

Steven Laureys

List of Publications by Year in descending order

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548
papers

51,828
citations

1457

107
h-index

2171

202
g-index

593
all docs

593
docs citations

593
times ranked

21100
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	4.9	1,571
2	Detecting Awareness in the Vegetative State. <i>Science</i> , 2006, 313, 1402-1402.	6.0	1,465
3	Willful Modulation of Brain Activity in Disorders of Consciousness. <i>New England Journal of Medicine</i> , 2010, 362, 579-589.	13.9	1,220
4	Diagnostic accuracy of the vegetative and minimally conscious state: Clinical consensus versus standardized neurobehavioral assessment. <i>BMC Neurology</i> , 2009, 9, 35.	0.8	957
5	Brain Response to One's Own Name in Vegetative State, Minimally Conscious State, and Locked-in Syndrome. <i>Archives of Neurology</i> , 2006, 63, 562.	4.9	948
6	Unresponsive wakefulness syndrome: a new name for the vegetative state or apallic syndrome. <i>BMC Medicine</i> , 2010, 8, 68.	2.3	902
7	Brain function in coma, vegetative state, and related disorders. <i>Lancet Neurology</i> , The, 2004, 3, 537-546.	4.9	888
8	A Theoretically Based Index of Consciousness Independent of Sensory Processing and Behavior. <i>Science Translational Medicine</i> , 2013, 5, 198ra105.	5.8	839
9	Voluntary brain processing in disorders of consciousness. <i>Neurology</i> , 2008, 71, 1614-1620.	1.5	818
10	Cerebral processing in the minimally conscious state. <i>Neurology</i> , 2004, 63, 916-918.	1.5	776
11	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. <i>Brain</i> , 2010, 133, 161-171.	3.7	723
12	The neural correlate of (un)awareness: lessons from the vegetative state. <i>Trends in Cognitive Sciences</i> , 2005, 9, 556-559.	4.0	660
13	Disorders of consciousness after acquired brain injury: the state of the science. <i>Nature Reviews Neurology</i> , 2014, 10, 99-114.	4.9	610
14	Breakdown of within- and between-network Resting State Functional Magnetic Resonance Imaging Connectivity during Propofol-induced Loss of Consciousness. <i>Anesthesiology</i> , 2010, 113, 1038-1053.	1.3	576
15	Bedside detection of awareness in the vegetative state: a cohort study. <i>Lancet</i> , The, 2011, 378, 2088-2094.	6.3	559
16	From unresponsive wakefulness to minimally conscious PLUS and functional locked-in syndromes: recent advances in our understanding of disorders of consciousness. <i>Journal of Neurology</i> , 2011, 258, 1373-1384.	1.8	530
17	Baseline brain activity fluctuations predict somatosensory perception in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12187-12192.	3.3	489
18	Brain, conscious experience and the observing self. <i>Trends in Neurosciences</i> , 2003, 26, 671-675.	4.2	458

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19	Self-referential reflective activity and its relationship with rest: a PET study. <i>NeuroImage</i> , 2005, 25, 616-624.	2.1	452
20	Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State. <i>Science</i> , 2011, 332, 858-862.	6.0	444
21	Cytology and functionally correlated circuits of human posterior cingulate areas. <i>NeuroImage</i> , 2006, 29, 452-466.	2.1	439
22	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. <i>Lancet, The</i> , 2014, 384, 514-522.	6.3	433
23	Posterior cingulate, precuneal and retrosplenial cortices: cytology and components of the neural network correlates of consciousness. <i>Progress in Brain Research</i> , 2005, 150, 205-217.	0.9	428
24	Practice guideline update recommendations summary: Disorders of consciousness. <i>Neurology</i> , 2018, 91, 450-460.	1.5	427
25	Perception of pain in the minimally conscious state with PET activation: an observational study. <i>Lancet Neurology, The</i> , 2008, 7, 1013-1020.	4.9	417
26	Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. <i>Brain</i> , 2012, 135, 1308-1320.	3.7	400
27	Cortical Processing of Noxious Somatosensory Stimuli in the Persistent Vegetative State. <i>NeuroImage</i> , 2002, 17, 732-741.	2.1	372
28	Unresponsiveness à% Unconsciousness. <i>Anesthesiology</i> , 2012, 116, 946-959.	1.3	371
29	Two Distinct Neuronal Networks Mediate the Awareness of Environment and of Self. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 570-578.	1.1	367
30	The locked-in syndrome : what is it like to be conscious but paralyzed and voiceless?. <i>Progress in Brain Research</i> , 2005, 150, 495-611.	0.9	359
31	Impaired Effective Cortical Connectivity in Vegetative State: Preliminary Investigation Using PET. <i>NeuroImage</i> , 1999, 9, 377-382.	2.1	357
32	Restoration of thalamocortical connectivity after recovery from persistent vegetative state. <i>Lancet, The</i> , 2000, 355, 1790-1791.	6.3	353
33	<i>Intrinsic Brain Activity in Altered States of Consciousness</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1129, 119-129.	1.8	340
34	Coma and consciousness: Paradigms (re)framed by neuroimaging. <i>NeuroImage</i> , 2012, 61, 478-491.	2.1	336
35	Auditory Processing in Severely Brain Injured Patients. <i>Archives of Neurology</i> , 2004, 61, 233.	4.9	335
36	European Academy of Neurology guideline on the diagnosis of coma and other disorders of consciousness. <i>European Journal of Neurology</i> , 2020, 27, 741-756.	1.7	331

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37	Neural Mechanisms of Antinociceptive Effects of Hypnosis. <i>Anesthesiology</i> , 2000, 92, 1257-1267.	1.3	326
38	Propofol Anesthesia and Sleep: A High-Density EEG Study. <i>Sleep</i> , 2011, 34, 283-291.	0.6	326
39	Cerebral response to patient's own name in the vegetative and minimally conscious states. <i>Neurology</i> , 2007, 68, 895-899.	1.5	312
40	Stratification of unresponsive patients by an independently validated index of brain complexity. <i>Annals of Neurology</i> , 2016, 80, 718-729.	2.8	309
41	Consciousness and Complexity during Unresponsiveness Induced by Propofol, Xenon, and Ketamine. <i>Current Biology</i> , 2015, 25, 3099-3105.	1.8	308
42	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , The, 2019, 18, 923-934.	4.9	304
43	Spasticity after stroke: Physiology, assessment and treatment. <i>Brain Injury</i> , 2013, 27, 1093-1105.	0.6	301
44	When thoughts become action: An fMRI paradigm to study volitional brain activity in non-communicative brain injured patients. <i>NeuroImage</i> , 2007, 36, 979-992.	2.1	299
45	Human consciousness is supported by dynamic complex patterns of brain signal coordination. <i>Science Advances</i> , 2019, 5, eaat7603.	4.7	296
46	Functional connectivity in the default network during resting state is preserved in a vegetative but not in a brain dead patient. <i>Human Brain Mapping</i> , 2009, 30, 2393-2400.	1.9	294
47	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , 2015, 138, 2619-2631.	3.7	290
48	Sleeping brain, learning brain. The role of sleep for memory systems. <i>NeuroReport</i> , 2001, 12, A111-A124.	0.6	289
49	Connectivity Changes Underlying Spectral EEG Changes during Propofol-Induced Loss of Consciousness. <i>Journal of Neuroscience</i> , 2012, 32, 7082-7090.	1.7	272
50	Orbitofrontal cortex involvement in chronic analgesic-overuse headache evolving from episodic migraine. <i>Brain</i> , 2006, 129, 543-550.	3.7	271
51	Auditory processing in the vegetative state. <i>Brain</i> , 2000, 123, 1589-1601.	3.7	267
52	tDCS in patients with disorders of consciousness. <i>Neurology</i> , 2014, 82, 1112-1118.	1.5	262
53	The repetition of behavioral assessments in diagnosis of disorders of consciousness. <i>Annals of Neurology</i> , 2017, 81, 883-889.	2.8	247
54	Brain functional integration decreases during propofol-induced loss of consciousness. <i>NeuroImage</i> , 2011, 57, 198-205.	2.1	239

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55	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
56	Complexity of Multi-Dimensional Spontaneous EEG Decreases during Propofol Induced General Anaesthesia. <i>PLoS ONE</i> , 2015, 10, e0133532.	1.1	231
57	Therapeutic interventions in patients with prolonged disorders of consciousness. <i>Lancet Neurology</i> , The, 2019, 18, 600-614.	4.9	228
58	Resting State Networks and Consciousness. <i>Frontiers in Psychology</i> , 2012, 3, 295.	1.1	226
59	Comprehensive systematic review update summary: Disorders of consciousness. <i>Neurology</i> , 2018, 91, 461-470.	1.5	226
60	Brain networks predict metabolism, diagnosis and prognosis at the bedside in disorders of consciousness. <i>Brain</i> , 2017, 140, 2120-2132.	3.7	225
61	Probing command following in patients with disorders of consciousness using a brain-computer interface. <i>Clinical Neurophysiology</i> , 2013, 124, 101-106.	0.7	217
62	Robust EEG-based cross-site and cross-protocol classification of states of consciousness. <i>Brain</i> , 2018, 141, 3179-3192.	3.7	213
63	Offline Persistence of Memory-Related Cerebral Activity during Active Wakefulness. <i>PLoS Biology</i> , 2006, 4, e100.	2.6	212
64	Functional neuroanatomy underlying the clinical subcategorization of minimally conscious state patients. <i>Journal of Neurology</i> , 2012, 259, 1087-1098.	1.8	209
65	Behavioral evaluation of consciousness in severe brain damage. <i>Progress in Brain Research</i> , 2005, 150, 397-413.	0.9	208
66	Human cognition during REM sleep and the activity profile within frontal and parietal cortices: a reappraisal of functional neuroimaging data. <i>Progress in Brain Research</i> , 2005, 150, 219-595.	0.9	198
67	The vegetative state. <i>BMJ: British Medical Journal</i> , 2010, 341, c3765-c3765.	2.4	195
68	Neural correlates of consciousness in patients who have emerged from a minimally conscious state: a cross-sectional multimodal imaging study. <i>Lancet Neurology</i> , The, 2016, 15, 830-842.	4.9	193
69	Auditory Resting-State Network Connectivity in Tinnitus: A Functional MRI Study. <i>PLoS ONE</i> , 2012, 7, e36222.	1.1	193
70	Connectivity graph analysis of the auditory resting state network in tinnitus. <i>Brain Research</i> , 2012, 1485, 10-21.	1.1	188
71	A human brain network derived from coma-causing brainstem lesions. <i>Neurology</i> , 2016, 87, 2427-2434.	1.5	187
72	Multiple fMRI system-level baseline connectivity is disrupted in patients with consciousness alterations. <i>Cortex</i> , 2014, 52, 35-46.	1.1	185

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73	The spectral exponent of the resting EEG indexes the presence of consciousness during unresponsiveness induced by propofol, xenon, and ketamine. <i>NeuroImage</i> , 2019, 189, 631-644.	2.1	185
74	Cerebral metabolism during vegetative state and after recovery to consciousness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1999, 67, 121-122.	0.9	179
75	Consciousness in humans and non-human animals: recent advances and future directions. <i>Frontiers in Psychology</i> , 2013, 4, 625.	1.1	170
76	Resting-state Network-specific Breakdown of Functional Connectivity during Ketamine Alteration of Consciousness in Volunteers. <i>Anesthesiology</i> , 2016, 125, 873-888.	1.3	168
77	Cerebral correlates of delta waves during non-REM sleep revisited. <i>NeuroImage</i> , 2005, 28, 14-21.	2.1	166
78	Hierarchical clustering of brain activity during human nonrapid eye movement sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5856-5861.	3.3	165
79	Death, unconsciousness and the brain. <i>Nature Reviews Neuroscience</i> , 2005, 6, 899-909.	4.9	164
80	Consciousness supporting networks. <i>Current Opinion in Neurobiology</i> , 2013, 23, 239-244.	2.0	163
81	Increased cerebral functional connectivity underlying the antinociceptive effects of hypnosis. <i>Cognitive Brain Research</i> , 2003, 17, 255-262.	3.3	162
82	Functional Neuroimaging Applications for Assessment and Rehabilitation Planning in Patients With Disorders of Consciousness. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006, 87, 67-76.	0.5	155
83	The Nociception Coma Scale: A new tool to assess nociception in disorders of consciousness. <i>Pain</i> , 2010, 148, 215-219.	2.0	153
84	A survey on self-assessed well-being in a cohort of chronic locked-in syndrome patients: happy majority, miserable minority. <i>BMJ Open</i> , 2011, 1, e000039-e000039.	0.8	153
85	Functional neuroanatomy of the hypnotic state. <i>Journal of Physiology (Paris)</i> , 2006, 99, 463-469.	2.1	151
86	Life can be worth living in locked-in syndrome. <i>Progress in Brain Research</i> , 2009, 177, 339-351.	0.9	151
87	Large-scale signatures of unconsciousness are consistent with a departure from critical dynamics. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20151027.	1.5	148
88	Practice Guideline Update Recommendations Summary: Disorders of Consciousness. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1699-1709.	0.5	144
89	Neural mechanisms involved in the detection of our first name: a combined ERPs and PET study. <i>Neuropsychologia</i> , 2005, 43, 12-19.	0.7	143
90	Attitudes towards end-of-life issues in disorders of consciousness: a European survey. <i>Journal of Neurology</i> , 2011, 258, 1058-1065.	1.8	139

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91	Granger Causality Analysis of Steady-State Electroencephalographic Signals during Propofol-Induced Anaesthesia. PLoS ONE, 2012, 7, e29072.	1.1	138
92	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. Annals of Neurology, 2015, 78, 68-76.	2.8	137
93	Central modulation in cluster headache patients treated with occipital nerve stimulation: an FDG-PET study. BMC Neurology, 2011, 11, 25.	0.8	134
94	Measuring Consciousness in Severely Damaged Brains. Annual Review of Neuroscience, 2014, 37, 457-478.	5.0	134
95	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. Anesthesiology, 2012, 117, 1300-1310.	1.3	133
96	Measures of metabolism and complexity in the brain of patients with disorders of consciousness. NeuroImage: Clinical, 2017, 14, 354-362.	1.4	133
97	Self-consciousness in non-communicative patients. Consciousness and Cognition, 2007, 16, 722-741.	0.8	128
98	Electrophysiological correlates of behavioural changes in vigilance in vegetative state and minimally conscious state. Brain, 2011, 134, 2222-2232.	3.7	128
99	Identifying the default mode component in spatial IC analyses of patients with disorders of consciousness. Human Brain Mapping, 2012, 33, 778-796.	1.9	128
100	A French validation study of the Coma Recovery Scale-Revised (CRS-R). Brain Injury, 2008, 22, 786-792.	0.6	127
101	Cognitive function in the locked-in syndrome. Journal of Neurology, 2008, 255, 323-330.	1.8	126
102	Use of brain diffusion tensor imaging for the prediction of long-term neurological outcomes in patients after cardiac arrest: a multicentre, international, prospective, observational, cohort study. Lancet Neurology, The, 2018, 17, 317-326.	4.9	126
103	Short article: one's own face is hard to ignore. Quarterly Journal of Experimental Psychology, 2006, 59, 46-52.	0.6	125
104	Dynamic Change of Global and Local Information Processing in Propofol-Induced Loss and Recovery of Consciousness. PLoS Computational Biology, 2013, 9, e1003271.	1.5	124
105	Cerebral processing of auditory and noxious stimuli in severely brain injured patients: Differences between VS and MCS. Neuropsychological Rehabilitation, 2005, 15, 283-289.	1.0	122
106	DMT Models the Near-Death Experience. Frontiers in Psychology, 2018, 9, 1424.	1.1	122
107	Physiological feelings. Neuroscience and Biobehavioral Reviews, 2019, 103, 267-304.	2.9	121
108	Metabolic activity in external and internal awareness networks in severely brain-damaged patients. Journal of Rehabilitation Medicine, 2012, 44, 487-494.	0.8	119

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109	Regional cerebral metabolic patterns demonstrate the role of anterior forebrain mesocircuit dysfunction in the severely injured brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6473-6478.	3.3	119
110	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. NeuroImage: Clinical, 2014, 4, 240-248.	1.4	119
111	Controlled clinical trial of repeated prefrontal tDCS in patients with chronic minimally conscious state. Brain Injury, 2017, 31, 466-474.	0.6	119
112	Tracking the recovery of consciousness from coma. Journal of Clinical Investigation, 2006, 116, 1823-1825.	3.9	118
113	Resting-state EEG study of comatose patients: a connectivity and frequency analysis to find differences between vegetative and minimally conscious states. Functional Neurology, 2012, 27, 41-7.	1.3	118
114	Detecting consciousness in a total locked-in syndrome: An active event-related paradigm. Neurocase, 2009, 15, 271-277.	0.2	117
115	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. Journal of Clinical Epidemiology, 2020, 122, 95-107.	2.4	117
116	Quantifying Cortical EEG Responses to TMS in (Un)consciousness. Clinical EEG and Neuroscience, 2014, 45, 40-49.	0.9	116
117	Using Functional Magnetic Resonance Imaging to Detect Covert Awareness in the Vegetative State. Archives of Neurology, 2007, 64, 1098.	4.9	114
118	Recent advances in disorders of consciousness: Focus on the diagnosis. Brain Injury, 2014, 28, 1141-1150.	0.6	114
119	The effect of spaceflight and microgravity on the human brain. Journal of Neurology, 2017, 264, 18-22.	1.8	113
120	Thalamus, Brainstem and Salience Network Connectivity Changes During Propofol-Induced Sedation and Unconsciousness. Brain Connectivity, 2013, 3, 273-285.	0.8	112
121	Biased binomial assessment of cross-validated estimation of classification accuracies illustrated in diagnosis predictions. NeuroImage: Clinical, 2014, 4, 687-694.	1.4	112
122	Neurophysiology of hypnosis. Neurophysiologie Clinique, 2014, 44, 343-353.	1.0	110
123	Mapping the functional connectome traits of levels of consciousness. NeuroImage, 2017, 148, 201-211.	2.1	109
124	Sleep-like cortical OFF-periods disrupt causality and complexity in the brain of unresponsive wakefulness syndrome patients. Nature Communications, 2018, 9, 4427.	5.8	109
125	Another kind of "BOLD Response": answering multiple-choice questions via online decoded single-trial brain signals. Progress in Brain Research, 2009, 177, 275-292.	0.9	106
126	Cortical reorganization in an astronaut's brain after long-duration spaceflight. Brain Structure and Function, 2016, 221, 2873-2876.	1.2	103

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127	Clinical and advanced neurophysiology in the prognostic and diagnostic evaluation of disorders of consciousness: review of an IFCN-endorsed expert group. <i>Clinical Neurophysiology</i> , 2020, 131, 2736-2765.	0.7	103
128	Mismatch negativity to the patient's own name in chronic disorders of consciousness. <i>Neuroscience Letters</i> , 2008, 448, 24-28.	1.0	102
129	Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. <i>Anesthesiology</i> , 2012, 117, 1311-1321.	1.3	102
130	Diagnostic and prognostic use of bispectral index in coma, vegetative state and related disorders. <i>Brain Injury</i> , 2008, 22, 926-931.	0.6	101
131	A sensitive scale to assess nociceptive pain in patients with disorders of consciousness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 1233-1237.	0.9	101
132	Common resting brain dynamics indicate a possible mechanism underlying zolpidem response in severe brain injury. <i>ELife</i> , 2013, 2, e01157.	2.8	101
133	The Vegetative State: Prevalence, Misdiagnosis, and Treatment Limitations. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 85.e9-85.e14.	1.2	101
134	Comprehensive Systematic Review Update Summary: Disorders of Consciousness. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1710-1719.	0.5	100
135	An independent SSVEP-based brain-computer interface in locked-in syndrome. <i>Journal of Neural Engineering</i> , 2014, 11, 035002.	1.8	99
136	Quantitative Rates of Brain Glucose Metabolism Distinguish Minimally Conscious from Vegetative State Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 58-65.	2.4	99
137	What is it like to be vegetative or minimally conscious?. <i>Current Opinion in Neurology</i> , 2007, 20, 609-613.	1.8	98
138	Anterior cingulate activity and the self in disorders of consciousness. <i>Human Brain Mapping</i> , 2010, 31, 1993-2002.	1.9	98
139	Relationship between etiology and covert cognition in the minimally conscious state. <i>Neurology</i> , 2012, 78, 816-822.	1.5	98
140	Does the FOUR score correctly diagnose the vegetative and minimally conscious states?. <i>Annals of Neurology</i> , 2006, 60, 744-745.	2.8	97
141	Neuroimaging activation studies in the vegetative state: predictors of recovery?. <i>Clinical Medicine</i> , 2008, 8, 502-507.	0.8	97
142	Assessment of visual pursuit in post-comatose states: use a mirror. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 79, 223-223.	0.9	96
143	Automated EEG entropy measurements in coma, vegetative state/unresponsive wakefulness syndrome and minimally conscious state. <i>Functional Neurology</i> , 2011, 26, 25-30.	1.3	95
144	Brain ventricular volume changes induced by long-duration spaceflight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10531-10536.	3.3	94

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145	Minimally conscious state “plus” diagnostic criteria and relation to functional recovery. <i>Journal of Neurology</i> , 2020, 267, 1245-1254.	1.8	94
146	Posterior Cingulate Cortex-Related Co-Activation Patterns: A Resting State fMRI Study in Propofol-Induced Loss of Consciousness. <i>PLoS ONE</i> , 2014, 9, e100012.	1.1	94
147	Hypnotic modulation of resting state fMRI default mode and extrinsic network connectivity. <i>Progress in Brain Research</i> , 2011, 193, 309-322.	0.9	93
148	Randomized controlled trial of home-based 4-week tDCS in chronic minimally conscious state. <i>Brain Stimulation</i> , 2018, 11, 982-990.	0.7	93
149	Pain and non-pain processing during hypnosis: A thulium-YAG event-related fMRI study. <i>NeuroImage</i> , 2009, 47, 1047-1054.	2.1	91
150	The cognitive modulation of pain: hypnosis- and placebo-induced analgesia. <i>Progress in Brain Research</i> , 2005, 150, 251-600.	0.9	89
151	Disorders of consciousness: responding to requests for novel diagnostic and therapeutic interventions. <i>Lancet Neurology</i> , The, 2012, 11, 732-738.	4.9	89
152	Residual cognitive function in comatose, vegetative and minimally conscious states. <i>Current Opinion in Neurology</i> , 2005, 18, 726-733.	1.8	88
153	The problem of aphasia in the assessment of consciousness in brain-damaged patients. <i>Progress in Brain Research</i> , 2009, 177, 49-61.	0.9	88
154	The Minimal Energetic Requirement of Sustained Awareness after Brain Injury. <i>Current Biology</i> , 2016, 26, 1494-1499.	1.8	88
155	Brain Tissue “Volume Changes in Cosmonauts. <i>New England Journal of Medicine</i> , 2018, 379, 1678-1680.	13.9	88
156	Sleep in disorders of consciousness. <i>Sleep Medicine Reviews</i> , 2010, 14, 97-105.	3.8	87
157	Functional neuroanatomy of disorders of consciousness. <i>Epilepsy and Behavior</i> , 2014, 30, 28-32.	0.9	87
158	On the Cerebral Origin of EEG Responses to TMS: Insights From Severe Cortical Lesions. <i>Brain Stimulation</i> , 2015, 8, 142-149.	0.7	87
159	Characteristics of Near-Death Experiences Memories as Compared to Real and Imagined Events Memories. <i>PLoS ONE</i> , 2013, 8, e57620.	1.1	87
160	The changing spectrum of coma. <i>Nature Clinical Practice Neurology</i> , 2008, 4, 544-546.	2.7	86
161	Cortical processing of noxious somatosensory stimuli in the persistent vegetative state. <i>NeuroImage</i> , 2002, 17, 732-41.	2.1	86
162	Neuroimaging and Disorders of Consciousness: Envisioning an Ethical Research Agenda. <i>American Journal of Bioethics</i> , 2008, 8, 3-12.	0.5	85

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163	Brain Connectivity in Disorders of Consciousness. <i>Brain Connectivity</i> , 2012, 2, 1-10.	0.8	85
164	Automated Analysis of Background EEG and Reactivity During Therapeutic Hypothermia in Comatose Patients After Cardiac Arrest. <i>Clinical EEG and Neuroscience</i> , 2014, 45, 6-13.	0.9	85
165	EEG ultradian rhythmicity differences in disorders of consciousness during wakefulness. <i>Journal of Neurology</i> , 2016, 263, 1746-1760.	1.8	85
166	Relevance vector machine-consciousness classifier applied to cerebral metabolism of vegetative and locked-in patients. <i>NeuroImage</i> , 2011, 56, 797-808.	2.1	84
167	Brain functional connectivity differentiates dexmedetomidine from propofol and natural sleep. <i>British Journal of Anaesthesia</i> , 2017, 119, 674-684.	1.5	84
168	The self and its resting state in consciousness: An investigation of the vegetative state. <i>Human Brain Mapping</i> , 2014, 35, 1997-2008.	1.9	83
169	The vegetative state/unresponsive wakefulness syndrome: a systematic review of prevalence studies. <i>European Journal of Neurology</i> , 2014, 21, 1361-1368.	1.7	82
170	Pupil responses allow communication in locked-in syndrome patients. <i>Current Biology</i> , 2013, 23, R647-R648.	1.8	79
171	Different beliefs about pain perception in the vegetative and minimally conscious states: a European survey of medical and paramedical professionals. <i>Progress in Brain Research</i> , 2009, 177, 329-338.	0.9	78
172	Sleep in the Unresponsive Wakefulness Syndrome and Minimally Conscious State. <i>Journal of Neurotrauma</i> , 2013, 30, 339-346.	1.7	78
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