Adrian M Owen

List of Publications by Year in Descending Order

256 papers	31,026 citations	79 h-index	175 g-index
270 ext. papers	34,737 ext. citations	6.8 avg, IF	7.31 L-index

#	Paper	IF	Citations
256	Unlocking the Voices of Patients with Severe Brain Injury. *Neuroethics*, **2022**, 15, 1	1.2	1
255	While you were sleeping: Evidence for high-level executive processing of an auditory narrative during sleep.. *Consciousness and Cognition*, **2022**, 100, 103306	2.6	0
254	Whole-brain modelling identifies distinct but convergent paths to unconsciousness in anaesthesia and disorders of consciousness.. *Communications Biology*, **2022**, 5, 384	6.7	2
253	Understanding Alzheimer's disease as a disorder of consciousness. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2021**, 7, e12203	6	0
252	Exploring electroencephalography with a model inspired by quantum mechanics. *Scientific Reports*, **2021**, 11, 19771	4.9	
251	Experiences of family of individuals in a locked in, minimally conscious state, or vegetative state with the health care system. *Brain Injury*, **2021**, 35, 8-14	2.1	3
250	Prolonged disorders of consciousness: a critical evaluation of the new UK guidelines. *Brain*, **2021**, 144, 1655-1660	11.2	4
249	The Benefits of High-Intensity Interval Training on Cognition and Blood Pressure in Older Adults With Hypertension and Subjective Cognitive Decline: Results From the Heart & Mind Study. *Frontiers in Aging Neuroscience*, **2021**, 13, 643809	5.3	2
248	Cognition across the Lifespan: Investigating Age, Sex, and Other Sociodemographic Influences. *Behavioral Sciences (Basel, Switzerland)*, **2021**, 11,	2.3	1
247	Disruptions in Effective Connectivity within and between Default Mode Network and Anterior Forebrain Mesocircuit in Prolonged Disorders of Consciousness. *Brain Sciences*, **2021**, 11,	3.4	2
246	Caregiver reactions to neuroimaging evidence of covert consciousness in patients with severe brain injury: a qualitative interview study. *BMC Medical Ethics*, **2021**, 22, 105	2.9	1
245	The Potential Role of fNIRS in Evaluating Levels of Consciousness. *Frontiers in Human Neuroscience*, **2021**, 15, 703405	3.3	4
244	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. *Neurocritical Care*, **2021**, 35, 68-85	3.3	11
243	The relationship between cognitive ability and BOLD activation across sleep-wake states. *Brain Imaging and Behavior*, **2021**, 1	4.1	0
242	Improving Diagnosis and Prognosis in Acute Severe Brain Injury: A Multimodal Imaging Protocol.. *Frontiers in Neurology*, **2021**, 12, 757219	4.1	1
241	Individualized assessment of residual cognition in patients with disorders of consciousness. *NeuroImage: Clinical*, **2020**, 28, 102472	5.3	6
240	Protocol for the Prognostication of Consciousness Recovery Following a Brain Injury. *Frontiers in Human Neuroscience*, **2020**, 14, 582125	3.3	0

239	Consciousness and the Dimensionality of DOC Patients via the Generalized Ising Model. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
238	Concussion-related deficits in the general population predict impairments in varsity footballers. *Journal of Neurology*, **2020**, 267, 1970-1979	5.5	1
237	Memory Function and Brain Functional Connectivity Adaptations Following Multiple-Modality Exercise and Mind-Motor Training in Older Adults at Risk of Dementia: An Exploratory Sub-Study. *Frontiers in Aging Neuroscience*, **2020**, 12, 22	5.3	9
236	Assessing Time-Resolved fNIRS for Brain-Computer Interface Applications of Mental Communication. *Frontiers in Neuroscience*, **2020**, 14, 105	5.1	16
235	Using fMRI to investigate the potential cause of inverse oxygenation reported in fNIRS studies of motor imagery. *Neuroscience Letters*, **2020**, 714, 134607	3.3	10
234	Sleep Spindle-dependent Functional Connectivity Correlates with Cognitive Abilities. *Journal of Cognitive Neuroscience*, **2020**, 32, 446-466	3.1	6
233	Towards the assessment of quality of life in patients with disorders of consciousness. *Quality of Life Research*, **2020**, 29, 1217-1227	3.7	9
232	24-h polysomnographic recordings and electrophysiological spectral analyses from a cohort of patients with chronic disorders of consciousness. *Journal of Neurology*, **2020**, 267, 3650-3663	5.5	7
231	Cortical Function in Acute Severe Traumatic Brain Injury and at Recovery: A Longitudinal fMRI Case Study. *Brain Sciences*, **2020**, 10,	3.4	2
230	Improving diagnosis and prognosis in disorders of consciousness. *Brain*, **2020**, 143, 1050-1053	11.2	4
229	Bilingualism Affords No General Cognitive Advantages: A Population Study of Executive Function in 11,000 People. *Psychological Science*, **2020**, 31, 548-567	7.9	40
228	Thirty-Five Years of Computerized Cognitive Assessment of Aging-Where Are We Now?. *Diagnostics* , **2019**, 9,	3.8	19
227	The Search for Consciousness. *Neuron*, **2019**, 102, 526-528	13.9	14
226	Brain Activation Time-Locked to Sleep Spindles Associated With Human Cognitive Abilities. *Frontiers in Neuroscience*, **2019**, 13, 46	5.1	13
225	The neural basis of external responsiveness in prolonged disorders of consciousness. *NeuroImage: Clinical*, **2019**, 22, 101791	5.3	12
224	Feasibility of a web-based neurocognitive battery for assessing cognitive function in critical illness survivors. *PLoS ONE*, **2019**, 14, e0215203	3.7	11
223	Consciousness-specific dynamic interactions of brain integration and functional diversity. *Nature Communications*, **2019**, 10, 4616	17.4	72
222	Opportunities and challenges for a maturing science of consciousness. *Nature Human Behaviour*, **2019**, 3, 104-107	12.8	28

221	Confronting the grey zone after severe brain injury. *Emerging Topics in Life Sciences*, **2019**, 3, 707-711	3.5	3
220	Informed consent for functional MRI research on comatose patients following severe brain injury: balancing the social benefits of research against patient autonomy. *Journal of Medical Ethics*, **2019**, 45, 299-303	2.5	3
219	Eye Movements in the "Morris Maze" Spatial Working Memory Task Reveal Deficits in Strategic Planning. *Journal of Cognitive Neuroscience*, **2019**, 31, 497-509	3.1	3
218	Does sleep facilitate the consolidation of allocentric or egocentric representations of implicitly learned visual-motor sequence learning?. *Learning and Memory*, **2018**, 25, 67-77	2.8	6
217	Response to 'Minimally conscious state or cortically mediated state?'. *Brain*, **2018**, 141, e26	11.2	2
216	Longitudinal diffusion tensor imaging changes in early Parkinson's disease: ICICLE-PD study. *Journal of Neurology*, **2018**, 265, 1528-1539	5.5	24
215	Identifying Covert Cognition in Disorders of Consciousness **2018**, 77-96		
214	Minimizing the Harm of Accidental Awareness Under General Anesthesia: New Perspectives From Patients Misdiagnosed as Being in a Vegetative State. *Anesthesia and Analgesia*, **2018**, 126, 1073-1076	3.9	5
213	Targeted training: Converging evidence against the transferable benefits of online brain training on cognitive function. *Neuropsychologia*, **2018**, 117, 541-550	3.2	15
212	Do Patients Thought to Lack Consciousness Retain the Capacity for Internal as Well as External Awareness?. *Frontiers in Neurology*, **2018**, 9, 492	4.1	9
211	Using neuroimaging to uncover awareness in brain-injured and anesthetized patients. *Frontiers in Bioscience - Scholar*, **2018**, 10, 337-349	2.4	2
210	A Novel Approach to Dream Content Analysis Reveals Links Between Learning-Related Dream Incorporation and Cognitive Abilities. *Frontiers in Psychology*, **2018**, 9, 1398	3.4	10
209	Functional diversity of brain networks supports consciousness and verbal intelligence. *Scientific Reports*, **2018**, 8, 13259	4.9	25
208	Dissociable effects of self-reported daily sleep duration on high-level cognitive abilities. *Sleep*, **2018** , 41,	1.1	36
207	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	3.7	11
206	Detecting and interpreting conscious experiences in behaviorally non-responsive patients. *NeuroImage*, **2017**, 145, 304-313	7.9	35
205	Covert narrative capacity: Mental life in patients thought to lack consciousness. *Annals of Clinical and Translational Neurology*, **2017**, 4, 61-70	5.3	18
204	Normal aging and Parkinson's disease are associated with the functional decline of distinct frontal-striatal circuits. *Cortex*, **2017**, 93, 178-192	3.8	17

203	Longitudinal whole-brain atrophy and ventricular enlargement in nondemented Parkinson's disease. *Neurobiology of Aging*, **2017**, 55, 78-90	5.6	30
202	Sleep-dependent motor sequence memory consolidation in individuals with periodic limb movements. *Sleep Medicine*, **2017**, 40, 23-32	4.6	5
201	Reforming the taxonomy in disorders of consciousness. *Annals of Neurology*, **2017**, 82, 866-872	9.4	48
200	Dorsal striatum mediates deliberate decision making, not late-stage, stimulus-response learning. *Human Brain Mapping*, **2017**, 38, 6133-6156	5.9	6
199	Mapping preserved real-world cognition in severely brain-injured patients. *Frontiers in Bioscience - Landmark*, **2017**, 22, 815-823	2.8	8
198	Functional neuroimaging after severe anoxic brain injury in children may reveal preserved, yet covert, cognitive function. *Human Brain Mapping*, **2017**, 38, 4832-4833	5.9	1
197	Spatial structure normalises working memory performance in Parkinson's disease. *Cortex*, **2017**, 96, 73-83	3.8	5
196	The importance of sustained attention in early Alzheimer's disease. *International Journal of Geriatric Psychiatry*, **2017**, 32, 860-867	3.9	28
195	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. *Human Brain Mapping*, **2017**, 38, 431-443	5.9	47
194	Sleep Spindles and Intellectual Ability: Epiphenomenon or Directly Related?. *Journal of Cognitive Neuroscience*, **2017**, 29, 167-182	3.1	23
193	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	2.5	13
192	Can time-resolved NIRS provide the sensitivity to detect brain activity during motor imagery consistently?. *Biomedical Optics Express*, **2017**, 8, 2162-2172	3.5	24
191	Single-session communication with a locked-in patient by functional near-infrared spectroscopy. *Neurophotonics*, **2017**, 4, 040501	3.9	32
190	Assessing the feasibility of time-resolved fNIRS to detect brain activity during motor imagery **2016**,		6
189	Using facial electromyography to detect preserved emotional processing in disorders of consciousness: A proof-of-principle study. *Clinical Neurophysiology*, **2016**, 127, 3000-3006	4.3	8
188	Somatosensory attention identifies both overt and covert awareness in disorders of consciousness. *Annals of Neurology*, **2016**, 80, 412-23	9.4	40
187	Operationalizing Neuroimaging for Disorders of Consciousness: The Canadian Context. *Canadian Journal of Neurological Sciences*, **2016**, 43, 578-80	1	2
186	Learning to be inflexible: Enhanced attentional biases in Parkinson's disease. *Cortex*, **2016**, 82, 24-34	3.8	14

185	Ethical considerations in functional magnetic resonance imaging research in acutely comatose patients. *Brain*, **2016**, 139, 292-9	11.2	22
184	Decoding Thoughts in Disorders of Consciousness **2016**, 67-80		
183	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	5.3	47
182	The Assessment of Conscious Awareness in the Vegetative State **2016**, 155-166		2
181	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. *Brain Connectivity*, **2016**, 6, 225-37	2.7	34
180	Response to Fazekas and Overgaard: Degrees and Levels. *Trends in Cognitive Sciences*, **2016**, 20, 716-717	14	5
179	Ethical and Clinical Considerations at the Intersection of Functional Neuroimaging and Disorders of Consciousness. *Cambridge Quarterly of Healthcare Ethics*, **2016**, 25, 613-22	0.9	7
178	The role of executive processes in working memory deficits in Parkinson Disease. *Polish Psychological Bulletin*, **2016**, 47, 123-130		6
177	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, 620-30	3.1	11
176	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	4.1	15
175	Network mechanisms of intentional learning. *NeuroImage*, **2016**, 127, 123-134	7.9	31
174	Are There Levels of Consciousness?. *Trends in Cognitive Sciences*, **2016**, 20, 405-413	14	144
173	A hierarchy of event-related potential markers of auditory processing in disorders of consciousness. *NeuroImage: Clinical*, **2016**, 12, 359-71	5.3	40
172	Anesthesia and neuroimaging: investigating the neural correlates of unconsciousness. *Trends in Cognitive Sciences*, **2015**, 19, 100-7	14	40
171	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, 277-93	3	13
170	An Ethics of Welfare for Patients Diagnosed as Vegetative With Covert Awareness. *AJOB Neuroscience*, **2015**, 6, 31-41	0.8	20
169	Baseline and longitudinal grey matter changes in newly diagnosed Parkinson's disease: ICICLE-PD study. *Brain*, **2015**, 138, 2974-86	11.2	146
168	Association between MAPT haplotype and memory function in patients with Parkinson's disease and healthy aging individuals. *Neurobiology of Aging*, **2015**, 36, 1519-28	5.6	30

167	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. *Annals of Neurology*, **2015**, 78, 68-76	9.4	98
166	A Thalamocortical Mechanism for the Absence of Overt Motor Behavior in Covertly Aware Patients. *JAMA Neurology*, **2015**, 72, 1442-50	17.2	54
165	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, 236-48	3.1	32
164	A P300-based cognitive assessment battery. *Brain and Behavior*, **2015**, 5, e00336	3.4	13
163	Risk, diagnostic error, and the clinical science of consciousness. *NeuroImage: Clinical*, **2015**, 7, 588-97	5.3	52
162	Thalamo-frontal connectivity mediates top-down cognitive functions in disorders of consciousness. *Neurology*, **2015**, 84, 167-73	6.5	76
161	Original article Temperamental variation in learned irrelevance in humans. *Current Issues in Personality Psychology*, **2015**, 2, 94-104	0.7	1
160	The dissociation between command following and communication in disorders of consciousness: an fMRI study in healthy subjects. *Frontiers in Human Neuroscience*, **2015**, 9, 493	3.3	9
159	Acknowledging awareness: informing families of individual research results for patients in the vegetative state. *Journal of Medical Ethics*, **2015**, 41, 534-8	2.5	17
158	Canadian perspectives on the clinical actionability of neuroimaging in disorders of consciousness. *Canadian Journal of Neurological Sciences*, **2015**, 42, 96-105	1	6
157	Evaluating the Potential for Recovery of Consciousness in the Intensive Care Unit. *CONTINUUM Lifelong Learning in Neurology*, **2015**, 21, 1397-410	3	
156	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, 14277-82	11.5	104
155	Brief response to Ashton and colleagues regarding Fractionating Human Intelligence. *Personality and Individual Differences*, **2014**, 60, 16-17	3.3	3
154	Ethics of neuroimaging after serious brain injury. *BMC Medical Ethics*, **2014**, 15, 41	2.9	13
153	Response to: Higher-order g versus blended variable models of mental ability: Comment on Hampshire, Highfield, Parkin, and Owen (2012) *Personality and Individual Differences*, **2014**, 60, 8-12	3.3	3
152	Lies, damned lies and diagnoses: estimating the clinical utility of assessments of covert awareness in the vegetative state. *Brain Injury*, **2014**, 28, 1197-201	2.1	29
151	The reliability of the N400 in single subjects: implications for patients with disorders of consciousness. *NeuroImage: Clinical*, **2014**, 4, 788-99	5.3	41
150	RE: Comment about Fractionating Human Intelligence Non-existent flaws in the original article and their relation to limitations of the P-FIT model. *Intelligence*, **2014**, 46, 333-340	3	3

149	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	3.7	38
148	Optimized brain extraction for pathological brains (optiBET). *PLoS ONE*, **2014**, 9, e115551	3.7	116
147	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	3.3	43
146	Striatum in stimulus-response learning via feedback and in decision making. *NeuroImage*, **2014**, 101, 448-57	5.9	41
145	Spectral signatures of reorganised brain networks in disorders of consciousness. *PLoS Computational Biology*, **2014**, 10, e1003887	5	114
144	Genetic impact on cognition and brain function in newly diagnosed Parkinson's disease: ICICLE-PD study. *Brain*, **2014**, 137, 2743-58	11.2	109
143	Toward a science of brain death. *American Journal of Bioethics*, **2014**, 14, 29-31	1.1	8
142	Examining dorsal striatum in cognitive effort using Parkinson's disease and fMRI. *Annals of Clinical and Translational Neurology*, **2014**, 1, 390-400	5.3	19
141	Complexity and familiarity enhance single-trial detectability of imagined movements with electroencephalography. *Clinical Neurophysiology*, **2014**, 125, 1556-67	4.3	17
140	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. *Frontiers in Human Neuroscience*, **2014**, 8, 1028	3.3	19
139	Visual cognition in disorders of consciousness: from V1 to top-down attention. *Human Brain Mapping*, **2013**, 34, 1245-53	5.9	53
138	Expectation and attention in hierarchical auditory prediction. *Journal of Neuroscience*, **2013**, 33, 11194-205	6.6	181
137	Actigraphy assessments of circadian sleep-wake cycles in the Vegetative and Minimally Conscious States. *BMC Medicine*, **2013**, 11, 18	11.4	47
136	Reanalysis of "Bedside detection of awareness in the vegetative state: a cohort study" - Authors' reply. *Lancet, The*, **2013**, 381, 291-2	40	29
135	Detecting awareness after severe brain injury. *Nature Reviews Neuroscience*, **2013**, 14, 801-9	13.5	129
134	Dissociable endogenous and exogenous attention in disorders of consciousness. *NeuroImage: Clinical*, **2013**, 3, 450-61	5.3	60
133	Into the groove: can rhythm influence Parkinson's disease?. *Neuroscience and Biobehavioral Reviews*, **2013**, 37, 2564-70	9	178
132	Detecting consciousness: a unique role for neuroimaging. *Annual Review of Psychology*, **2013**, 64, 109-33	26.1	69

131	Assessing Decision-Making Capacity in the Behaviorally Nonresponsive Patient With Residual Covert Awareness. *AJOB Neuroscience*, **2013**, 4, 3-14	0.8	39
130	Making every word count for nonresponsive patients. *JAMA Neurology*, **2013**, 70, 1235-41	17.2	83
129	The brain's silent messenger: using selective attention to decode human thought for brain-based communication. *Journal of Neuroscience*, **2013**, 33, 9385-93	6.6	58
128	A Principled Argument, But Not a Practical One. *AJOB Neuroscience*, **2013**, 4, 52-53	0.8	7
127	Hypoconnectivity and hyperfrontality in retired American football players. *Scientific Reports*, **2013**, 3, 2972	4.9	64
126	Differential effects of Parkinson's disease and dopamine replacement on memory encoding and retrieval. *PLoS ONE*, **2013**, 8, e74044	3.7	33
125	Assessing residual reasoning ability in overtly non-communicative patients using fMRI. *NeuroImage: Clinical*, **2012**, 2, 174-83	5.3	18
124	Bedside detection of awareness in the vegetative state Authors' reply. *Lancet, The*, **2012**, 379, 1702	40	4
123	Brain-computer interfacing in disorders of consciousness. *Brain Injury*, **2012**, 26, 1510-22	2.1	62
122	A role for the default mode network in the bases of disorders of consciousness. *Annals of Neurology*, **2012**, 72, 335-43	9.4	171
121	Brain-computer interfaces for communication with nonresponsive patients. *Annals of Neurology*, **2012**, 72, 312-23	9.4	80
120	Fractionating human intelligence. *Neuron*, **2012**, 76, 1225-37	13.9	214
119	Dissociable roles for lateral orbitofrontal cortex and lateral prefrontal cortex during preference driven reversal learning. *NeuroImage*, **2012**, 59, 4102-12	7.9	59
118	Detecting awareness in the vegetative state: electroencephalographic evidence for attempted movements to command. *PLoS ONE*, **2012**, 7, e49933	3.7	72
117	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. *NeuroImage*, **2011**, 54, 103-12	7.9	168
116	Why clowns taste funny: the relationship between humor and semantic ambiguity. *Journal of Neuroscience*, **2011**, 31, 9665-71	6.6	67
115	Bedside detection of awareness in the vegetative state: a cohort study. *Lancet, The*, **2011**, 378, 2088-94	40	440
114	Neuroimaging in disorders of consciousness: contributions to diagnosis and prognosis. *Future Neurology*, **2011**, 6, 291-299	1.5	6

113	Dehydration affects brain structure and function in healthy adolescents. *Human Brain Mapping*, **2011**, 32, 71-9	5.9	104
112	Lateral prefrontal cortex subregions make dissociable contributions during fluid reasoning. *Cerebral Cortex*, **2011**, 21, 1-10	5.1	69
111	Points in Mental Space: an Interdisciplinary Study of Imagery in Movement Creation. *Dance Research*, **2011**, 29, 404-432	0.1	20
110	When Thoughts Become Actions: Imaging Disorders of Consciousness. *Research and Perspectives in Neurosciences*, **2011**, 99-108		
109	Putting brain training to the test. *Nature*, **2010**, 465, 775-8	50.4	709
108	The vegetative state. *BMJ, The*, **2010**, 341, c3765	5.9	150
107	Neural correlates of affective influence on choice. *Brain and Cognition*, **2010**, 72, 282-8	2.7	17
106	The role of the right inferior frontal gyrus: inhibition and attentional control. *NeuroImage*, **2010**, 50, 1313-9	7.9	863
105	Willful modulation of brain activity in disorders of consciousness. *New England Journal of Medicine*, **2010**, 362, 579-89	59.2	937
104	Consciousness revealed: new insights into the vegetative and minimally conscious states. *Current Opinion in Neurology*, **2010**, 23, 656-60	7.1	34
103	Parkinson's disease and healthy aging: independent and interacting effects on action selection. *Human Brain Mapping*, **2010**, 31, 1886-99	5.9	24
102	Behavior in the Brain. *Journal of Psychophysiology*, **2010**, 24, 76-82	1	13
101	Learned Irrelevance Revisited: Pathology-Based Individual Differences, Normal Variation and Neural Correlates. *Plenum Series on Human Exceptionality*, **2010**, 127-144		3
100	Preference judgements involve a network of structures within frontal, cingulate and insula cortices. *European Journal of Neuroscience*, **2009**, 29, 1047-55	3.5	39
99	Neuroimaging and the vegetative state: resolving the behavioral assessment dilemma?. *Annals of the New York Academy of Sciences*, **2009**, 1157, 81-9	6.5	56
98	Selective tuning of the right inferior frontal gyrus during target detection. *Cognitive, Affective and Behavioral Neuroscience*, **2009**, 9, 103-12	3.5	87
97	The role of the basal ganglia in learning and memory: neuropsychological studies. *Behavioural Brain Research*, **2009**, 199, 53-60	3.4	184
96	Executive functions in the absence of behavior: functional imaging of the minimally conscious state. *Progress in Brain Research*, **2009**, 177, 249-60	2.9	50

95	A new era of coma and consciousness science. *Progress in Brain Research*, **2009**, 177, 399-411	2.9	44
94	The Assessment of Conscious Awareness in the Vegetative State **2009**, 163-172		5
93	Neural correlates of appetite and hunger-related evaluative judgments. *PLoS ONE*, **2009**, 4, e6581	3.7	35
92	Functional neuroimaging of the vegetative state. *Nature Reviews Neuroscience*, **2008**, 9, 235-43	13.5	162
91	The cognitive functions of the caudate nucleus. *Progress in Neurobiology*, **2008**, 86, 141-55	10.9	542
90	Orbitofrontal dysfunction in patients with obsessive-compulsive disorder and their unaffected relatives. *Science*, **2008**, 321, 421-2	33.3	420
89	How does reward expectation influence cognition in the human brain?. *Journal of Cognitive Neuroscience*, **2008**, 20, 1980-92	3.1	34
88	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, 1670-86	3.1	32
87	Attentional control in Parkinson's disease is dependent on COMT val 158 met genotype. *Brain*, **2008**, 131, 397-408	11.2	145
86	Functional neuroimaging of disorders of consciousness. *International Anesthesiology Clinics*, **2008**, 46, 147-57	0.6	4
85	The engagement of mid-ventrolateral prefrontal cortex and posterior brain regions in intentional cognitive activity. *Human Brain Mapping*, **2008**, 29, 107-19	5.9	16
84	Detecting awareness in the vegetative state. *Annals of the New York Academy of Sciences*, **2008**, 1129, 130-8	6.5	72
83	Disorders of consciousness. *Annals of the New York Academy of Sciences*, **2008**, 1124, 225-38	6.5	29
82	The target selective neural response--similarity, ambiguity, and learning effects. *PLoS ONE*, **2008**, 3, e2520	3.7	28
81	Cognitive training: neural correlates of expert skills. *Current Biology*, **2007**, 17, R95-7	6.3	7
80	Selective tuning of the blood oxygenation level-dependent response during simple target detection dissociates human frontoparietal subregions. *Journal of Neuroscience*, **2007**, 27, 6219-23	6.6	70
79	Do vegetative patients retain aspects of language comprehension? Evidence from fMRI. *Brain*, **2007**, 130, 2494-507	11.2	203
78	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, 16032-7	11.5	202

77	Catechol O-methyltransferase Val158Met genotype influences frontoparietal activity during planning in patients with Parkinson's disease. *Journal of Neuroscience*, **2007**, 27, 4832-8	6.6	159
76	Using functional magnetic resonance imaging to detect covert awareness in the vegetative state. *Archives of Neurology*, **2007**, 64, 1098-102		83
75	Functional MRI in disorders of consciousness: advantages and limitations. *Current Opinion in Neurology*, **2007**, 20, 632-7	7.1	30
74	A common prefrontal-parietal network for mnemonic and mathematical recoding strategies within working memory. *Cerebral Cortex*, **2007**, 17, 778-86	5.1	75
73	Working memory: linking capacity with selectivity. *Current Biology*, **2006**, 16, R136-8	6.3	5
72	Planning and problem solving: from neuropsychology to functional neuroimaging. *Journal of Physiology (Paris)*, **2006**, 99, 308-17		123
71	Frontal lobe involvement in spatial span: converging studies of normal and impaired function. *Neuropsychologia*, **2006**, 44, 229-37	3.2	58
70	Frontoparietal activity with minimal decision and control. *Journal of Neuroscience*, **2006**, 26, 9805-9	6.6	65
69	Detecting awareness in the vegetative state. *Science*, **2006**, 313, 1402	33.3	1037
68	Dissociable contributions of the mid-ventrolateral frontal cortex and the medial temporal lobe system to human memory. *NeuroImage*, **2006**, 31, 1790-801	7.9	28
67	Improving reverse neuroimaging inference: cognitive domain versus cognitive complexity. *Trends in Cognitive Sciences*, **2006**, 10, 352-3	14	32
66	The role of learned irrelevance in attentional set-shifting impairments in Parkinson's disease. *Neuropsychology*, **2006**, 20, 578-88	3.8	48
65	When thoughts become actions: functional neuroimaging in the vegetative state. *Future Neurology*, **2006**, 1, 693-695	1.5	1
64	How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?. *Current Opinion in Neurology*, **2006**, 19, 520-7	7.1	64
63	Fractionating attentional control using event-related fMRI. *Cerebral Cortex*, **2006**, 16, 1679-89	5.1	258
62	Residual auditory function in persistent vegetative state: a combined PET and fMRI study. *Neuropsychological Rehabilitation*, **2005**, 15, 290-306	3.1	94
61	Dopaminergic basis for deficits in working memory but not attentional set-shifting in Parkinson's disease. *Neuropsychologia*, **2005**, 43, 823-32	3.2	226
60	Anterior prefrontal cortex and the recollection of contextual information. *Neuropsychologia*, **2005**, 43, 1774-83	3.2	101

59	N-back working memory paradigm: a meta-analysis of normative functional neuroimaging studies. *Human Brain Mapping*, **2005**, 25, 46-59	5.9	2272
58	Distinct roles for lateral and medial anterior prefrontal cortex in contextual recollection. *Journal of Neurophysiology*, **2005**, 94, 813-20	3.2	102
57	Functional neuroanatomy of successful paired associate learning in Alzheimer's disease. *American Journal of Psychiatry*, **2005**, 162, 2049-60	11.9	55
56	Striatal contributions to working memory: a functional magnetic resonance imaging study in humans. *European Journal of Neuroscience*, **2004**, 19, 755-60	3.5	213
55	Prefrontal cortical involvement in verbal encoding strategies. *European Journal of Neuroscience*, **2004**, 19, 3365-70	3.5	104
54	Neural contributions to the motivational control of appetite in humans. *European Journal of Neuroscience*, **2004**, 20, 1411-8	3.5	144
53	Anterior prefrontal cortex: insights into function from anatomy and neuroimaging. *Nature Reviews Neuroscience*, **2004**, 5, 184-94	13.5	905
52	Brain function in coma, vegetative state, and related disorders. *Lancet Neurology, The*, **2004**, 3, 537-46	24.1	717
51	Working memory: imaging the magic number four. *Current Biology*, **2004**, 14, R573-4	6.3	25
50	Cognitive tasks for driving a brain-computer interfacing system: a pilot study. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2004**, 12, 48-54	4.8	83
49	Cognitive dysfunction in Parkinson's disease: the role of frontostriatal circuitry. *Neuroscientist*, **2004**, 10, 525-37	7.6	357
48	Acquiring a cognitive skill with a new repeating version of the Tower of London task. *Canadian Journal of Experimental Psychology*, **2004**, 58, 272-88	0.8	13
47	Cognitive impairments in early Parkinson's disease are accompanied by reductions in activity in frontostriatal neural circuitry. *Journal of Neuroscience*, **2003**, 23, 6351-6	6.6	419
46	Dissociable contributions of the human amygdala and orbitofrontal cortex to incentive motivation and goal selection. *Journal of Neuroscience*, **2003**, 23, 9632-8	6.6	285
45	Using executive heterogeneity to explore the nature of working memory deficits in Parkinson's disease. *Neuropsychologia*, **2003**, 41, 645-54	3.2	151
44	HERA today, gone tomorrow?. *Trends in Cognitive Sciences*, **2003**, 7, 383-384	14	40
43	Encoding strategies dissociate prefrontal activity from working memory demand. *Neuron*, **2003**, 37, 361-7	13.9	287
42	Enhancing the sensitivity of a sustained attention task to frontal damage: convergent clinical and functional imaging evidence. *Neurocase*, **2003**, 9, 340-9	0.8	127

41	Preference formation and working memory in Parkinson's disease and normal ageing. *Neuropsychologia*, **2002**, 40, 317-26	3.2	10
40	Evidence for asymmetric frontal-lobe involvement in episodic memory from functional magnetic resonance imaging and patients with unilateral frontal-lobe excisions. *Neuropsychologia*, **2002**, 40, 2420-37	3.2	11
39	The problem of functional localization in the human brain. *Nature Reviews Neuroscience*, **2002**, 3, 243-9	13.5	981
38	Detecting residual cognitive function in persistent vegetative state. *Neurocase*, **2002**, 8, 394-403	0.8	80
37	Dopaminergic modulation of high-level cognition in Parkinson's disease: the role of the prefrontal cortex revealed by PET. *Brain*, **2002**, 125, 584-94	11.2	341
36	Defining the neural mechanisms of probabilistic reversal learning using event-related functional magnetic resonance imaging. *Journal of Neuroscience*, **2002**, 22, 4563-7	6.6	534
35	Perceptual and semantic components of memory for objects and faces: a pet study. *Journal of Cognitive Neuroscience*, **2001**, 13, 430-43	3.1	39
34	Asymmetric frontal activation during episodic memory: the effects of stimulus type on encoding and retrieval. *Neuropsychologia*, **2000**, 38, 677-92	3.2	39
33	The role of the lateral frontal cortex in mnemonic processing: the contribution of functional neuroimaging. *Experimental Brain Research*, **2000**, 133, 33-43	2.3	274
32	Impaired preference conditioning after anterior temporal lobe resection in humans. *Journal of Neuroscience*, **2000**, 20, 2649-56	6.6	98
31	Methylphenidate enhances working memory by modulating discrete frontal and parietal lobe regions in the human brain. *Journal of Neuroscience*, **2000**, 20, RC65	6.6	412
30	The strategic control of gaze direction in the Tower-of-London task. *Journal of Cognitive Neuroscience*, **2000**, 12, 894-907	3.1	65
29	The role of the lateral frontal cortex in mnemonic processing: the contribution of functional neuroimaging **2000**, 33-43		3
28	Common regions of the human frontal lobe recruited by diverse cognitive demands. *Trends in Neurosciences*, **2000**, 23, 475-83	13.3	1867
27	Activity in ventrolateral and mid-dorsolateral prefrontal cortex during nonspatial visual working memory processing: evidence from functional magnetic resonance imaging. *NeuroImage*, **2000**, 11, 392-9	7.9	102
26	Episodic Memory Meets Working Memory in the Frontal Lobe: Functional Neuroimaging Studies of Encoding and Retrieval. *Critical Reviews in Neurobiology*, **2000**, 14, 33		29
25	Dissociating aspects of verbal working memory within the human frontal lobe: Further evidence for a process-specific model of lateral frontal organization. *Cognitive, Affective and Behavioral Neuroscience*, **2000**, 28, 146-155		15
24	Choosing between small, likely rewards and large, unlikely rewards activates inferior and orbital prefrontal cortex. *Journal of Neuroscience*, **1999**, 19, 9029-38	6.6	671

23	Mapping the network for planning: a correlational PET activation study with the Tower of London task. *Brain*, **1999**, 122 (Pt 10), 1973-87	11.2	311
22	Redefining the functional organization of working memory processes within human lateral prefrontal cortex. *European Journal of Neuroscience*, **1999**, 11, 567-74	3.5	217
21	Comparison of set-shifting ability in patients with chronic schizophrenia and frontal lobe damage. *Schizophrenia Research*, **1999**, 37, 251-70	3.6	315
20	The functional organization of the lateral frontal cortex: conjecture or conjuncture in the electrophysiology literature?. *Trends in Cognitive Sciences*, **1998**, 2, 46-53	14	83
19	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. Cambridge Neuropsychological Test Automated Battery. *Journal of the International Neuropsychological Society*, **1998**, 4, 474-90	3.1	412
18	The role of executive deficits in memory disorders in neurodegenerative disease **1998**, 157-171		9
17	Tuning in to the temporal dynamics of brain activation using functional magnetic resonance imaging (fMRI). *Trends in Cognitive Sciences*, **1997**, 1, 123-5	14	15
16	Cognitive planning in humans: neuropsychological, neuroanatomical and neuropharmacological perspectives. *Progress in Neurobiology*, **1997**, 53, 431-50	10.9	199
15	The functional organization of working memory processes within human lateral frontal cortex: the contribution of functional neuroimaging. *European Journal of Neuroscience*, **1997**, 9, 1329-39	3.5	336
14	Spatial and non-spatial working memory at different stages of Parkinson's disease. *Neuropsychologia*, **1997**, 35, 519-32	3.2	323
13	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	3.1	124
12	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 (Pt 5), 1597-615	11.2	263
11	Planning and spatial working memory: a positron emission tomography study in humans. *European Journal of Neuroscience*, **1996**, 8, 353-64	3.5	392
10	Functional anatomy of visuomotor skill learning in human subjects examined with positron emission tomography. *European Journal of Neuroscience*, **1996**, 8, 637-48	3.5	262
9	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	3.2	447
8	Dopamine-dependent frontostriatal planning deficits in early Parkinson's disease.. *Neuropsychology* , **1995**, 9, 126-140	3.8	183
7	An annotated summary and translation of Ün the self-awareness of focal brain diseases by the patient in cortical blindness and cortical deafnessÜ by Gabriel Anton (1899). *Cognitive Neuropsychology*, **1993**, 10, 263-272	2.3	9
6	Contrasting mechanisms of impaired attentional set-shifting in patients with frontal lobe damage or Parkinson's disease. *Brain*, **1993**, 116 (Pt 5), 1159-75	11.2	555

5	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	3.2	569
4	Psychiatric, neurological and medical aspects of misidentification syndromes: a review of 260 cases. *Psychological Medicine*, **1991**, 21, 905-10	6.9	151
3	Planning and spatial working memory following frontal lobe lesions in man. *Neuropsychologia*, **1990** , 28, 1021-34	3.2	1028
2	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. *Advances in Bioinformatics and Biomedical Engineering Book Series*,181-214	0.4	4
1	A Synergistic Workspace for Human Consciousness Revealed by Integrated Information Decomposition		12