, 8, 1028.	2.0	30
158	Working Memory: Imaging the Magic Number Four. Current Biology, 2004, 14, R573-R574.	3.9	28
159	Ethical considerations in functional magnetic resonance imaging research in acutely comatose patients. Brain, 2016, 139, 292-299.	7.6	28
160	Improving Diagnosis and Prognosis in Acute Severe Brain Injury: A Multimodal Imaging Protocol. Frontiers in Neurology, 2021, 12, 757219.	2.4	28
161	Points in Mental Space: an Interdisciplinary Study of Imagery in Movement Creation. Dance Research, 2011, 29, 404-432.	0.1	26
162	An Ethics of Welfare for Patients Diagnosed as Vegetative With Covert Awareness. AJOB Neuroscience, 2015, 6, 31-41.	1.1	26

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163	Assessing residual reasoning ability in overtly non-communicative patients using fMRI. NeuroImage: Clinical, 2013, 2, 174-183.	2.7	25
164	Assessing Capacity in the Elderly: Comparing the MoCA with a Novel Computerized Battery of Executive Function. Dementia and Geriatric Cognitive Disorders Extra, 2017, 7, 249-256.	1.3	25
165	Diagnostic accuracy of brain imaging in the vegetative state. Nature Reviews Neurology, 2014, 10, 370-371.	10.1	24
166	Learning to be inflexible: Enhanced attentional biases in Parkinson's disease. Cortex, 2016, 82, 24-34.	2.4	24
167	Covert narrative capacity: Mental life in patients thought to lack consciousness. Annals of Clinical and Translational Neurology, 2017, 4, 61-70.	3.7	24
168	Whole-brain modelling identifies distinct but convergent paths to unconsciousness in anaesthesia and disorders of consciousness. Communications Biology, 2022, 5, 384.	4.4	23
169	Acknowledging awareness: informing families of individual research results for patients in the vegetative state. Journal of Medical Ethics, 2015, 41, 534-538.	1.8	22
170	Targeted training: Converging evidence against the transferable benefits of online brain training on cognitive function. Neuropsychologia, 2018, 117, 541-550.	1.6	22
171	The neural basis of external responsiveness in prolonged disorders of consciousness. NeuroImage: Clinical, 2019, 22, 101791.	2.7	22
172	Prolonged disorders of consciousness: a critical evaluation of the new UK guidelines. Brain, 2021, 144, 1655-1660.	7.6	22
173	The Potential Role of fNIRS in Evaluating Levels of Consciousness. Frontiers in Human Neuroscience, 2021, 15, 703405.	2.0	22
174	Examining dorsal striatum in cognitive effort using Parkinson's disease and fMRI. Annals of Clinical and Translational Neurology, 2014, 1, 390-400.	3.7	21
175	Using functional magnetic resonance imaging and electroencephalography to detect consciousness after severe brain injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 127, 277-293.	1.8	21
176	Progression from Vegetative to Minimally Conscious State Is Associated with Changes in Brain Neural Response to Passive Tasks: A Longitudinal Single-Case Functional MRI Study. Journal of the International Neuropsychological Society, 2016, 22, 620-630.	1.8	21
177	Group-based exercise and cognitive-physical training in older adults with self-reported cognitive complaints: The Multiple-Modality, Mind-Motor (M4) study protocol. BMC Geriatrics, 2016, 16, 17.	2.7	21
178	Normal aging and Parkinson's disease are associated with the functional decline of distinct frontal-striatal circuits. Cortex, 2017, 93, 178-192.	2.4	21
179	A Novel Approach to Dream Content Analysis Reveals Links Between Learning-Related Dream Incorporation and Cognitive Abilities. Frontiers in Psychology, 2018, 9, 1398.	2.1	21
180	Neural correlates of affective influence on choice. Brain and Cognition, 2010, 72, 282-288.	1.8	20

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181	Complexity and familiarity enhance single-trial detectability of imagined movements with electroencephalography. Clinical Neurophysiology, 2014, 125, 1556-1567.	1.5	20
182	Do Patients Thought to Lack Consciousness Retain the Capacity for Internal as Well as External Awareness?. Frontiers in Neurology, 2018, 9, 492.	2.4	20
183	Tuning in to the temporal dynamics of brain activation using functional magnetic resonance imaging (fMRI). Trends in Cognitive Sciences, 1997, 1, 123-125.	7.8	19
184	The engagement of mid-ventrolateral prefrontal cortex and posterior brain regions in intentional cognitive activity. Human Brain Mapping, 2008, 29, 107-119.	3.6	19
185	Feasibility of a web-based neurocognitive battery for assessing cognitive function in critical illness survivors. PLoS ONE, 2019, 14, e0215203.	2.5	19
186	Behavior in the Brain. Journal of Psychophysiology, 2010, 24, 76-82.	0.7	19
187	Ethics of neuroimaging after serious brain injury. BMC Medical Ethics, 2014, 15, 41.	2.4	18
188	Cognitive changes following multiple-modality exercise and mind-motor training in older adults with subjective cognitive complaints: The M4 study. PLoS ONE, 2018, 13, e0196356.	2.5	18
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