

# Steven Laureys

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

538 papers	37,080 citations	98 h-index	178 g-index
593 ext. papers	45,215 ext. citations	5.7 avg, IF	7.27 L-index

#	Paper	IF	Citations
538	Neurocognitive correlates of probable posttraumatic stress disorder following traumatic brain injury. <i>Brain and Spine</i> , <b>2022</b> , 2, 100854		0
537	Hypnosis, Meditation, and Self-Induced Cognitive Trance to Improve Post-treatment Oncological Patients' Quality of Life: Study Protocol.. <i>Frontiers in Psychology</i> , <b>2022</b> , 13, 807741	3.4	1
536	Quantifying arousal and awareness in altered states of consciousness using interpretable deep learning.. <i>Nature Communications</i> , <b>2022</b> , 13, 1064	17.4	1
535	Brain Connectometry Changes in Space Travelers After Long-Duration Spaceflight.. <i>Frontiers in Neural Circuits</i> , <b>2022</b> , 16, 815838	3.5	2
534	The effect of prolonged spaceflight on cerebrospinal fluid and perivascular spaces of astronauts and cosmonauts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2120439119	11.5	2
533	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. <i>Journal of Neurotrauma</i> , <b>2021</b> , 38, 2514-2529	5.4	8
532	PET Imaging in Altered States of Consciousness: Coma, Sleep, and Hypnosis <b>2021</b> , 1149-1176		
531	Pain and spastic features in chronic DOC patient: A cross-sectional retrospective study. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2021</b> , 65, 101566	3.8	0
530	Residual implicit and explicit language abilities in patients with disorders of consciousness: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 132, 391-391	9	2
529	Prediction of Global Functional Outcome and Post-Concussive Symptoms after Mild Traumatic Brain Injury: External Validation of Prognostic Models in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) Study. <i>Journal of Neurotrauma</i> , <b>2021</b> , 38, 196-209	5.4	4
528	Swallowing in individuals with disorders of consciousness: A cohort study. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2021</b> , 64, 101403	3.8	6
527	Differences between Men and Women in Treatment and Outcome after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2021</b> , 38, 235-251	5.4	12
526	The Brief Evaluation of Receptive Aphasia test for the detection of language impairment in patients with severe brain injury. <i>Brain Injury</i> , <b>2021</b> , 35, 705-717	2.1	3
525	Neural Responses to Heartbeats Detect Residual Signs of Consciousness during Resting State in Postcomatose Patients. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 5251-5262	6.6	8
524	The Development and Validation of the SWADOC: A Study Protocol for a Multicenter Prospective Cohort Study. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 662634	4.1	3
523	How hot is the hot zone? Computational modelling clarifies the role of parietal and frontoparietal connectivity during anaesthetic-induced loss of consciousness. <i>NeuroImage</i> , <b>2021</b> , 231, 117841	7.9	5
522	Persistent postconcussive symptoms in children and adolescents with mild traumatic brain injury receiving initial head computed tomography. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2021</b> , 1-10	2.1	2

521	Update on neuroimaging in disorders of consciousness. <i>Current Opinion in Neurology</i> , <b>2021</b> , 34, 488-496	7.1	5
520	Preservation of Brain Activity in Unresponsive Patients Identifies MCS Star. <i>Annals of Neurology</i> , <b>2021</b> , 90, 89-100	9.4	11
519	The evolutionary origin of near-death experiences: a systematic investigation. <i>Brain Communications</i> , <b>2021</b> , 3, fcab132	4.5	5
518	Estimating the Minimal Number of Repeated Examinations for Random Responsiveness With the Coma Recovery Scale-Revised as an Example. <i>Frontiers in Integrative Neuroscience</i> , <b>2021</b> , 15, 685627	3.2	0
517	A novel closed-loop EEG-tDCS approach to promote responsiveness of patients in minimally conscious state: A study protocol. <i>Behavioural Brain Research</i> , <b>2021</b> , 409, 113311	3.4	1
516	Neuroplastic changes mediate motor recovery with implanted peroneal nerve stimulator in individuals with chronic stroke: An open-label multimodal pilot study. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2021</b> , 64, 101358	3.8	
515	Neurophysiological Assessments During Continuous Sedation Until Death Put Validity of Observational Assessments Into Question: A Prospective Observational Study. <i>Pain and Therapy</i> , <b>2021</b> , 10, 377-390	3.6	4
514	Outcome Prediction after Moderate and Severe Traumatic Brain Injury: External Validation of Two Established Prognostic Models in 1742 European Patients. <i>Journal of Neurotrauma</i> , <b>2021</b> , 38, 1377-1388	5.4	11
513	Computer-Assisted Prescription: The Future of Nutrition Care?. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2021</b> , 45, 452-454	4.2	1
512	Transcranial Direct Current Stimulation in Disorders of Consciousness <b>2021</b> , 635-651		
511	SECONDS Administration Guidelines: A Fast Tool to Assess Consciousness in Brain-injured Patients. <i>Journal of Visualized Experiments</i> , <b>2021</b> ,	1.6	6
510	Perturbations in dynamical models of whole-brain activity dissociate between the level and stability of consciousness. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009139	5	8
509	Nonequilibrium brain dynamics as a signature of consciousness. <i>Physical Review E</i> , <b>2021</b> , 104, 014411	2.4	2
508	Losing the Self in Near-Death Experiences: The Experience of Ego-Dissolution. <i>Brain Sciences</i> , <b>2021</b> , 11,	3.4	3
507	Research Needs for Prognostic Modeling and Trajectory Analysis in Patients with Disorders of Consciousness. <i>Neurocritical Care</i> , <b>2021</b> , 35, 55-67	3.3	5
506	High-Density EEG in a Charles Bonnet Syndrome Patient during and without Visual Hallucinations: A Case-Report Study. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
505	Mapping the functional brain state of a world champion freediver in static dry apnea. <i>Brain Structure and Function</i> , <b>2021</b> , 226, 2675-2688	4	1
504	Primary versus early secondary referral to a specialized neurotrauma center in patients with moderate/severe traumatic brain injury: a CENTER TBI study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , <b>2021</b> , 29, 113	3.6	2

503	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury: A TRACK-TBI Study With External Validation in CENTER-TBI. <i>JAMA Neurology</i> , <b>2021</b> , 78, 1137-1148	17.2	10
502	Unconsciousness reconfigures modular brain network dynamics. <i>Chaos</i> , <b>2021</b> , 31, 093117	3.3	1
501	Simplified evaluation of CONsciousness disorders (SECONDS) in individuals with severe brain injury: A validation study. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2021</b> , 64, 101432	3.8	9
500	Loss of consciousness reduces the stability of brain hubs and the heterogeneity of brain dynamics. <i>Communications Biology</i> , <b>2021</b> , 4, 1037	6.7	2
499	Can We Cluster ICU Treatment Strategies for Traumatic Brain Injury by Hospital Treatment Preferences?. <i>Neurocritical Care</i> , <b>2021</b> , 1	3.3	0
498	Extended Coagulation Profiling in Isolated Traumatic Brain Injury: A CENTER-TBI Analysis.. <i>Neurocritical Care</i> , <b>2021</b> , 1	3.3	0
497	The Dilemma of Hydrocephalus in Prolonged Disorders of Consciousness. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 2150-2156	5.4	2
496	A study of the reliability and validity of the Chinese version of the Nociception Coma Scale-Revised. <i>Clinical Rehabilitation</i> , <b>2020</b> , 34, 1112-1121	3.3	
495	Hypnosis Associated with 3D Immersive Virtual Reality Technology in the Management of Pain: A Review of the Literature. <i>Journal of Pain Research</i> , <b>2020</b> , 13, 1129-1138	2.9	12
494	Near-Death Experience Memories Include More Episodic Components Than Flashbulb Memories. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 888	3.4	4
493	Comparison of Care System and Treatment Approaches for Patients with Traumatic Brain Injury in China versus Europe: A CENTER-TBI Survey Study. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 1806-1817	5.4	7
492	Brain-computer interfaces for consciousness assessment and communication in severely brain-injured patients. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2020</b> , 168, 137-152	3	7
491	Time-Delay Latency of Resting-State Blood Oxygen Level-Dependent Signal Related to the Level of Consciousness in Patients with Severe Consciousness Impairment. <i>Brain Connectivity</i> , <b>2020</b> , 10, 83-94	2.7	3
490	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. <i>Journal of Clinical Epidemiology</i> , <b>2020</b> , 122, 95-107	5.7	47
489	An Echo of Consciousness: Brain Function During Preferred Music. <i>Brain Connectivity</i> , <b>2020</b> , 10, 385-395	2.7	8
488	Attitudes of Professional Caregivers and Family Members Regarding the Use of Monitoring Devices to Improve Assessments of Pain and Discomfort During Continuous Sedation Until Death. <i>Journal of Pain and Symptom Management</i> , <b>2020</b> , 60, 390-399	4.8	8
487	European Academy of Neurology guideline on the diagnosis of coma and other disorders of consciousness. <i>European Journal of Neurology</i> , <b>2020</b> , 27, 741-756	6	100
486	Brain Metabolism but Not Gray Matter Volume Underlies the Presence of Language Function in the Minimally Conscious State (MCS): MCS+ Versus MCS- Neuroimaging Differences. <i>Neurorehabilitation and Neural Repair</i> , <b>2020</b> , 34, 172-184	4.7	8

485	Near-Death Experience as a Probe to Explore (Disconnected) Consciousness. <i>Trends in Cognitive Sciences</i> , <b>2020</b> , 24, 173-183	14	14
484	Characterization of near death experiences using text mining analyses: A preliminary study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227402	3.7	3
483	The Trace Conditional Learning of the Noxious Stimulus in UWS Patients and Its Prognostic Value in a GSR and HRV Entropy Study. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 97	3.3	3
482	Effects of a Vibro-Tactile P300 Based Brain-Computer Interface on the Coma Recovery Scale-Revised in Patients With Disorders of Consciousness. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 294	5.1	8
481	A mean field approach to model levels of consciousness from EEG recordings. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2020</b> , 2020, 083405	1.9	2
480	Auditory localization should be considered as a sign of minimally conscious state based on multimodal findings. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa195	4.5	2
479	Ethics of life-sustaining treatment in locked-in syndrome: A Chinese survey. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2020</b> , 63, 483-487	3.8	1
478	Toward a New Multi-Dimensional Classification of Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research for Traumatic Brain Injury Study. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 1002-1010	5.4	9
477	Unresponsive wakefulness syndrome: Outcomes from a vicious circle. <i>Annals of Neurology</i> , <b>2020</b> , 87, 12-18	9.4	7
476	Variation in the practice of tracheal intubation in Europe after traumatic brain injury: a prospective cohort study. <i>Anaesthesia</i> , <b>2020</b> , 75, 45-53	6.6	11
475	Organization of the commissural fiber system in congenital and late-onset blindness. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102133	5.3	9
474	Nociception Coma Scale-Revised Allows to Identify Patients With Preserved Neural Basis for Pain Experience. <i>Journal of Pain</i> , <b>2020</b> , 21, 742-750	5.2	4
473	Can the Nociception Coma Scale-Revised Be Used in Patients With a Tracheostomy?. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2020</b> , 101, 1064-1067	2.8	1
472	Reconfiguration of large-scale functional connectivity in patients with disorders of consciousness. <i>Brain and Behavior</i> , <b>2020</b> , 10, e1476	3.4	6
471	Minimally conscious state "plus": diagnostic criteria and relation to functional recovery. <i>Journal of Neurology</i> , <b>2020</b> , 267, 1245-1254	5.5	34
470	Behavioural and brain responses in cognitive trance: A TMS-EEG case study. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 586-588	4.3	6
469	Decreased Evoked Slow-Activity After tDCS in Disorders of Consciousness. <i>Frontiers in Systems Neuroscience</i> , <b>2020</b> , 14, 62	3.5	3
468	Behavioral and electrophysiological effects of network-based frontoparietal tDCS in patients with severe brain injury: A randomized controlled trial. <i>NeuroImage: Clinical</i> , <b>2020</b> , 28, 102426	5.3	9

467	Auditory and Somatosensory P3 Are Complementary for the Assessment of Patients with Disorders of Consciousness. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	7
466	The Near-Death Experience Content (NDE-C) scale: Development and psychometric validation. <i>Consciousness and Cognition</i> , <b>2020</b> , 86, 103049	2.6	6
465	Local sleep-like cortical reactivity in the awake brain after focal injury. <i>Brain</i> , <b>2020</b> , 143, 3672-3684	11.2	12
464	Islands of Awareness or Cortical Complexity?. <i>Trends in Neurosciences</i> , <b>2020</b> , 43, 545-546	13.3	2
463	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, 505-517	5.4	9
462	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> , <b>2020</b> , 131, 2736-2765	4.3	31
461	Health-related quality of life after traumatic brain injury: deriving value sets for the QOLIBRI-OS for Italy, The Netherlands and The United Kingdom. <i>Quality of Life Research</i> , <b>2020</b> , 29, 3095-3107	3.7	1
460	Transcutaneous Auricular Vagal Nerve Stimulation and Disorders of Consciousness: A Hypothesis for Mechanisms of Action. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 933	4.1	4
459	The misdiagnosis of prolonged disorders of consciousness by a clinical consensus compared with repeated coma-recovery scale-revised assessment. <i>BMC Neurology</i> , <b>2020</b> , 20, 343	3.1	14
458	Macro- and microstructural changes in cosmonauts' brains after long-duration spaceflight. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	24
457	Burnout syndrome in healthcare professionals who care for patients with prolonged disorders of consciousness: a cross-sectional survey. <i>BMC Health Services Research</i> , <b>2020</b> , 20, 841	2.9	7
456	Complete hemispherotomy leads to lateralized functional organization and lower level of consciousness in the isolated hemisphere. <i>Epilepsia Open</i> , <b>2020</b> , 5, 537-549	4	2
455	Neurophysiological Correlates of a Single Session of Prefrontal tDCS in Patients with Prolonged Disorders of Consciousness: A Pilot Double-Blind Randomized Controlled Study. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	5
454	Mental imagery for brain-computer interface control and communication in non-responsive individuals. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2020</b> , 63, 21-27	3.8	9
453	General Anesthesia: A Probe to Explore Consciousness. <i>Frontiers in Systems Neuroscience</i> , <b>2019</b> , 13, 36	3.5	29
452	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> , <b>2019</b> , 18, 923-934	24.1	139
451	Single tDCS session of motor cortex in patients with disorders of consciousness: a pilot study. <i>Brain Injury</i> , <b>2019</b> , 33, 1679-1683	2.1	12
450	Neurophenomenology of near-death experience memory in hypnotic recall: a within-subject EEG study. <i>Scientific Reports</i> , <b>2019</b> , 9, 14047	4.9	7



449	Unexpected emergence from the vegetative state: delayed discovery rather than late recovery of consciousness. <i>Journal of Neurology</i> , <b>2019</b> , 266, 3144-3149	5.5	5
448	Neurochemical models of near-death experiences: A large-scale study based on the semantic similarity of written reports. <i>Consciousness and Cognition</i> , <b>2019</b> , 69, 52-69	2.6	27
447	CAN SUBJECTIVE RATINGS OF ABSORPTION, DISSOCIATION, AND TIME PERCEPTION DURING "NEUTRAL HYPNOSIS" PREDICT HYPNOTIZABILITY?: An exploratory study. <i>International Journal of Clinical and Experimental Hypnosis</i> , <b>2019</b> , 67, 28-38	1.8	8
446	Validation of the Chinese version of the Coma Recovery Scale-Revised (CRS-R). <i>Brain Injury</i> , <b>2019</b> , 33, 529-533	2.1	5
445	Physiological feelings. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 103, 267-304	9	64
444	Author response: Practice guideline update recommendations summary: Disorders of consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research. <i>Neurology</i> , <b>2019</b> , 92, 1117-1120	6.5	0
443	A systematic analysis of distressing near-death experience accounts. <i>Memory</i> , <b>2019</b> , 27, 1122-1129	1.8	10
442	Brain ventricular volume changes induced by long-duration spaceflight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10531-10536	11.5	58
441	A fast and general method to empirically estimate the complexity of brain responses to transcranial and intracranial stimulations. <i>Brain Stimulation</i> , <b>2019</b> , 12, 1280-1289	5.1	24
440	Fractal dimension analysis of states of consciousness and unconsciousness using transcranial magnetic stimulation. <i>Computer Methods and Programs in Biomedicine</i> , <b>2019</b> , 175, 129-137	6.9	14
439	Decreased integration of EEG source-space networks in disorders of consciousness. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101841	5.3	25
438	Therapeutic interventions in patients with prolonged disorders of consciousness. <i>Lancet Neurology</i> , <b>2019</b> , 18, 600-614	24.1	75
437	Memories of near-death experiences: are they self-defining?. <i>Neuroscience of Consciousness</i> , <b>2019</b> , 2019, niz002	3.3	5
436	Should we include monitors to improve assessment of awareness and pain in unconscious palliatively sedated patients? A case report. <i>Palliative Medicine</i> , <b>2019</b> , 33, 712-716	5.5	10
435	Reappearance of Command-Following Is Associated With the Recovery of Language and Internal-Awareness Networks: A Longitudinal Multiple-Case Report. <i>Frontiers in Systems Neuroscience</i> , <b>2019</b> , 13, 8	3.5	4
434	Treating Disorders of Consciousness With Apomorphine: Protocol for a Double-Blind Randomized Controlled Trial Using Multimodal Assessments. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 248	4.1	7
433	Increased cerebral responses to salient transitions between alternating stimuli in chronic migraine with medication overuse headache and during migraine attacks. <i>Cephalalgia</i> , <b>2019</b> , 39, 988-999	6.1	4
432	Human consciousness is supported by dynamic complex patterns of brain signal coordination. <i>Science Advances</i> , <b>2019</b> , 5, eaat7603	14.3	147

431	Diagnostic accuracy of the CRS-R index in patients with disorders of consciousness. <i>Brain Injury</i> , <b>2019</b> , 33, 1409-1412	2.1	20
430	Effect of multichannel transcranial direct current stimulation to reduce hypertonia in individuals with prolonged disorders of consciousness: A randomized controlled pilot study. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2019</b> , 62, 418-425	3.8	10
429	Alterations of Functional Brain Connectivity After Long-Duration Spaceflight as Revealed by fMRI. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 761	4.6	33
428	Measures of CNS-Autonomic Interaction and Responsiveness in Disorder of Consciousness. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 530	5.1	15
427	Resting-state functional connectivity and cortical thickness characterization of a patient with Charles Bonnet syndrome. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219656	3.7	5
426	Modulation of the spontaneous hemodynamic response function across levels of consciousness. <i>NeuroImage</i> , <b>2019</b> , 200, 450-459	7.9	9
425	Detecting Brain Activity Following a Verbal Command in Patients With Disorders of Consciousness. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 976	5.1	1
424	A Graph Signal Processing Approach to Study High Density EEG Signals in Patients with Disorders of Consciousness. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2019</b> , 2019, 4543-4553	0.9	5
423	Zolpidem Action During Prolonged Disorders of Consciousness (Case Report). <i>Obshchaya Reanimatologiya</i> , <b>2019</b> , 15, 44-60	0.8	0
422	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , <b>2019</b> , 3, 104-107	12.8	28
421	The Initiation of Swallowing Can Indicate the Prognosis of Disorders of Consciousness: A Self-Controlled Study. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 1184	4.1	3
420	Changes in Whole Brain Dynamics and Connectivity Patterns during Sevoflurane- and Propofol-induced Unconsciousness Identified by Functional Magnetic Resonance Imaging. <i>Anesthesiology</i> , <b>2019</b> , 130, 898-911	4.3	24
419	Clinical and electrophysiological investigation of spastic muscle overactivity in patients with disorders of consciousness following severe brain injury. <i>Clinical Neurophysiology</i> , <b>2019</b> , 130, 207-213	4.3	3
418	The spectral exponent of the resting EEG indexes the presence of consciousness during unresponsiveness induced by propofol, xenon, and ketamine. <i>NeuroImage</i> , <b>2019</b> , 189, 631-644	7.9	62
417	Heart Rate Variability as an Indicator of Nociceptive Pain in Disorders of Consciousness?. <i>Journal of Pain and Symptom Management</i> , <b>2019</b> , 57, 47-56	4.8	9
416	Is oral feeding compatible with an unresponsive wakefulness syndrome?. <i>Journal of Neurology</i> , <b>2018</b> , 265, 954-961	5.5	11
415	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. <i>Lancet Neurology</i> , <b>2018</b> , 17, 317-326	24.1	63
414	Regional brain volumetry and brain function in severely brain-injured patients. <i>Annals of Neurology</i> , <b>2018</b> , 83, 842-853	9.4	19



413	Resistance to eye opening in patients with disorders of consciousness. <i>Journal of Neurology</i> , <b>2018</b> , 265, 1376-1380	5.5	6
412	The Influence of Traumatic Axonal Injury in Thalamus and Brainstem on Level of Consciousness at Scene or Admission: A Clinical Magnetic Resonance Imaging Study. <i>Journal of Neurotrauma</i> , <b>2018</b> , 35, 975-984	5.4	18
411	Transcranial direct current stimulation unveils covert consciousness. <i>Brain Stimulation</i> , <b>2018</b> , 11, 642-644	5.1	4
410	Comfort in palliative sedation (Compas): a transdisciplinary mixed method study protocol for linking objective assessments to subjective experiences. <i>BMC Palliative Care</i> , <b>2018</b> , 17, 62	3	11
409	Assessment of Nociception and Pain in Participants in an Unresponsive or Minimally Conscious State After Acquired Brain Injury: The Relation Between the Coma Recovery Scale-Revised and the Nociception Coma Scale-Revised. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2018</b> , 99, 1755-1762	2.8	14
408	Functional 'unlocking': bedside detection of covert awareness after severe brain damage. <i>Brain</i> , <b>2018</b> , 141, 1239-1241	11.2	3
407	Ultra-slow mechanical stimulation of olfactory epithelium modulates consciousness by slowing cerebral rhythms in humans. <i>Scientific Reports</i> , <b>2018</b> , 8, 6581	4.9	22
406	Physical therapy in patients with disorders of consciousness: Impact on spasticity and muscle contracture. <i>NeuroRehabilitation</i> , <b>2018</b> , 42, 199-205	2	8
405	Toward an Attention-Based Diagnostic Tool for Patients With Locked-in Syndrome. <i>Clinical EEG and Neuroscience</i> , <b>2018</b> , 49, 122-135	2.3	10
404	Prevalence of coma-recovery scale-revised signs of consciousness in patients in minimally conscious state. <i>Neuropsychological Rehabilitation</i> , <b>2018</b> , 28, 1350-1359	3.1	33
403	False memory susceptibility in coma survivors with and without a near-death experience. <i>Psychological Research</i> , <b>2018</b> , 82, 806-818	2.5	9
402	Diagnostic, pronostic et traitements des troubles de la conscience. <i>NPG Neurologie - Psychiatrie - Geriatrie</i> , <b>2018</b> , 18, 47-59	0.1	1
401	Early Functional Connectome Integrity and 1-Year Recovery in Comatose Survivors of Cardiac Arrest. <i>Radiology</i> , <b>2018</b> , 287, 247-255	20.5	24
400	Multifaceted brain networks reconfiguration in disorders of consciousness uncovered by co-activation patterns. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 89-103	5.9	23
399	Near-Death Experiences: Actual Considerations <b>2018</b> , 235-263		4
398	Future Perspectives of Clinical Coma Science <b>2018</b> , 265-269		
397	How Does Spasticity Affect Patients with Disorders of Consciousness? <b>2018</b> , 119-135		2
396	Fantasy Proneness Correlates With the Intensity of Near-Death Experience. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 190	5	16

395	BCI Performance and Brain Metabolism Profile in Severely Brain-Injured Patients Without Response to Command at Bedside. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 370	5.1	13
394	Assessing Command-Following and Communication With Vibro-Tactile P300 Brain-Computer Interface Tools in Patients With Unresponsive Wakefulness Syndrome. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 423	5.1	20
393	Personalized objects can optimize the diagnosis of EMCS in the assessment of functional object use in the CRS-R: a double blind, randomized clinical trial. <i>BMC Neurology</i> , <b>2018</b> , 18, 38	3.1	9
392	Randomized controlled trial of home-based 4-week tDCS in chronic minimally conscious state. <i>Brain Stimulation</i> , <b>2018</b> , 11, 982-990	5.1	47
391	Impact of Global Mean Normalization on Regional Glucose Metabolism in the Human Brain. <i>Neural Plasticity</i> , <b>2018</b> , 2018, 6120925	3.3	6
390	Propofol-induced unresponsiveness is associated with impaired feedforward connectivity in cortical hierarchy. <i>British Journal of Anaesthesia</i> , <b>2018</b> , 121, 1084-1096	5.4	20
389	A Heartbeat Away From Consciousness: Heart Rate Variability Entropy Can Discriminate Disorders of Consciousness and Is Correlated With Resting-State fMRI Brain Connectivity of the Central Autonomic Network. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 769	4.1	27
388	DMT Models the Near-Death Experience. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 1424	3.4	62
387	Performance Differences Using a Vibro-Tactile P300 BCI in LIS-Patients Diagnosed With Stroke and ALS. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 514	5.1	5
386	Comprehensive Systematic Review Update Summary: Disorders of Consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2018</b> , 99, 1699-1708	2.8	33
385	Practice Guideline Update Recommendations Summary: Disorders of Consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2018</b> , 99, 1699-1708	2.8	71
384	Practice guideline update recommendations summary: Disorders of consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research. <i>Neurology</i> , <b>2018</b> , 91, 461-470	6.5	204
383	Comprehensive systematic review update summary: Disorders of consciousness: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology; the American Congress of Rehabilitation Medicine; and the National Institute on Disability, Independent Living, and Rehabilitation Research. <i>Neurology</i> , <b>2018</b> , 91, 461-470	6.5	64
382	Sleep in patients with disorders of consciousness characterized by means of machine learning. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190458	3.7	26
381	Qualitative thematic analysis of the phenomenology of near-death experiences. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193001	3.7	43
380	Global structural integrity and effective connectivity in patients with disorders of consciousness. <i>Brain Stimulation</i> , <b>2018</b> , 11, 358-365	5.1	26
379	Evoked Alpha Power is Reduced in Disconnected Consciousness During Sleep and Anesthesia. <i>Scientific Reports</i> , <b>2018</b> , 8, 16664	4.9	12
378	Deep Neural Networks for Automatic Classification of Anesthetic-Induced Unconsciousness. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 216-225	0.9	2

377	Robust EEG-based cross-site and cross-protocol classification of states of consciousness. <i>Brain</i> , <b>2018</b> , 141, 3179-3192	11.2	103
376	Conscious While Being Considered in an Unresponsive Wakefulness Syndrome for 20 Years. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 671	4.1	8
375	Sleep-like cortical OFF-periods disrupt causality and complexity in the brain of unresponsive wakefulness syndrome patients. <i>Nature Communications</i> , <b>2018</b> , 9, 4427	17.4	53
374	Brain Tissue-Volume Changes in Cosmonauts. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 1678-1680	59.2	62
373	Theta network centrality correlates with tDCS response in disorders of consciousness. <i>Brain Stimulation</i> , <b>2018</b> , 11, 1407-1409	5.1	13
372	Brain, Behavior, and Cognitive Interplay in Disorders of Consciousness: A Multiple Case Study. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 665	4.1	10
371	Meditation-induced modulation of brain response to transcranial magnetic stimulation. <i>Brain Stimulation</i> , <b>2018</b> , 11, 1397-1400	5.1	7
370	When is "brainstem death" brain death? The case for ancillary testing in primary infratentorial brain lesion. <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 2451-2465	4.3	20
369	Clinical subcategorization of minimally conscious state according to resting functional connectivity. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4519-4532	5.9	17
368	"Look at my classifier's result": Disentangling unresponsive from (minimally) conscious patients. <i>NeuroImage</i> , <b>2017</b> , 145, 288-303	7.9	28
367	Mapping the functional connectome traits of levels of consciousness. <i>NeuroImage</i> , <b>2017</b> , 148, 201-211	7.9	73
366	Tracking Dynamic Interactions Between Structural and Functional Connectivity: A TMS/EEG-dMRI Study. <i>Brain Connectivity</i> , <b>2017</b> , 7, 84-97	2.7	17
365	Chinese translation of the Coma Recovery Scale-Revised. <i>Brain Injury</i> , <b>2017</b> , 31, 363-365	2.1	9
364	A method for independent component graph analysis of resting-state fMRI. <i>Brain and Behavior</i> , <b>2017</b> , 7, e00626	3.4	13
363	Multivariate Functional Network Connectivity for Disorders of Consciousness. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 434-442	0.9	
362	Controlled clinical trial of repeated prefrontal tDCS in patients with chronic minimally conscious state. <i>Brain Injury</i> , <b>2017</b> , 31, 466-474	2.1	71
361	Measures of metabolism and complexity in the brain of patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , <b>2017</b> , 14, 354-362	5.3	78
360	Repeated stimulation of the posterior parietal cortex in patients in minimally conscious state: A sham-controlled randomized clinical trial. <i>Brain Stimulation</i> , <b>2017</b> , 10, 718-720	5.1	19

359	Enhancing clinical communication assessments using an audiovisual BCI for patients with disorders of consciousness. <i>Journal of Neural Engineering</i> , <b>2017</b> , 14, 046024	5	17
358	Brain Gray Matter MRI Morphometry for Neuroprognostication After Cardiac Arrest. <i>Critical Care Medicine</i> , <b>2017</b> , 45, e763-e771	1.4	9
357	Sleep, Coma, Vegetative and Minimally Conscious States <b>2017</b> , 901-913		0
356	Ising model with conserved magnetization on the human connectome: Implications on the relation structure-function in wakefulness and anesthesia. <i>Chaos</i> , <b>2017</b> , 27, 047407	3.3	22
355	The effect of spaceflight and microgravity on the human brain. <i>Journal of Neurology</i> , <b>2017</b> , 264, 18-22	5.5	66
354	Effects of preference and sensory modality on behavioural reaction in patients with disorders of consciousness. <i>Brain Injury</i> , <b>2017</b> , 31, 1307-1311	2.1	11
353	The repetition of behavioral assessments in diagnosis of disorders of consciousness. <i>Annals of Neurology</i> , <b>2017</b> , 81, 883-889	9.4	134
352	Objective assessment of visual pursuit in patients with disorders of consciousness: an exploratory study. <i>Journal of Neurology</i> , <b>2017</b> , 264, 928-937	5.5	9
351	Altered functional brain connectivity in patients with visually induced dizziness. <i>NeuroImage: Clinical</i> , <b>2017</b> , 14, 538-545	5.3	34
350	Brain plasticity after implanted peroneal nerve electrical stimulation to improve gait in chronic stroke patients: Two case reports. <i>NeuroRehabilitation</i> , <b>2017</b> , 40, 251-258	2	11
349	Altered States of Consciousness after Brain Injury <b>2017</b> , 662-681		
348	Mirror efficiency in the assessment of visual pursuit in patients in minimally conscious state. <i>Brain Injury</i> , <b>2017</b> , 31, 1429-1435	2.1	12
347	Brain functional connectivity differentiates dexmedetomidine from propofol and natural sleep. <i>British Journal of Anaesthesia</i> , <b>2017</b> , 119, 674-684	5.4	46
346	Assessment of needs, psychological impact and quality of life in families of patients with locked-in syndrome. <i>Brain Injury</i> , <b>2017</b> , 31, 1590-1596	2.1	5
345	Sedation of Patients With Disorders of Consciousness During Neuroimaging: Effects on Resting State Functional Brain Connectivity. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 124, 588-598	3.9	24
344	Intrinsic functional connectivity reduces after first-time exposure to short-term gravitational alterations induced by parabolic flight. <i>Scientific Reports</i> , <b>2017</b> , 7, 3061	4.9	10
343	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , <i>The</i> , <b>2017</b> , 16, 987-1048	24.1	851
342	Spaceflight-induced neuroplasticity in humans as measured by MRI: what do we know so far?. <i>Npj Microgravity</i> , <b>2017</b> , 3, 2	5.3	25

341	Intensity and memory characteristics of near-death experiences. <i>Consciousness and Cognition</i> , <b>2017</b> , 56, 120-127	2.6	11
340	Brain networks predict metabolism, diagnosis and prognosis at the bedside in disorders of consciousness. <i>Brain</i> , <b>2017</b> , 140, 2120-2132	11.2	126
339	Cerebral metabolism before and after external trigeminal nerve stimulation in episodic migraine. <i>Cephalalgia</i> , <b>2017</b> , 37, 881-891	6.1	49
338	MindBEAGLE I: A new system for the assessment and communication with patients with disorders of consciousness and complete locked-in syndrome <b>2017</b> ,		4
337	Unresponsive Wakefulness Syndrome (Vegetative State) and Related States <b>2017</b> ,		
336	Spasticity Management in Disorders of Consciousness. <i>Brain Sciences</i> , <b>2017</b> , 7,	3.4	12
335	Temporality of Features in Near-Death Experience Narratives. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 311	3.3	20
334	Testing Proposed Neuronal Models of Effective Connectivity Within the Cortico-basal Ganglia-thalamo-cortical Loop During Loss of Consciousness. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 2727-2738	5.1	28
333	The Neurology of Consciousness <b>2016</b> , 407-461		9
332	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2985-97	4	59
331	Cortical reorganization in an astronaut's brain after long-duration spaceflight. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2873-6	4	66
330	Towards new methods of diagnosis in disorders of consciousness - Authors' reply. <i>Lancet Neurology</i> , <b>2016</b> , 15, 1115-6	24.1	6
329	Electromyographic decoding of response to command in disorders of consciousness. <i>Neurology</i> , <b>2016</b> , 87, 2099-2107	6.5	13
328	A human brain network derived from coma-causing brainstem lesions. <i>Neurology</i> , <b>2016</b> , 87, 2427-2434	6.5	118
327	Resting-state Network-specific Breakdown of Functional Connectivity during Ketamine Alteration of Consciousness in Volunteers. <i>Anesthesiology</i> , <b>2016</b> , 125, 873-888	4.3	111
326	Visual Fixation in the ICU: A Strong Predictor of Long-Term Recovery After Moderate-to-Severe Traumatic Brain Injury. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e1186-e1193	1.4	7
325	Is the Nociception Coma Scale-Revised a Useful Clinical Tool for Managing Pain in Patients With Disorders of Consciousness?. <i>Clinical Journal of Pain</i> , <b>2016</b> , 32, 321-6	3.5	23
324	A new computer vision-based system to help clinicians objectively assess visual pursuit with the moving mirror stimulus for the diagnosis of minimally conscious state <b>2016</b> ,		2

323	EEG ultradian rhythmicity differences in disorders of consciousness during wakefulness. <i>Journal of Neurology</i> , <b>2016</b> , 263, 1746-60	5.5	52
322	Large-scale signatures of unconsciousness are consistent with a departure from critical dynamics. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13, 20151027	4.1	100
321	Behavioral Responsiveness in Patients with Disorders of Consciousness <b>2016</b> , 25-36		
320	The Assessment of Conscious Awareness in the Vegetative State <b>2016</b> , 155-166		2
319	Consciousness in the Locked-In Syndrome <b>2016</b> , 187-202		
318	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. <i>Brain Connectivity</i> , <b>2016</b> , 6, 225-37	2.7	34
317	Measuring Consciousness Through Imaging <b>2016</b> , 51-65		3
316	Correlation between resting state fMRI total neuronal activity and PET metabolism in healthy controls and patients with disorders of consciousness. <i>Brain and Behavior</i> , <b>2016</b> , 6, e00424	3.4	26
315	Structural brain injury in patients with disorders of consciousness: A voxel-based morphometry study. <i>Brain Injury</i> , <b>2016</b> , 30, 343-52	2.1	25
314	Detection and Interpretation of Impossible and Improbable Coma Recovery Scale-Revised Scores. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2016</b> , 97, 1295-1300.e4	2.8	19
313	BCIs for DOC Patients: Assessment, Communication, and New Directions. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 62-71	0.9	1
312	Traumatic Brain Damage: Severe Brain Damage: Coma and Disorders of Consciousness <b>2016</b> , 3341-3368		
311	Functional Connectivity Substrates for tDCS Response in Minimally Conscious State Patients. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 257	6.1	21
310	Cognitive Processing in Non-Communicative Patients: What Can Event-Related Potentials Tell Us?. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 569	3.3	11
309	Outcome Prediction of Consciousness Disorders in the Acute Stage Based on a Complementary Motor Behavioural Tool. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156882	3.7	33
308	The Role of Neuroimaging Techniques in Establishing Diagnosis, Prognosis and Therapy in Disorders of Consciousness. <i>Open Neuroimaging Journal</i> , <b>2016</b> , 10, 52-68	0.1	28
307	Positron Emission Tomography: Basic Principles, New Applications, and Studies Under Anesthesia. <i>International Anesthesiology Clinics</i> , <b>2016</b> , 54, 109-28	0.6	4
306	Function-structure connectivity in patients with severe brain injury as measured by MRI-DWI and FDG-PET. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 3707-3720	5.9	25



305	The Minimal Energetic Requirement of Sustained Awareness after Brain Injury. <i>Current Biology</i> , <b>2016</b> , 26, 1494-9	6.3	61
304	Neural correlates of consciousness in patients who have emerged from a minimally conscious state: a cross-sectional multimodal imaging study. <i>Lancet Neurology</i> , <b>2016</b> , 15, 830-842	24.1	127
303	Stratification of unresponsive patients by an independently validated index of brain complexity. <i>Annals of Neurology</i> , <b>2016</b> , 80, 718-729	9.4	180
302	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , <b>2015</b> , 138, 2619-31	11.2	183
301	Beyond the gaze: Communicating in chronic locked-in syndrome. <i>Brain Injury</i> , <b>2015</b> , 29, 1056-61	2.1	13
300	Consciousness: And Disorders of Consciousness <b>2015</b> , 1067-1073		
299	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. <i>Annals of Neurology</i> , <b>2015</b> , 78, 68-76	9.4	98
298	Dynamic functional network connectivity using distance correlation <b>2015</b> ,		3
297	Near-Death Experiences in patients with locked-in syndrome: Not always a blissful journey. <i>Consciousness and Cognition</i> , <b>2015</b> , 34, 28-32	2.6	14
296	The use of hypnosis in severe brain injury rehabilitation: a case report. <i>Acta Neurologica Belgica</i> , <b>2015</b> , 115, 771-2	1.5	4
295	Impact of soft splints on upper limb spasticity in chronic patients with disorders of consciousness: A randomized, single-blind, controlled trial. <i>Brain Injury</i> , <b>2015</b> , 29, 830-6	2.1	14
294	Clinical Response to tDCS Depends on Residual Brain Metabolism and Grey Matter Integrity in Patients With Minimally Conscious State. <i>Brain Stimulation</i> , <b>2015</b> , 8, 1116-23	5.1	59
293	Investigating dynamical information transfer in the brain following a TMS pulse: Insights from structural architecture. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 5396-9	0.9	1
292	Consciousness and Complexity during Unresponsiveness Induced by Propofol, Xenon, and Ketamine. <i>Current Biology</i> , <b>2015</b> , 25, 3099-105	6.3	189
291	Quantitative rates of brain glucose metabolism distinguish minimally conscious from vegetative state patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 58-65	7.3	72
290	The vegetative state: prevalence, misdiagnosis, and treatment limitations. <i>Journal of the American Medical Directors Association</i> , <b>2015</b> , 16, 85.e9-85.e14	5.9	68
289	On the cerebral origin of EEG responses to TMS: insights from severe cortical lesions. <i>Brain Stimulation</i> , <b>2015</b> , 8, 142-9	5.1	55
288	Impact of aphasia on consciousness assessment: a cross-sectional study. <i>Neurorehabilitation and Neural Repair</i> , <b>2015</b> , 29, 41-7	4.7	30

287	Detecting number processing and mental calculation in patients with disorders of consciousness using a hybrid brain-computer interface system. <i>BMC Neurology</i> , <b>2015</b> , 15, 259	3.1	21
286	Preserved covert cognition in noncommunicative patients with severe brain injury?. <i>Neurorehabilitation and Neural Repair</i> , <b>2015</b> , 29, 308-17	4.7	35
285	Functional resting state networks characterization through global network measurements for patients with disorders of consciousness <b>2015</b> ,		1
284	Breakthrough in cardiac arrest: reports from the 4th Paris International Conference. <i>Annals of Intensive Care</i> , <b>2015</b> , 5, 22	8.9	20
283	Thinking on patients' behalf: attitudes of healthcare providers towards medico-ethical issues in non-communicating patients. <i>Jahrbuch Für Wissenschaft Und Ethik</i> , <b>2015</b> , 19, 147-162	4	
282	Prevalence of increases in functional connectivity in visual, somatosensory and language areas in congenital blindness. <i>Frontiers in Neuroanatomy</i> , <b>2015</b> , 9, 86	3.6	20
281	Complexity of Multi-Dimensional Spontaneous EEG Decreases during Propofol Induced General Anaesthesia. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133532	3.7	138
280	Exploration of Functional Connectivity During Preferred Music Stimulation in Patients with Disorders of Consciousness. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 1704	3.4	24
279	Detection of Consciousness in the Severely Injured Brain. <i>Annual Update in Intensive Care and Emergency Medicine</i> , <b>2015</b> , 495-506	0.2	2
278	Cerebral response to subject's own name showed high prognostic value in traumatic vegetative state. <i>BMC Medicine</i> , <b>2015</b> , 13, 83	11.4	34
277	Cognitive auditory evoked potentials in coma: can you hear me?. <i>Brain</i> , <b>2015</b> , 138, 1129-37	11.2	5
276	Thalamic volume as a biomarker for disorders of consciousness <b>2015</b> ,		3
275	Hypnosis modulates behavioural measures and subjective ratings about external and internal awareness. <i>Journal of Physiology (Paris)</i> , <b>2015</b> , 109, 173-179		14
274	Retrieving the Hemodynamic Response Function in resting state fMRI: Methodology and application. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 6050-3	0.9	6
273	Cerebral responses and role of the prefrontal cortex in conditioned pain modulation: an fMRI study in healthy subjects. <i>Behavioural Brain Research</i> , <b>2015</b> , 281, 187-98	3.4	44
272	Externalization of consciousness. Scientific possibilities and clinical implications. <i>Current Topics in Behavioral Neurosciences</i> , <b>2015</b> , 19, 205-22	3.4	9
271	Brain stimulation in patients with disorders of consciousness. <i>Principles and Practice of Clinical Research Journal</i> , <b>2015</b> , 1, 65-72	1	4
270	Brain-Computer Interface for Assessing Consciousness in Severely Brain-Injured Patients <b>2015</b> , 133-148		5

269	Detecting Levels of Consciousness <b>2015</b> , 665-677		2
268	Imaging Correlations in Non-communicating Patients <b>2015</b> , 149-157		
267	The Chronic Clinical Setting <b>2015</b> , 95-105		
266	The scientific study of coma and related states. <i>Advances in Consciousness Research</i> , <b>2015</b> , 48-80		
265	Spasticity in disorders of consciousness: a behavioral study. <i>European Journal of Physical and Rehabilitation Medicine</i> , <b>2015</b> , 51, 389-97	4.4	23
264	How electroencephalography serves the anesthesiologist. <i>Clinical EEG and Neuroscience</i> , <b>2014</b> , 45, 22-32.	2.3	33
263	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. <i>Lancet, The</i> , <b>2014</b> , 384, 514-22	4.0	299
262	Functional neuroanatomy of disorders of consciousness. <i>Epilepsy and Behavior</i> , <b>2014</b> , 30, 28-32	3.2	63
261	Multiple fMRI system-level baseline connectivity is disrupted in patients with consciousness alterations. <i>Cortex</i> , <b>2014</b> , 52, 35-46	3.8	134
260	Assessing consciousness in coma and related states using transcranial magnetic stimulation combined with electroencephalography. <i>Annales Francaises DAnesthesie Et De Reanimation</i> , <b>2014</b> , 33, 65-71		26
259	Quantifying cortical EEG responses to TMS in (un)consciousness. <i>Clinical EEG and Neuroscience</i> , <b>2014</b> , 45, 40-9	2.3	77
258	Pain issues in disorders of consciousness. <i>Brain Injury</i> , <b>2014</b> , 28, 1202-8	2.1	55
257	Predicting outcome from subacute unresponsive wakefulness syndrome or vegetative state. <i>Critical Care</i> , <b>2014</b> , 18, 132	10.8	3
256	Recent advances in disorders of consciousness: focus on the diagnosis. <i>Brain Injury</i> , <b>2014</b> , 28, 1141-50	2.1	76
255	The Glasgow Coma Scale: time for critical reappraisal?. <i>Lancet Neurology, The</i> , <b>2014</b> , 13, 755-7	24.1	26
254	tDCS in patients with disorders of consciousness: sham-controlled randomized double-blind study. <i>Neurology</i> , <b>2014</b> , 82, 1112-8	6.5	184
253	Measuring consciousness in severely damaged brains. <i>Annual Review of Neuroscience</i> , <b>2014</b> , 37, 457-78	17	93
252	Volitional electromyographic responses in disorders of consciousness. <i>Brain Injury</i> , <b>2014</b> , 28, 1171-9	2.1	23

251	Évaluation pronostique du devenir neurologique après arrêt cardiaque ressuscité par IRM en tenseur de diffusion. Étude prospective multicentrique. <i>Annales Françaises D'Anesthésie Et De Réanimation</i> , <b>2014</b> , 33, A29-A30		2
250	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <i>NeuroImage: Clinical</i> , <b>2014</b> , 4, 240-8	5.3	82
249	Neurophysiology of hypnosis. <i>Neurophysiologie Clinique</i> , <b>2014</b> , 44, 343-53	2.7	72
248	Disorders of consciousness after acquired brain injury: the state of the science. <i>Nature Reviews Neurology</i> , <b>2014</b> , 10, 99-114	15	417
247	Biased binomial assessment of cross-validated estimation of classification accuracies illustrated in diagnosis predictions. <i>NeuroImage: Clinical</i> , <b>2014</b> , 4, 687-94	5.3	92
246	Near-death experiences in non-life-threatening events and coma of different etiologies. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 203	3.3	41
245	Changes in cerebral metabolism in patients with a minimally conscious state responding to zolpidem. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 917	3.3	35
244	Detection of response to command using voluntary control of breathing in disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 1020	3.3	14
243	An independent SSVEP-based brain-computer interface in locked-in syndrome. <i>Journal of Neural Engineering</i> , <b>2014</b> , 11, 035002	5	77
242	A European survey on attitudes towards pain and end-of-life issues in locked-in syndrome. <i>Brain Injury</i> , <b>2014</b> , 28, 1209-15	2.1	22
241	Detecting awareness in patients with disorders of consciousness using a hybrid brain-computer interface. <i>Journal of Neural Engineering</i> , <b>2014</b> , 11, 056007	5	54
240	Current knowledge on severe acquired brain injury with disorders of consciousness. <i>Brain Injury</i> , <b>2014</b> , 28, 1139-40	2.1	0
239	Highlighting the structure-function relationship of the brain with the Ising model and graph theory. <i>BioMed Research International</i> , <b>2014</b> , 2014, 237898	3	18
238	Detection of visual pursuit in patients in minimally conscious state: a matter of stimuli and visual plane?. <i>Brain Injury</i> , <b>2014</b> , 28, 1164-70	2.1	26
237	PET Imaging in Altered States of Consciousness: Coma, Sleep, and Hypnosis <b>2014</b> , 965-986		
236	A method for functional network connectivity using distance correlation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 2793-6	0.9	5
235	White matter changes in comatose survivors of anoxic ischemic encephalopathy and traumatic brain injury: comparative diffusion-tensor imaging study. <i>Radiology</i> , <b>2014</b> , 270, 506-16	20.5	37
234	The vegetative state/unresponsive wakefulness syndrome: a systematic review of prevalence studies. <i>European Journal of Neurology</i> , <b>2014</b> , 21, 1361-8	6	48

233	A tactile Brain-Computer Interface for severely disabled patients <b>2014</b> ,		10
232	Transcranial magnetic stimulation combined with high-density EEG in altered states of consciousness. <i>Brain Injury</i> , <b>2014</b> , 28, 1180-9	2.1	29
231	Nociception coma scale-revised scores correlate with metabolism in the anterior cingulate cortex. <i>Neurorehabilitation and Neural Repair</i> , <b>2014</b> , 28, 149-52	4.7	26
230	Assessment of visual fixation in vegetative and minimally conscious states. <i>BMC Neurology</i> , <b>2014</b> , 14, 147	3.1	25
229	Regional cerebral metabolic patterns demonstrate the role of anterior forebrain mesocircuit dysfunction in the severely injured brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6473-8	11.5	76
228	Automated analysis of background EEG and reactivity during therapeutic hypothermia in comatose patients after cardiac arrest. <i>Clinical EEG and Neuroscience</i> , <b>2014</b> , 45, 6-13	2.3	72
227	A vibrotactile p300-based brain-computer interface for consciousness detection and communication. <i>Clinical EEG and Neuroscience</i> , <b>2014</b> , 45, 14-21	2.3	61
226	Directed information transfer in scalp electroencephalographic recordings: insights on disorders of consciousness. <i>Clinical EEG and Neuroscience</i> , <b>2014</b> , 45, 33-9	2.3	28
225	The self and its resting state in consciousness: an investigation of the vegetative state. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1997-2008	5.9	72
224	Posterior cingulate cortex-related co-activation patterns: a resting state FMRI study in propofol-induced loss of consciousness. <i>PLoS ONE</i> , <b>2014</b> , 9, e100012	3.7	69
223	Measuring consciousness in coma and related states. <i>World Journal of Radiology</i> , <b>2014</b> , 6, 589-97	2.9	30
222	Technology-based assessment in patients with disorders of consciousness. <i>Annali Dell'istituto Superiore Di Sanita</i> , <b>2014</b> , 50, 209-20	1.6	9
221	Assessment of Patient Comfort During Palliative Sedation: Is it always Reliable? <b>2014</b> , 663-675		6
220	A BCI-Based Tool for Detection of Awareness and for Communication with Non-responsive Patients. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 527-535	0.9	3
219	Brain-Computer Interfaces and Diagnosis. <i>The International Library of Ethics, Law and Technology</i> , <b>2014</b> , 39-47	0.5	2
218	How Does Your Formulation of Lesion-Induced States of Diminished Consciousness Fit with AIM? Do You Suppose That Brain Stem Damage Affects Activation (A) and Modulation (M)? <i>Vienna Circle Institute Library</i> , <b>2014</b> , 101-109	1	
217	Amantadine, apomorphine and zolpidem in the treatment of disorders of consciousness. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 4167-84	3.3	21
216	Assessment of localisation to auditory stimulation in post-comatose states: use the patient's own name. <i>BMC Neurology</i> , <b>2013</b> , 13, 27	3.1	33

215	Actigraphy assessments of circadian sleep-wake cycles in the Vegetative and Minimally Conscious States. <i>BMC Medicine</i> , <b>2013</b> , 11, 18	11.4	47
214	Spasticity after stroke: physiology, assessment and treatment. <i>Brain Injury</i> , <b>2013</b> , 27, 1093-105	2.1	223
213	Sleep in the unresponsive wakefulness syndrome and minimally conscious state. <i>Journal of Neurotrauma</i> , <b>2013</b> , 30, 339-46	5.4	61
212	Reanalysis of "Bedside detection of awareness in the vegetative state: a cohort study" - Authors' reply. <i>Lancet, The</i> , <b>2013</b> , 381, 291-2	4.0	29
211	Neuroimaging of patients with disorders of consciousness: from bench to bedside?. <i>Future Neurology</i> , <b>2013</b> , 8, 601-603	1.5	
210	Electroencephalographic profiles for differentiation of disorders of consciousness. <i>BioMedical Engineering OnLine</i> , <b>2013</b> , 12, 109	4.1	39
209	Pupil responses allow communication in locked-in syndrome patients. <i>Current Biology</i> , <b>2013</b> , 23, R647-8	6.3	56
208	Consciousness supporting networks. <i>Current Opinion in Neurobiology</i> , <b>2013</b> , 23, 239-44	7.6	120
207	Brain dead yet mind alive: a positron emission tomography case study of brain metabolism in Cotard's syndrome. <i>Cortex</i> , <b>2013</b> , 49, 1997-9	3.8	20
206	Disorders of consciousness: are we ready for a paradigm shift?--authors' reply. <i>Lancet Neurology, The</i> , <b>2013</b> , 12, 132	24.1	1
205	Palliative sedation: why we should be more concerned about the risks that patients experience an uncomfortable death. <i>Pain</i> , <b>2013</b> , 154, 1505-1508	8	48
204	Pain Perception in Disorders of Consciousness: Neuroscience, Clinical Care, and Ethics in Dialogue. <i>Neuroethics</i> , <b>2013</b> , 6, 37-50	1.2	35
203	Traumatic Brain Damage <b>2013</b> , 2499-2528		
202	Thalamus, brainstem and salience network connectivity changes during propofol-induced sedation and unconsciousness. <i>Brain Connectivity</i> , <b>2013</b> , 3, 273-85	2.7	80
201	Probing command following in patients with disorders of consciousness using a brain-computer interface. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 101-6	4.3	154
200	Abnormal corticospinal excitability in patients with disorders of consciousness. <i>Brain Stimulation</i> , <b>2013</b> , 6, 590-7	5.1	28
199	Limbic hyperconnectivity in the vegetative state. <i>Neurology</i> , <b>2013</b> , 81, 1417-24	6.5	49
198	Dynamic change of global and local information processing in propofol-induced loss and recovery of consciousness. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003271	5	97



197	Consciousness and responsiveness: lessons from anaesthesia and the vegetative state. <i>Current Opinion in Anaesthesiology</i> , <b>2013</b> , 26, 444-9	2.9	22
196	Our rapidly changing understanding of acute and chronic disorders of consciousness: challenges for neurologists. <i>Future Neurology</i> , <b>2013</b> , 8, 43-54	1.5	14
195	Coma and disorders of consciousness: scientific advances and practical considerations for clinicians. <i>Seminars in Neurology</i> , <b>2013</b> , 33, 83-90	3.2	32
194	A theoretically based index of consciousness independent of sensory processing and behavior. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 198ra105	17.5	553
193	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. A Prospective Multicenter Cohort. <i>Survey of Anesthesiology</i> , <b>2013</b> , 57, 171-172		2
192	Coma and disorders of consciousness. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2013</b> , 118, 205-13	3	13
191	A comparison of two spelling Brain-Computer Interfaces based on visual P3 and SSVEP in Locked-In Syndrome. <i>PLoS ONE</i> , <b>2013</b> , 8, e73691	3.7	48
190	Consciousness in humans and non-human animals: recent advances and future directions. <i>Frontiers in Psychology</i> , <b>2013</b> , 4, 625	3.4	123
189	Looking for the self in pathological unconsciousness. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 538	3.3	23
188	Common resting brain dynamics indicate a possible mechanism underlying zolpidem response in severe brain injury. <i>ELife</i> , <b>2013</b> , 2, e01157	8.9	66
187	Effect of zolpidem in chronic disorders of consciousness: a prospective open-label study. <i>Functional Neurology</i> , <b>2013</b> , 28, 259-64	2.2	35
186	Characteristics of near-death experiences memories as compared to real and imagined events memories. <i>PLoS ONE</i> , <b>2013</b> , 8, e57620	3.7	65
185	Changes in effective connectivity by propofol sedation. <i>PLoS ONE</i> , <b>2013</b> , 8, e71370	3.7	23
184	Amantadine, Apomorphine and Zolpidem in the Treatment of Disorders of Consciousness. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 999, 11-12	3.3	4
183	Detecting Consciousness with a Brain-Computer Interface. <i>Biosystems and Biorobotics</i> , <b>2013</b> , 1261-1264	0.2	6
182	Quality of Life and End-of-Life Decisions After Brain Injury. <i>Social Indicators Research Series</i> , <b>2013</b> , 95-110	0.4	2
181	Neuroimaging of Consciousness in the Vegetative and Minimally Conscious States <b>2013</b> , 117-131		
180	Transcranial Magnetic Stimulation Coupled To EEG: A New Tool to Assess Brain Function in Coma <b>2013</b> , 807-817		

179	Disorders of consciousness: responding to requests for novel diagnostic and therapeutic interventions. <i>Lancet Neurology, The</i> , <b>2012</b> , 11, 732-8	24.1	73
178	What about pain in disorders of consciousness?. <i>AAPS Journal</i> , <b>2012</b> , 14, 437-44	3.7	50
177	Brain-computer interfacing in disorders of consciousness. <i>Brain Injury</i> , <b>2012</b> , 26, 1510-22	2.1	62
176	Relationship between etiology and covert cognition in the minimally conscious state. <i>Neurology</i> , <b>2012</b> , 78, 816-22	6.5	83
175	Brain connectivity in disorders of consciousness. <i>Brain Connectivity</i> , <b>2012</b> , 2, 1-10	2.7	69
174	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> , <b>2012</b> , 109, 5856-61	11.5	136
173	From armchair to wheelchair: how patients with a locked-in syndrome integrate bodily changes in experienced identity. <i>Consciousness and Cognition</i> , <b>2012</b> , 21, 431-7	2.6	48
172	Connectivity changes underlying spectral EEG changes during propofol-induced loss of consciousness. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 7082-90	6.6	219
171	A role for the default mode network in the bases of disorders of consciousness. <i>Annals of Neurology</i> , <b>2012</b> , 72, 335-43	9.4	171
170	Functional Imaging and Impaired Consciousness <b>2012</b> , 25-34		4
169	Prognosis of Patients with Altered State of Consciousness <b>2012</b> , 11-23		20
168	Connectivity graph analysis of the auditory resting state network in tinnitus. <i>Brain Research</i> , <b>2012</b> , 1485, 10-21	3.7	142
167	Coma and consciousness: paradigms (re)framed by neuroimaging. <i>NeuroImage</i> , <b>2012</b> , 61, 478-91	7.9	267
166	Granger causality analysis of steady-state electroencephalographic signals during propofol-induced anaesthesia. <i>PLoS ONE</i> , <b>2012</b> , 7, e29072	3.7	104
165	Resting state networks and consciousness: alterations of multiple resting state network connectivity in physiological, pharmacological, and pathological consciousness States. <i>Frontiers in Psychology</i> , <b>2012</b> , 3, 295	3.4	171
164	Metabolic activity in external and internal awareness networks in severely brain-damaged patients. <i>Journal of Rehabilitation Medicine</i> , <b>2012</b> , 44, 487-94	3.4	89
163	Identifying the default-mode component in spatial IC analyses of patients with disorders of consciousness. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 778-96	5.9	103
162	Functional neuroanatomy underlying the clinical subcategorization of minimally conscious state patients. <i>Journal of Neurology</i> , <b>2012</b> , 259, 1087-98	5.5	166

161	Nursing care of patients with disorders of consciousness. <i>Journal of Neuroscience Nursing</i> , <b>2012</b> , 44, 260-70	1.0	14
160	A sensitive scale to assess nociceptive pain in patients with disorders of consciousness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2012</b> , 83, 1233-7	5.5	69
159	DTI BASED STRUCTURAL DAMAGE CHARACTERIZATION FOR DISORDERS OF CONSCIOUSNESS. <i>Proceedings International Conference on Image Processing</i> , <b>2012</b> , 2012, 1257-1260	1.6	2
158	Burnout in healthcare workers managing chronic patients with disorders of consciousness. <i>Brain Injury</i> , <b>2012</b> , 26, 1493-9	2.1	37
157	Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. <i>Brain</i> , <b>2012</b> , 135, 1308-20	11.2	285
156	Mindsight: diagnostics in disorders of consciousness. <i>Critical Care Research and Practice</i> , <b>2012</b> , 2012, 624724	1.5	20
155	Assessment of white matter injury and outcome in severe brain trauma: a prospective multicenter cohort. <i>Anesthesiology</i> , <b>2012</b> , 117, 1300-10	4.3	104
154	Auditory resting-state network connectivity in tinnitus: a functional MRI study. <i>PLoS ONE</i> , <b>2012</b> , 7, e36222	3.7	145
153	Reduction in inter-hemispheric connectivity in disorders of consciousness. <i>PLoS ONE</i> , <b>2012</b> , 7, e37238	3.7	43
152	Resting-state EEG study of comatose patients: a connectivity and frequency analysis to find differences between vegetative and minimally conscious states. <i>Functional Neurology</i> , <b>2012</b> , 27, 41-7	2.2	102
151	Neural correlates of consciousness during general anesthesia using functional magnetic resonance imaging (fMRI). <i>Archives Italiennes De Biologie</i> , <b>2012</b> , 150, 155-63	1.1	40
150	A default mode of brain function in altered states of consciousness. <i>Archives Italiennes De Biologie</i> , <b>2012</b> , 150, 107-21	1.1	43
149	Electrophysiological investigations of brain function in coma, vegetative and minimally conscious patients. <i>Archives Italiennes De Biologie</i> , <b>2012</b> , 150, 122-39	1.1	43
148	Unresponsive wakefulness syndrome. <i>Archives Italiennes De Biologie</i> , <b>2012</b> , 150, 31-5	1.1	10
147	Where in the brain is pain? Evaluating painful experiences in non-communicative patients <b>2012</b> , 89-98		8
146	Unresponsiveness ≠ Unconsciousness. <i>Anesthesiology</i> , <b>2012</b> , 116, 946-59	4.3	254
145	Diffusion tensor imaging to predict long-term outcome after cardiac arrest: a bicentric pilot study. <i>Anesthesiology</i> , <b>2012</b> , 117, 1311-21	4.3	80
144	Two distinct neuronal networks mediate the awareness of environment and of self. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 570-8	3.1	281

143	Brain functional integration decreases during propofol-induced loss of consciousness. <i>NeuroImage</i> , <b>2011</b> , 57, 198-205	7.9	198
142	"Relevance vector machine" consciousness classifier applied to cerebral metabolism of vegetative and locked-in patients. <i>NeuroImage</i> , <b>2011</b> , 56, 797-808	7.9	62
141	Ethics in Disorders of Consciousness. <i>Annual Update in Intensive Care and Emergency Medicine</i> , <b>2011</b> , 675-682	6.8	2
140	Cognitive processes in disorders of consciousness as revealed by EEG time-frequency analyses. <i>Clinical Neurophysiology</i> , <b>2011</b> , 122, 2177-84	4.3	57
139	Hypnotic modulation of resting state fMRI default mode and extrinsic network connectivity. <i>Progress in Brain Research</i> , <b>2011</b> , 193, 309-22	2.9	74
138	Multimodal neuroimaging in patients with disorders of consciousness showing "functional hemispherectomy". <i>Progress in Brain Research</i> , <b>2011</b> , 193, 323-33	2.9	34
137	Preserved feedforward but impaired top-down processes in the vegetative state. <i>Science</i> , <b>2011</b> , 332, 858-62	33.3	370
136	Bedside detection of awareness in the vegetative state: a cohort study. <i>Lancet, The</i> , <b>2011</b> , 378, 2088-94	40	440
135	Propofol anesthesia and sleep: a high-density EEG study. <i>Sleep</i> , <b>2011</b> , 34, 283-91A	1.1	257
134	Assessment of consciousness with electrophysiological and neurological imaging techniques. <i>Current Opinion in Critical Care</i> , <b>2011</b> , 17, 146-51	3.5	30
133	Influence of anesthesia on cerebral blood flow, cerebral metabolic rate, and brain functional connectivity. <i>Current Opinion in Anaesthesiology</i> , <b>2011</b> , 24, 474-9	2.9	34
132	Disorders of Consciousness: Coma, Vegetative and Minimally Conscious States. <i>The Frontiers Collection</i> , <b>2011</b> , 29-55	0.3	30
131	Attitudes towards end-of-life issues in disorders of consciousness: a European survey. <i>Journal of Neurology</i> , <b>2011</b> , 258, 1058-65	5.5	116
130	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> , <b>2011</b> , 258, 1373-84	5.5	370
129	Comparison of the Full Outline of UnResponsiveness and Glasgow Liege Scale/Glasgow Coma Scale in an intensive care unit population. <i>Neurocritical Care</i> , <b>2011</b> , 15, 447-53	3.3	56
128	Central modulation in cluster headache patients treated with occipital nerve stimulation: an FDG-PET study. <i>BMC Neurology</i> , <b>2011</b> , 11, 25	3.1	112
127	Electrophysiological correlates of behavioural changes in vigilance in vegetative state and minimally conscious state. <i>Brain</i> , <b>2011</b> , 134, 2222-32	11.2	103
126	Disorders of consciousness: what's in a name?. <i>NeuroRehabilitation</i> , <b>2011</b> , 28, 3-14	2	51

125	Response to Comment on "Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State". <i>Science</i> , <b>2011</b> , 334, 1203-1203	33.3	44
124	A survey on self-assessed well-being in a cohort of chronic locked-in syndrome patients: happy majority, miserable minority. <i>BMJ Open</i> , <b>2011</b> , 1, e000039	3	116
123	Automated EEG entropy measurements in coma, vegetative state/unresponsive wakefulness syndrome and minimally conscious state. <i>Functional Neurology</i> , <b>2011</b> , 26, 25-30	2.2	83
122	Resting state activity in patients with disorders of consciousness. <i>Functional Neurology</i> , <b>2011</b> , 26, 37-43	2.2	53
121	Pronostic des patients r�cup�rant du coma <b>2011</b> , 17-29		3
120	Linking sleep and general anesthesia mechanisms: this is no walkover. <i>Acta Anaesthesiologica Belgica</i> , <b>2011</b> , 62, 161-71		9
119	Neural plasticity lessons from disorders of consciousness. <i>Frontiers in Psychology</i> , <b>2010</b> , 1, 245	3.4	10
118	Brain connectivity in pathological and pharmacological coma. <i>Frontiers in Systems Neuroscience</i> , <b>2010</b> , 4, 160	3.5	57
117	Assessment and detection of pain in noncommunicative severely brain-injured patients. <i>Expert Review of Neurotherapeutics</i> , <b>2010</b> , 10, 1725-31	4.3	46
116	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. <i>Brain</i> , <b>2010</b> , 133, 161-71	11.2	574
115	The vegetative state. <i>BMJ, The</i> , <b>2010</b> , 341, c3765	5.9	150
114	Sleep in disorders of consciousness. <i>Sleep Medicine Reviews</i> , <b>2010</b> , 14, 97-105	10.2	71
113	Willful modulation of brain activity in disorders of consciousness. <i>New England Journal of Medicine</i> , <b>2010</b> , 362, 579-89	59.2	937
112	Disorders of consciousness: Moving from passive to resting state and active paradigms. <i>Cognitive Neuroscience</i> , <b>2010</b> , 1, 193-203	1.7	15
111	Breakdown of within- and between-network resting state functional magnetic resonance imaging connectivity during propofol-induced loss of consciousness. <i>Anesthesiology</i> , <b>2010</b> , 113, 1038-53	4.3	462
110	Neuroimaging after coma. <i>Neuroradiology</i> , <b>2010</b> , 52, 15-24	3.2	45
109	The Nociception Coma Scale: a new tool to assess nociception in disorders of consciousness. <i>Pain</i> , <b>2010</b> , 148, 215-219	8	115
108	Unresponsive wakefulness syndrome: a new name for the vegetative state or apallic syndrome. <i>BMC Medicine</i> , <b>2010</b> , 8, 68	11.4	639

107	Anterior cingulate activity and the self in disorders of consciousness. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1993-2002	5.9	79
106	Visual fixation in the vegetative state: an observational case series PET study. <i>BMC Neurology</i> , <b>2010</b> , 10, 35	3.1	64
105	Functional Neuroimaging Approaches to the Changing Borders of Consciousness. <i>Journal of Psychophysiology</i> , <b>2010</b> , 24, 68-75	1	5
104	Another kind of 'BOLD Response': answering multiple-choice questions via online decoded single-trial brain signals. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 275-92	2.9	87
103	The problem of aphasia in the assessment of consciousness in brain-damaged patients. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 49-61	2.9	67
102	Reaching across the abyss: recent advances in functional magnetic resonance imaging and their potential relevance to disorders of consciousness. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 261-74	2.9	36
101	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> , <b>2009</b> , 177, 329-38 <sup>2.9</sup>		65
100	Diagnostic accuracy of the vegetative and minimally conscious state: clinical consensus versus standardized neurobehavioral assessment. <i>BMC Neurology</i> , <b>2009</b> , 9, 35	3.1	702
99	Neurophysiological correlates of hypnotic analgesia. <i>Contemporary Hypnosis</i> , <b>2009</b> , 26, 15-23		10
98	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> , <b>2009</b> , 30, 2393-400	5.9	245
97	Thought translation, tennis and Turing tests in the vegetative state. <i>Phenomenology and the Cognitive Sciences</i> , <b>2009</b> , 8, 361-370	1.5	11
96	Dualism persists in the science of mind. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1157, 1-9	6.5	51
95	Locked-in syndrome in children: report of five cases and review of the literature. <i>Pediatric Neurology</i> , <b>2009</b> , 41, 237-46	2.9	50
94	Magnetic resonance spectroscopy and diffusion tensor imaging in coma survivors: promises and pitfalls. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 215-29	2.9	39
93	Detecting consciousness in a total locked-in syndrome: an active event-related paradigm. <i>Neurocase</i> , <b>2009</b> , 15, 271-7	0.8	97
92	A new era of coma and consciousness science. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 399-411	2.9	44
91	Life can be worth living in locked-in syndrome. <i>Progress in Brain Research</i> , <b>2009</b> , 177, 339-51	2.9	121
90	Pain and non-pain processing during hypnosis: a thulium-YAG event-related fMRI study. <i>NeuroImage</i> , <b>2009</b> , 47, 1047-54	7.9	76



89	Consciousness in the Locked-in Syndrome <b>2009</b> , 191-203		10
88	Vegetative state. <i>Scholarpedia Journal</i> , <b>2009</b> , 4, 4163	1.5	3
87	Towards a Neuro-scientific Explanation of Near-death Experiences? <b>2009</b> , 961-968		2
86	Functional Neuroimaging <b>2009</b> , 31-42		8
85	Ethical Implications: Pain, Coma, and Related Disorders <b>2009</b> , 243-250		6
84	Towards a Neuro-scientific Explanation of Near-death Experiences? <b>2009</b> , 961-968		3
83	Perception of pain in the minimally conscious state with PET activation: an observational study. <i>Lancet Neurology</i> , <b>2008</b> , 7, 1013-20	24.1	331
82	A French validation study of the Coma Recovery Scale-Revised (CRS-R). <i>Brain Injury</i> , <b>2008</b> , 22, 786-92	2.1	104
81	Mismatch negativity to the patient's own name in chronic disorders of consciousness. <i>Neuroscience Letters</i> , <b>2008</b> , 448, 24-8	3.3	85
80	Is there anybody in there? Detecting awareness in disorders of consciousness. <i>Expert Review of Neurotherapeutics</i> , <b>2008</b> , 8, 1719-30	4.3	34
79	Neuroimaging and disorders of consciousness: envisioning an ethical research agenda. <i>American Journal of Bioethics</i> , <b>2008</b> , 8, 3-12	1.1	69
78	Measuring the effect of amantadine in chronic anoxic minimally conscious state. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2008</b> , 79, 225-7	5.5	53
77	Voluntary brain processing in disorders of consciousness. <i>Neurology</i> , <b>2008</b> , 71, 1614-20	6.5	775
76	The changing spectrum of coma. <i>Nature Clinical Practice Neurology</i> , <b>2008</b> , 4, 544-6		66
75	Diagnostic and prognostic use of bispectral index in coma, vegetative state and related disorders. <i>Brain Injury</i> , <b>2008</b> , 22, 926-31	2.1	84
74	Are we equal in death? Avoiding diagnostic error in brain death. <i>Neurology</i> , <b>2008</b> , 70, e14-5	6.5	16
73	Neuroimaging activation studies in the vegetative state: predictors of recovery?. <i>Clinical Medicine</i> , <b>2008</b> , 8, 502-7	1.9	82
72	Blink to visual threat does not herald consciousness in the vegetative state. <i>Neurology</i> , <b>2008</b> , 71, 1374-56.5		22

71	Locked-in: don't judge a book by its cover. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2008</b> , 79, 2	5.5	18
70	Assessment of visual pursuit in post-comatose states: use a mirror. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2008</b> , 79, 223	5.5	78
69	The effect of clonidine infusion on distribution of regional cerebral blood flow in volunteers. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 106, 899-909, table of contents	3.9	31
68	Brain function in physiologically, pharmacologically, and pathologically altered states of consciousness. <i>International Anesthesiology Clinics</i> , <b>2008</b> , 46, 131-46	0.6	35
67	Cognitive event-related potentials in comatose and post-comatose states. <i>Neurocritical Care</i> , <b>2008</b> , 8, 262-70	3.3	65
66	Cognitive function in the locked-in syndrome. <i>Journal of Neurology</i> , <b>2008</b> , 255, 323-30	5.5	101
65	Consciousness and cerebral baseline activity fluctuations. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 868-74	5.9	56
64	Intrinsic brain activity in altered states of consciousness: how conscious is the default mode of brain function?. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1129, 119-29	6.5	297
63	Quality of Life in Locked-in Syndrome Survivors. <i>Yearbook of Intensive Care and Emergency Medicine</i> , <b>2008</b> , 881-890		6
62	Revelations from the unconscious: studying residual brain function in coma and related states. <i>Bulletin Et Mémoires De L'Académie Royale De Médecine De Belgique</i> , <b>2008</b> , 163, 381-8; discussion 388-90		2
61	Self-consciousness in non-communicative patients. <i>Consciousness and Cognition</i> , <b>2007</b> , 16, 722-41; discussion 742-5	2.6	111
60	Eyes open, brain shut. <i>Scientific American</i> , <b>2007</b> , 296, 84-9	0.5	25
59	Cerebral response to patient's own name in the vegetative and minimally conscious states. <i>Neurology</i> , <b>2007</b> , 68, 895-9	6.5	254
58	Using functional magnetic resonance imaging to detect covert awareness in the vegetative state. <i>Archives of Neurology</i> , <b>2007</b> , 64, 1098-102		83
57	What is it like to be vegetative or minimally conscious?. <i>Current Opinion in Neurology</i> , <b>2007</b> , 20, 609-13	7.1	85
56	When thoughts become action: an fMRI paradigm to study volitional brain activity in non-communicative brain injured patients. <i>NeuroImage</i> , <b>2007</b> , 36, 979-92	7.9	247
55	Baseline brain activity fluctuations predict somatosensory perception in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12187-92	11.5	412
54	Functional neuroanatomy of the hypnotic state. <i>Journal of Physiology (Paris)</i> , <b>2006</b> , 99, 463-9		120

53	Does the FOUR score correctly diagnose the vegetative and minimally conscious states?. <i>Annals of Neurology</i> , <b>2006</b> , 60, 744-5; author reply 745	9.4	85
52	Orbitofrontal cortex involvement in chronic analgesic-overuse headache evolving from episodic migraine. <i>Brain</i> , <b>2006</b> , 129, 543-50	11.2	224
51	Brain response to one's own name in vegetative state, minimally conscious state, and locked-in syndrome. <i>Archives of Neurology</i> , <b>2006</b> , 63, 562-9		858
50	Short article one's own face is hard to ignore. <i>Quarterly Journal of Experimental Psychology</i> , <b>2006</b> , 59, 46-52	1.8	100
49	Detecting awareness in the vegetative state. <i>Science</i> , <b>2006</b> , 313, 1402	33.3	1037
48	Cytology and functionally correlated circuits of human posterior cingulate areas. <i>NeuroImage</i> , <b>2006</b> , 29, 452-66	7.9	381
47	Functional neuroimaging applications for assessment and rehabilitation planning in patients with disorders of consciousness. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2006</b> , 87, S67-76	2.8	136
46	Offline persistence of memory-related cerebral activity during active wakefulness. <i>PLoS Biology</i> , <b>2006</b> , 4, e100	9.7	169
45	Tracking the recovery of consciousness from coma. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1823-5	15.9	86
44	How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?. <i>Current Opinion in Neurology</i> , <b>2006</b> , 19, 520-7	7.1	64
43	Behavioral evaluation of consciousness in severe brain damage. <i>Progress in Brain Research</i> , <b>2005</b> , 150, 397-413	2.9	165
42	Self-referential reflective activity and its relationship with rest: a PET study. <i>NeuroImage</i> , <b>2005</b> , 25, 616-24	7.9	403
41	Cerebral correlates of delta waves during non-REM sleep revisited. <i>NeuroImage</i> , <b>2005</b> , 28, 14-21	7.9	136
40	Bispectral analysis of electroencephalogram signals during recovery from coma: preliminary findings. <i>Neuropsychological Rehabilitation</i> , <b>2005</b> , 15, 381-8	3.1	29
39	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> , <b>2005</b> , 150, 219-27	2.9	164
38	One, not two, neural correlates of consciousness. <i>Trends in Cognitive Sciences</i> , <b>2005</b> , 9, 269; author reply 270	14	17
37	The neural correlate of (un)awareness: lessons from the vegetative state. <i>Trends in Cognitive Sciences</i> , <b>2005</b> , 9, 556-9	14	490
36	The locked-in syndrome : what is it like to be conscious but paralyzed and voiceless?. <i>Progress in Brain Research</i> , <b>2005</b> , 150, 495-511	2.9	287

35	Posterior cingulate, precuneal and retrosplenial cortices: cytology and components of the neural network correlates of consciousness. <i>Progress in Brain Research</i> , <b>2005</b> , 150, 205-17	2.9	358
34	Residual cognitive function in comatose, vegetative and minimally conscious states. <i>Current Opinion in Neurology</i> , <b>2005</b> , 18, 726-33	7.1	74
33	Science and society: death, unconsciousness and the brain. <i>Nature Reviews Neuroscience</i> , <b>2005</b> , 6, 899-909	3.5	118
32	Quantifying consciousness. <i>Lancet Neurology, The</i> , <b>2005</b> , 4, 789-90	24.1	34
31	Neural mechanisms involved in the detection of our first name: a combined ERPs and PET study. <i>Neuropsychologia</i> , <b>2005</b> , 43, 12-9	3.2	123
30	Functional neuroimaging in the vegetative state. <i>NeuroRehabilitation</i> , <b>2005</b> , 19, 335-341	2	41
29	Cerebral processing of auditory and noxious stimuli in severely brain injured patients: differences between VS and MCS. <i>Neuropsychological Rehabilitation</i> , <b>2005</b> , 15, 283-9	3.1	99
28	The cognitive modulation of pain: hypnosis- and placebo-induced analgesia. <i>Progress in Brain Research</i> , <b>2005</b> , 150, 251-69	2.9	72
27	Imagine imaging neural activity in crying infants and in their caring parents. <i>Behavioral and Brain Sciences</i> , <b>2004</b> , 27, 465-467	0.9	2
26	Auditory processing in severely brain injured patients: differences between the minimally conscious state and the persistent vegetative state. <i>Archives of Neurology</i> , <b>2004</b> , 61, 233-8		278
25	Cerebral processing in the minimally conscious state. <i>Neurology</i> , <b>2004</b> , 63, 916-8	6.5	722
24	Brain function in coma, vegetative state, and related disorders. <i>Lancet Neurology, The</i> , <b>2004</b> , 3, 537-46	24.1	717
23	Functional neuroimaging in the vegetative state. <i>NeuroRehabilitation</i> , <b>2004</b> , 19, 335-41	2	16
22	Increased cerebral functional connectivity underlying the antinociceptive effects of hypnosis. <i>Cognitive Brain Research</i> , <b>2003</b> , 17, 255-62		135
21	Brain, conscious experience and the observing self. <i>Trends in Neurosciences</i> , <b>2003</b> , 26, 671-5	13.3	382
20	Cortical Processing of Noxious Somatosensory Stimuli in the Persistent Vegetative State. <i>NeuroImage</i> , <b>2002</b> , 17, 732-741	7.9	306
19	Cortical Processing of Noxious Somatosensory Stimuli in the Persistent Vegetative State <b>2002</b> , 17, 732-732		22
18	Cortical processing of noxious somatosensory stimuli in the persistent vegetative state. <i>NeuroImage</i> , <b>2002</b> , 17, 732-41	7.9	71

17	Brain function in the vegetative state. <i>Acta Neurologica Belgica</i> , <b>2002</b> , 102, 177-85	1.5	47
16	Sleeping brain, learning brain. The role of sleep for memory systems. <i>NeuroReport</i> , <b>2001</b> , 12, A111-24	1.7	246
15	Neural mechanisms of antinociceptive effects of hypnosis. <i>Anesthesiology</i> , <b>2000</b> , 92, 1257-67	4.3	277
14	Auditory processing in the vegetative state. <i>Brain</i> , <b>2000</b> , 123 ( Pt 8), 1589-601	11.2	216
13	PET scanning and neuronal loss in acute vegetative state. <i>Lancet, The</i> , <b>2000</b> , 355, 1825-6; author reply 1827	4.0	34
12	Restoration of thalamocortical connectivity after recovery from persistent vegetative state. <i>Lancet, The</i> , <b>2000</b> , 355, 1790-1	4.0	293
11	Cerebral metabolism during vegetative state and after recovery to consciousness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>1999</b> , 67, 121	5.5	137
10	Fluorodopa uptake and glucose metabolism in early stages of corticobasal degeneration. <i>Journal of Neurology</i> , <b>1999</b> , 246, 1151-8	5.5	68
9	Impaired effective cortical connectivity in vegetative state: preliminary investigation using PET. <i>NeuroImage</i> , <b>1999</b> , 9, 377-82	7.9	314
8	Brain Imaging		4
7	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 181-214	0.4	4
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5	A fast and general method to empirically estimate the complexity of brain responses to transcranial and intracranial stimulations		1
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