

Adrian M Owen

List of Publications by Year in descending order

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261
papers

38,027
citations

4955

84
h-index

3102

187
g-index

270
all docs

270
docs citations

270
times ranked

26581
citing authors

#	ARTICLE	IF	CITATIONS
1	N-back working memory paradigm: A meta-analysis of normative functional neuroimaging studies. <i>Human Brain Mapping</i> , 2005, 25, 46-59.	1.9	2,816
2	Common regions of the human frontal lobe recruited by diverse cognitive demands. <i>Trends in Neurosciences</i> , 2000, 23, 475-483.	4.2	2,158
3	Detecting Awareness in the Vegetative State. <i>Science</i> , 2006, 313, 1402-1402.	6.0	1,465
4	Willful Modulation of Brain Activity in Disorders of Consciousness. <i>New England Journal of Medicine</i> , 2010, 362, 579-589.	13.9	1,220
5	Planning and spatial working memory following frontal lobe lesions in man. <i>Neuropsychologia</i> , 1990, 28, 1021-1034.	0.7	1,150
6	The problem of functional localization in the human brain. <i>Nature Reviews Neuroscience</i> , 2002, 3, 243-249.	4.9	1,104
7	Anterior prefrontal cortex: insights into function from anatomy and neuroimaging. <i>Nature Reviews Neuroscience</i> , 2004, 5, 184-194.	4.9	1,085
8	The role of the right inferior frontal gyrus: inhibition and attentional control. <i>NeuroImage</i> , 2010, 50, 1313-1319.	2.1	1,064
9	Brain function in coma, vegetative state, and related disorders. <i>Lancet Neurology</i> , The, 2004, 3, 537-546.	4.9	888
10	Putting brain training to the test. <i>Nature</i> , 2010, 465, 775-778.	13.7	875
11	Choosing between Small, Likely Rewards and Large, Unlikely Rewards Activates Inferior and Orbital Prefrontal Cortex. <i>Journal of Neuroscience</i> , 1999, 19, 9029-9038.	1.7	738
12	The cognitive functions of the caudate nucleus. <i>Progress in Neurobiology</i> , 2008, 86, 141-155.	2.8	716
13	Defining the Neural Mechanisms of Probabilistic Reversal Learning Using Event-Related Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2002, 22, 4563-4567.	1.7	631
14	Contrasting mechanisms of impaired attentional set-shifting in patients with frontal lobe damage or Parkinson's disease. <i>Brain</i> , 1993, 116, 1159-1175.	3.7	617
15	Extra-dimensional versus intra-dimensional set shifting performance following frontal lobe excisions, temporal lobe excisions or amygdalo-hippocampectomy in man. <i>Neuropsychologia</i> , 1991, 29, 993-1006.	0.7	609
16	Bedside detection of awareness in the vegetative state: a cohort study. <i>Lancet</i> , The, 2011, 378, 2088-2094.	6.3	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. <i>Journal of the International Neuropsychological Society</i> , 1998, 4, 474-90.	1.2	503
18	Methylphenidate Enhances Working Memory by Modulating Discrete Frontal and Parietal Lobe Regions in the Human Brain. <i>Journal of Neuroscience</i> , 2000, 20, RC65-RC65.	1.7	496

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19	Visuo-spatial short-term recognition memory and learning after temporal lobe excisions, frontal lobe excisions or amygdalo-hippocampectomy in man. <i>Neuropsychologia</i> , 1995, 33, 1-24.	0.7	489
20	Orbitofrontal Dysfunction in Patients with Obsessive-Compulsive Disorder and Their Unaffected Relatives. <i>Science</i> , 2008, 321, 421-422.	6.0	477
21	Cognitive Impairments in Early Parkinson's Disease Are Accompanied by Reductions in Activity in Frontostriatal Neural Circuitry. <i>Journal of Neuroscience</i> , 2003, 23, 6351-6356.	1.7	476
22	Planning and Spatial Working Memory: a Positron Emission Tomography Study in Humans. <i>European Journal of Neuroscience</i> , 1996, 8, 353-364.	1.2	432
23	Cognitive Dysfunction in Parkinson's Disease: The Role of Frontostriatal Circuitry. <i>Neuroscientist</i> , 2004, 10, 525-537.	2.6	430
24	The Functional Organization of Working Memory Processes Within Human Lateral Frontal Cortex: The Contribution of Functional Neuroimaging. <i>European Journal of Neuroscience</i> , 1997, 9, 1329-1339.	1.2	397
25	Dopaminergic modulation of high-level cognition in Parkinson's disease: the role of the prefrontal cortex revealed by PET. <i>Brain</i> , 2002, 125, 584-594.	3.7	382
26	Mapping the network for planning: a correlational PET activation study with the Tower of London task. <i>Brain</i> , 1999, 122, 1973-1987.	3.7	368
27	Spatial and non-spatial working memory at different stages of Parkinson's disease. <i>Neuropsychologia</i> , 1997, 35, 519-532.	0.7	356
28	Comparison of set-shifting ability in patients with chronic schizophrenia and frontal lobe damage. <i>Schizophrenia Research</i> , 1999, 37, 251-270.	1.1	333
29	Encoding Strategies Dissociate Prefrontal Activity from Working Memory Demand. <i>Neuron</i> , 2003, 37, 361-367.	3.8	320
30	Dissociable Contributions of the Human Amygdala and Orbitofrontal Cortex to Incentive Motivation and Goal Selection. <i>Journal of Neuroscience</i> , 2003, 23, 9632-9638.	1.7	307
31	Fractionating Human Intelligence. <i>Neuron</i> , 2012, 76, 1225-1237.	3.8	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. <i>Brain</i> , 1996, 119, 1597-1615.	3.7	292
33	The role of the lateral frontal cortex in mnemonic processing: the contribution of functional neuroimaging. <i>Experimental Brain Research</i> , 2000, 133, 33-43.	0.7	289
34	Fractionating Attentional Control Using Event-Related fMRI. <i>Cerebral Cortex</i> , 2005, 16, 1679-1689.	1.6	289
35	Functional Anatomy of Visuomotor Skill Learning in Human Subjects Examined with Positron Emission Tomography. <i>European Journal of Neuroscience</i> , 1996, 8, 637-648.	1.2	281
36	Dopaminergic basis for deficits in working memory but not attentional set-shifting in Parkinson's disease. <i>Neuropsychologia</i> , 2005, 43, 823-832.	0.7	265

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37	Redefining the functional organization of working memory processes within human lateral prefrontal cortex. <i>European Journal of Neuroscience</i> , 1999, 11, 567-574.	1.2	252
38	Expectation and Attention in Hierarchical Auditory Prediction. <i>Journal of Neuroscience</i> , 2013, 33, 11194-11205.	1.7	245
39	Dopamine-dependent frontostriatal planning deficits in early Parkinson's disease.. <i>Neuropsychology</i> , 1995, 9, 126-140.	1.0	242
40	Cognitive planning in humans: Neuropsychological, neuroanatomical and neuropharmacological perspectives. <i>Progress in Neurobiology</i> , 1997, 53, 431-450.	2.8	240
41	Striatal contributions to working memory: a functional magnetic resonance imaging study in humans. <i>European Journal of Neuroscience</i> , 2004, 19, 755-760.	1.2	238
42	Dissociating speech perception and comprehension at reduced levels of awareness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16032-16037.	3.3	238
43	Into the groove: Can rhythm influence Parkinson's disease?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2564-2570.	2.9	233
44	Are There Levels of Consciousness?. <i>Trends in Cognitive Sciences</i> , 2016, 20, 405-413.	4.0	233
45	A role for the default mode network in the bases of disorders of consciousness. <i>Annals of Neurology</i> , 2012, 72, 335-343.	2.8	231
46	Do vegetative patients retain aspects of language comprehension? Evidence from fMRI. <i>Brain</i> , 2007, 130, 2494-2507.	3.7	230
47	The role of the basal ganglia in learning and memory: Neuropsychological studies. <i>Behavioural Brain Research</i> , 2009, 199, 53-60.	1.2	217
48	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. <i>NeuroImage</i> , 2011, 54, 103-112.	2.1	213
49	Functional neuroimaging of the vegetative state. <i>Nature Reviews Neuroscience</i> , 2008, 9, 235-243.	4.9	201
50	The vegetative state. <i>BMJ: British Medical Journal</i> , 2010, 341, c3765-c3765.	2.4	195
51	Optimized Brain Extraction for Pathological Brains (optiBET). <i>PLoS ONE</i> , 2014, 9, e115551.	1.1	191
52	Psychiatric, neurological and medical aspects of misidentification syndromes: a review of 260 cases. <i>Psychological Medicine</i> , 1991, 21, 905-910.	2.7	188
53	Baseline and longitudinal grey matter changes in newly diagnosed Parkinson's disease: ICICLE-PD study. <i>Brain</i> , 2015, 138, 2974-2986.	3.7	188
54	Spectral Signatures of Reorganised Brain Networks in Disorders of Consciousness. <i>PLoS Computational Biology</i> , 2014, 10, e1003887.	1.5	176

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55	Catechol O-Methyltransferase val158met Genotype Influences Frontoparietal Activity during Planning in Patients with Parkinson's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 4832-4838.	1.7	175
56	Using executive heterogeneity to explore the nature of working memory deficits in Parkinson's disease. <i>Neuropsychologia</i> , 2003, 41, 645-654.	0.7	173
57	Attentional control in Parkinson's disease is dependent on COMT val158met genotype. <i>Brain</i> , 2008, 131, 397-408.	3.7	165
58	Detecting awareness after severe brain injury. <i>Nature Reviews Neuroscience</i> , 2013, 14, 801-809.	4.9	163
59	Consciousness-specific dynamic interactions of brain integration and functional diversity. <i>Nature Communications</i> , 2019, 10, 4616.	5.8	163
60	Neural contributions to the motivational control of appetite in humans. <i>European Journal of Neuroscience</i> , 2004, 20, 1411-1418.	1.2	156
61	Planning and problem solving: From neuropsychology to functional neuroimaging. <i>Journal of Physiology (Paris)</i> , 2006, 99, 308-317.	2.1	151
62	A common neural code for similar conscious experiences in different individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14277-14282.	3.3	143
63	A Specific Role for the Right Parahippocampal Gyrus in the Retrieval of Object-Location: A Positron Emission Tomography Study. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 588-602.	1.1	139
64	Enhancing the Sensitivity of a Sustained Attention Task to Frontal Damage: Convergent Clinical and Functional Imaging Evidence. <i>Neurocase</i> , 2003, 9, 340-349.	0.2	139
65	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. <i>Annals of Neurology</i> , 2015, 78, 68-76.	2.8	137
66	Dehydration affects brain structure and function in healthy adolescents. <i>Human Brain Mapping</i> , 2011, 32, 71-79.	1.9	130
67	Genetic impact on cognition and brain function in newly diagnosed Parkinson's disease: ICICLE-PD study. <i>Brain</i> , 2014, 137, 2743-2758.	3.7	127
68	Prefrontal cortical involvement in verbal encoding strategies. <i>European Journal of Neuroscience</i> , 2004, 19, 3365-3370.	1.2	125
69	Using Functional Magnetic Resonance Imaging to Detect Covert Awareness in the Vegetative State. <i>Archives of Neurology</i> , 2007, 64, 1098.	4.9	114
70	Distinct Roles for Lateral and Medial Anterior Prefrontal Cortex in Contextual Recollection. <i>Journal of Neurophysiology</i> , 2005, 94, 813-820.	0.9	113
71	Anterior prefrontal cortex and the recollection of contextual information. <i>Neuropsychologia</i> , 2005, 43, 1774-1783.	0.7	112
72	Activity in Ventrolateral and Mid-Dorsolateral Prefrontal Cortex during Nonspatial Visual Working Memory Processing: Evidence from Functional Magnetic Resonance Imaging. <i>NeuroImage</i> , 2000, 11, 392-399.	2.1	110

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73	Residual auditory function in persistent vegetative state: a combined pet and fmri study. <i>Neuropsychological Rehabilitation</i> , 2005, 15, 290-306.	1.0	107
74	Making Every Word Count for Nonresponsive Patients. <i>JAMA Neurology</i> , 2013, 70, 1235-41.	4.5	107
75	Thalamo-frontal connectivity mediates top-down cognitive functions in disorders of consciousness. <i>Neurology</i> , 2015, 84, 167-173.	1.5	105
76	Impaired Preference Conditioning after Anterior Temporal Lobe Resection in Humans. <i>Journal of Neuroscience</i> , 2000, 20, 2649-2656.	1.7	104
77	Selective tuning of the right inferior frontal gyrus during target detection. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2009, 9, 103-112.	1.0	102
78	Brain-computer interfaces for communication with nonresponsive patients. <i>Annals of Neurology</i> , 2012, 72, 312-323.	2.8	100
79	<i>Detecting Awareness in the Vegetative State</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1129, 130-138.	1.8	97
80	Detecting Awareness in the Vegetative State: Electroencephalographic Evidence for Attempted Movements to Command. <i>PLoS ONE</i> , 2012, 7, e49933.	1.1	97
81	Cognitive Tasks for Driving a Brain-Computer Interfacing System: A Pilot Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2004, 12, 48-54.	2.7	96
82	Detecting Residual Cognitive Function in Persistent Vegetative State. <i>Neurocase</i> , 2002, 8, 394-403.	0.2	94
83	Why Clowns Taste Funny: The Relationship between Humor and Semantic Ambiguity. <i>Journal of Neuroscience</i> , 2011, 31, 9665-9671.	1.7	90
84	A Thalamocortical Mechanism for the Absence of Overt Motor Behavior in Covertly Aware Patients. <i>JAMA Neurology</i> , 2015, 72, 1442.	4.5	90
85	The functional organization of the lateral frontal cortex: conjecture or conjuncture in the electrophysiology literature?. <i>Trends in Cognitive Sciences</i> , 1998, 2, 46-53.	4.0	88
86	Detecting Consciousness: A Unique Role for Neuroimaging. <i>Annual Review of Psychology</i> , 2013, 64, 109-133.	9.9	88
87	A Common Prefrontal-Parietal Network for Mnemonic and Mathematical Recoding Strategies within Working Memory. <i>Cerebral Cortex</i> , 2007, 17, 778-786.	1.6	85
88	Bilingualism Affords No General Cognitive Advantages: A Population Study of Executive Function in 11,000 People. <i>Psychological Science</i> , 2020, 31, 548-567.	1.8	81
89	Lateral Prefrontal Cortex Subregions Make Dissociable Contributions during Fluid Reasoning. <i>Cerebral Cortex</i> , 2011, 21, 1-10.	1.6	80
90	Dissociable endogenous and exogenous attention in disorders of consciousness. <i>NeuroImage: Clinical</i> , 2013, 3, 450-461.	1.4	77

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91	Reforming the taxonomy in disorders of consciousness. <i>Annals of Neurology</i> , 2017, 82, 866-872.	2.8	75
92	Brain-computer interfacing in disorders of consciousness. <i>Brain Injury</i> , 2012, 26, 1510-1522.	0.6	74
93	Hypoconnectivity and Hyperfrontality in Retired American Football Players. <i>Scientific Reports</i> , 2013, 3, 2972.	1.6	74
94	Frontoparietal Activity with Minimal Decision and Control. <i>Journal of Neuroscience</i> , 2006, 26, 9805-9809.	1.7	72
95	Dissociable effects of self-reported daily sleep duration on high-level cognitive abilities. <i>Sleep</i> , 2018, 41, .	0.6	72
96	The Strategic Control of Gaze Direction in the Tower of London Task. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 894-907.	1.1	71
97	Functional Neuroanatomy of Successful Paired Associate Learning in Alzheimer's Disease. <i>American Journal of Psychiatry</i> , 2005, 162, 2049-2060.	4.0	71
98	Selective Tuning of the Blood Oxygenation Level-Dependent Response during Simple Target Detection Dissociates Human Frontoparietal Subregions. <i>Journal of Neuroscience</i> , 2007, 27, 6219-6223.	1.7	71
99	The Brain's Silent Messenger: Using Selective Attention to Decode Human Thought for Brain-Based Communication. <i>Journal of Neuroscience</i> , 2013, 33, 9385-9393.	1.7	71
100	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. <i>Human Brain Mapping</i> , 2017, 38, 431-443.	1.9	71
101	How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?. <i>Current Opinion in Neurology</i> , 2006, 19, 520-527.	1.8	70
102	Dissociable roles for lateral orbitofrontal cortex and lateral prefrontal cortex during preference driven reversal learning. <i>NeuroImage</i> , 2012, 59, 4102-4112.	2.1	70
103	Frontal lobe involvement in spatial span: Converging studies of normal and impaired function. <i>Neuropsychologia</i> , 2006, 44, 229-237.	0.7	69
104	Neuroimaging and the Vegetative State. <i>Annals of the New York Academy of Sciences</i> , 2009, 1157, 81-89.	1.8	66
105	Relationship between the anterior forebrain mesocircuit and the default mode network in the structural bases of disorders of consciousness. <i>NeuroImage: Clinical</i> , 2016, 10, 27-35.	1.4	66
106	Visual cognition in disorders of consciousness: From V1 to top-down attention. <i>Human Brain Mapping</i> , 2013, 34, 1245-1253.	1.9	65
107	Risk, diagnostic error, and the clinical science of consciousness. <i>NeuroImage: Clinical</i> , 2015, 7, 588-597.	1.4	65
108	Actigraphy assessments of circadian sleep-wake cycles in the Vegetative and Minimally Conscious States. <i>BMC Medicine</i> , 2013, 11, 18.	2.3	63

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109	Multiple tasks and neuroimaging modalities increase the likelihood of detecting covert awareness in patients with disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 950.	1.0	62
110	Detecting and interpreting conscious experiences in behaviorally non-responsive patients. <i>NeuroImage</i> , 2017, 145, 304-313.	2.1	61
111	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021, 35, 68-85.	1.2	60
112	Anesthesia and neuroimaging: investigating the neural correlates of unconsciousness. <i>Trends in Cognitive Sciences</i> , 2015, 19, 100-107.	4.0	58
113	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	6.2	58
114	Executive functions in the absence of behavior: functional imaging of the minimally conscious state. <i>Progress in Brain Research</i> , 2009, 177, 249-260.	0.9	56
115	A new era of coma and consciousness science. <i>Progress in Brain Research</i> , 2009, 177, 399-411.	0.9	56
116	A hierarchy of event-related potential markers of auditory processing in disorders of consciousness. <i>NeuroImage: Clinical</i> , 2016, 12, 359-371.	1.4	54
117	The role of learned irrelevance in attentional set-shifting impairments in Parkinson's disease.. <i>Neuropsychology</i> , 2006, 20, 578-588.	1.0	53
118	Somatosensory attention identifies both overt and covert awareness in disorders of consciousness. <i>Annals of Neurology</i> , 2016, 80, 412-423.	2.8	51
119	The reliability of the N400 in single subjects: Implications for patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2014, 4, 788-799.	1.4	50
120	Assessing Decision-Making Capacity in the Behaviorally Nonresponsive Patient With Residual Covert Awareness. <i>AJOB Neuroscience</i> , 2013, 4, 3-14.	0.6	49
121	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. <i>Brain Connectivity</i> , 2016, 6, 225-237.	0.8	49
122	Consciousness revealed: new insights into the vegetative and minimally conscious states. <i>Current Opinion in Neurology</i> , 2010, 23, 656-660.	1.8	48
123	The Clinical Utility of fMRI for Identifying Covert Awareness in the Vegetative State: A Comparison of Sensitivity between 3T and 1.5T. <i>PLoS ONE</i> , 2014, 9, e95082.	1.1	48
124	Longitudinal whole-brain atrophy and ventricular enlargement in nondemented Parkinson's disease. <i>Neurobiology of Aging</i> , 2017, 55, 78-90.	1.5	48
125	Asymmetric frontal activation during episodic memory: the effects of stimulus type on encoding and retrieval. <i>Neuropsychologia</i> , 2000, 38, 677-692.	0.7	46
126	<i>Disorders of Consciousness</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1124, 225-238.	1.8	46

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127	Striatum in stimulus-response learning via feedback and in decision making. <i>NeuroImage</i> , 2014, 101, 448-457.	2.1	46
128	Preference judgements involve a network of structures within frontal, cingulate and insula cortices. <i>European Journal of Neuroscience</i> , 2009, 29, 1047-1055.	1.2	45
129	How to become an expert: A new perspective on the role of sleep in the mastery of procedural skills. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 236-248.	1.0	45
130	Functional diversity of brain networks supports consciousness and verbal intelligence. <i>Scientific Reports</i> , 2018, 8, 13259.	1.6	45
131	Dissociating aspects of verbal working memory within the human frontal lobe: Further evidence for a process-specific model of lateral frontal organization. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2000, 28, 146-155.	1.2	43
132	Thirty-Five Years of Computerized Cognitive Assessment of Aging-Where Are We Now?. <i>Diagnostics</i> , 2019, 9, 114.	1.3	42
133	Single-session communication with a locked-in patient by functional near-infrared spectroscopy. <i>Neurophotonics</i> , 2017, 4, 1.	1.7	42
134	Episodic Memory Meets Working Memory in the Frontal Lobe: Functional Neuroimaging Studies of Encoding and Retrieval. <i>Critical Reviews in Neurobiology</i> , 2000, 14, 33.	3.3	42
135	How Does Reward Expectation Influence Cognition in the Human Brain?. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1980-1992.	1.1	41
136	Sleep Spindles and Intellectual Ability: Epiphenomenon or Directly Related?. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 167-182.	1.1	41
137	Perceptual and Semantic Components of Memory for Objects and Faces: A PET Study. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 430-443.	1.1	40
138	HERA today, gone tomorrow?. <i>Trends in Cognitive Sciences</i> , 2003, 7, 383-384.	4.0	40
139	Inefficiency in Self-organized Attentional Switching in the Normal Aging Population is Associated with Decreased Activity in the Ventrolateral Prefrontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1670-1686.	1.1	39
140	Network mechanisms of intentional learning. <i>NeuroImage</i> , 2016, 127, 123-134.	2.1	39
141	Neural Correlates of Appetite and Hunger-Related Evaluative Judgments. <i>PLoS ONE</i> , 2009, 4, e6581.	1.1	38
142	The importance of sustained attention in early Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2017, 32, 860-867.	1.3	37
143	Reanalysis of Bedside detection of awareness in the vegetative state: a cohort study. Authors' reply. <i>Lancet</i> , The, 2013, 381, 291-292.	6.3	36
144	Differential Effects of Parkinson's Disease and Dopamine Replacement on Memory Encoding and Retrieval. <i>PLoS ONE</i> , 2013, 8, e74044.	1.1	36

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145	Improving reverse neuroimaging inference: cognitive domain versus cognitive complexity. <i>Trends in Cognitive Sciences</i> , 2006, 10, 352-353.	4.0	35
146	Functional MRI in disorders of consciousness: advantages and limitations. <i>Current Opinion in Neurology</i> , 2007, 20, 632-637.	1.8	35
147	Association between MAPT haplotype and memory function in patients with Parkinson's disease and healthy aging individuals. <i>Neurobiology of Aging</i> , 2015, 36, 1519-1528.	1.5	35
148	Can time-resolved NIRS provide the sensitivity to detect brain activity during motor imagery consistently?. <i>Biomedical Optics Express</i> , 2017, 8, 2162.	1.5	35
149	Longitudinal diffusion tensor imaging changes in early Parkinson's disease: ICICLE-PD study. <i>Journal of Neurology</i> , 2018, 265, 1528-1539.	1.8	35
150	Lies, damned lies and diagnoses: Estimating the clinical utility of assessments of covert awareness in the vegetative state. <i>Brain Injury</i> , 2014, 28, 1197-1201.	0.6	34
151	The Search for Consciousness. <i>Neuron</i> , 2019, 102, 526-528.	3.8	32
152	Brain Activation Time-Locked to Sleep Spindles Associated With Human Cognitive Abilities. <i>Frontiers in Neuroscience</i> , 2019, 13, 46.	1.4	31
153	Assessing Time-Resolved fNIRS for Brain-Computer Interface Applications of Mental Communication. <i>Frontiers in Neuroscience</i> , 2020, 14, 105.	1.4	31
154	The Target Selective Neural Response " Similarity, Ambiguity, and Learning Effects. <i>PLoS ONE</i> , 2008, 3, e2520.	1.1	31
155	Dissociable contributions of the mid-ventrolateral frontal cortex and the medial temporal lobe system to human memory. <i>NeuroImage</i> , 2006, 31, 1790-1801.	2.1	30
156	Parkinson's disease and healthy aging: Independent and interacting effects on action selection. <i>Human Brain Mapping</i> , 2010, 31, 1886-1899.	1.9	30
157	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1028.	1.0	30
158	Working Memory: Imaging the Magic Number Four. <i>Current Biology</i> , 2004, 14, R573-R574.	1.8	28
159	Ethical considerations in functional magnetic resonance imaging research in acutely comatose patients. <i>Brain</i> , 2016, 139, 292-299.	3.7	28
160	Improving Diagnosis and Prognosis in Acute Severe Brain Injury: A Multimodal Imaging Protocol. <i>Frontiers in Neurology</i> , 2021, 12, 757219.	1.1	28
161	Points in Mental Space: an Interdisciplinary Study of Imagery in Movement Creation. <i>Dance Research</i> , 2011, 29, 404-432.	0.1	26
162	An Ethics of Welfare for Patients Diagnosed as Vegetative With Covert Awareness. <i>AJOB Neuroscience</i> , 2015, 6, 31-41.	0.6	26

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163	Assessing residual reasoning ability in overtly non-communicative patients using fMRI. <i>NeuroImage: Clinical</i> , 2013, 2, 174-183.	1.4	25
164	Assessing Capacity in the Elderly: Comparing the MoCA with a Novel Computerized Battery of Executive Function. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2017, 7, 249-256.	0.6	25
165	Diagnostic accuracy of brain imaging in the vegetative state. <i>Nature Reviews Neurology</i> , 2014, 10, 370-371.	4.9	24
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