Benjamin Rohaut

List of Publications by Year
in descending order

88 papers	4,830 citations	157969 29 h-index	103468 64 g-index
106 all docs	106 docs citations	106 times ranked	4467 citing authors

#	Article	IF	Citations
1	Neural signature of the conscious processing of auditory regularities. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1672-1677.	7.5	567
2	Large scale screening of neural signatures of consciousness in patients in a vegetative or minimally conscious state. Brain, 2014, 137, 2258-2270.	8.0	432
3	European Academy of Neurology guideline on the diagnosis of coma and other disorders of consciousness. European Journal of Neurology, 2020, 27, 741-756.	3.5	419
4	Detection of Brain Activation in Unresponsive Patients with Acute Brain Injury. New England Journal of Medicine, 2019, 380, 2497-2505.	29.7	359
5	Human consciousness is supported by dynamic complex patterns of brain signal coordination. Science Advances, 2019, 5, eaat7603.	10.8	344
6	Information Sharing in the Brain Indexes Consciousness in Noncommunicative Patients. Current Biology, 2013, 23, 1914-1919.	4.0	272
7	Probing consciousness with event-related potentials in the vegetative state. Neurology, 2011, 77, 264-268.	1.1	159
8	Single-trial decoding of auditory novelty responses facilitates the detection of residual consciousness. NeuroImage, 2013, 83, 726-738.	4.4	156
9	Event related potentials elicited by violations of auditory regularities in patients with impaired consciousness. Neuropsychologia, 2012, 50, 403-418.	1.7	155
10	COVIDâ€19â€related encephalopathy: a case series with brain FDGâ€positronâ€emission tomography/computed tomography findings. European Journal of Neurology, 2020, 27, 2651-2657.	3.5	137
11	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.	10.3	134
12	The Curing Coma Campaign: Framing Initial Scientific Challengesâ€"Proceedings of the First Curing Coma Campaign Scientific Advisory Council Meeting. Neurocritical Care, 2020, 33, 1-12.	2.6	93
13	Probing ERP correlates of verbal semantic processing in patients with impaired consciousness. Neuropsychologia, 2015, 66, 279-292.	1.7	88
14	Brainâ€"heart interactions reveal consciousness in noncommunicating patients. Annals of Neurology, 2017, 82, 578-591.	5.8	82
15	Recommendations for the use of electroencephalography and evoked potentials in comatose patients. Neurophysiologie Clinique, 2018, 48, 143-169.	2.4	82
16	Brainstem dysfunction in critically ill patients. Critical Care, 2020, 24, 5.	6.0	74
17	Survival and consciousness recovery are better in the minimally conscious state than in the vegetative state. Brain Injury, 2018, 32, 72-77.	1.2	71
18	Orbitofrontal involvement in a neuroCOVIDâ€19 patient. Epilepsia, 2020, 61, e90-e94.	4.6	65

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19	Cognitive-motor dissociation and time to functional recovery in patients with acute brain injury in the USA: a prospective observational cohort study. Lancet Neurology, The, 2022, 21, 704-713.	10.3	64
20	Combined behavioral and electrophysiological evidence for a direct cortical effect of prefrontal tDCS on disorders of consciousness. Scientific Reports, 2020, 10, 4323.	3.4	59
21	Multidimensional cognitive evaluation of patients with disorders of consciousness using EEG: A proof of concept study. NeuroImage: Clinical, 2017, 13, 455-469.	2.8	57
22	Severe COVID-19-related encephalitis can respond to immunotherapy. Brain, 2020, 143, e102-e102.	8.0	53
23	Decision making in perceived devastating brain injury: a call to explore the impact of cognitive biases. British Journal of Anaesthesia, 2018, 120, 5-9.	3.3	47
24	A Precision Medicine Framework for Classifying Patients with Disorders of Consciousness: Advanced Classification of Consciousness Endotypes (ACCESS). Neurocritical Care, 2021, 35, 27-36.	2.6	46
25	Uncovering Consciousness in Unresponsive ICU Patients: Technical, Medical and Ethical Considerations. Critical Care, 2019, 23, 78.	6.0	45
26	Intravenous immunoglobulins in patients with COVID-19-associated moderate-to-severe acute respiratory distress syndrome (ICAR): multicentre, double-blind, placebo-controlled, phase 3 trial. Lancet Respiratory Medicine,the, 2022, 10, 158-166.	10.3	41
27	Association of Clinical, Biological, and Brain Magnetic Resonance Imaging Findings With Electroencephalographic Findings for Patients With COVID-19. JAMA Network Open, 2021, 4, e211489.	6.0	40
28	Benefits and risks of noninvasive oxygenation strategy in COVID-19: a multicenter, prospective cohort study (COVID-ICU) in 137 hospitals. Critical Care, 2021, 25, 421.	6.0	35
29	Multimodal FDG-PET and EEG assessment improves diagnosis and prognostication of disorders of consciousness. NeuroImage: Clinical, 2021, 30, 102601.	2.8	34
30	Brainstem response patterns in deeply-sedated critically-ill patients predict 28-day mortality. PLoS ONE, 2017, 12, e0176012.	2.5	33
31	Habituation of auditory startle reflex is a new sign of minimally conscious state. Brain, 2020, 143, 2154-2172.	8.0	31
32	Comparison of Corticosteroid Tapering Regimens in Myasthenia Gravis. JAMA Neurology, 2021, 78, 426.	9.3	27
33	Probing consciousness in a sensory-disconnected paralyzed patient. Brain Injury, 2017, 31, 1398-1403.	1.2	23
34	Disentangling conscious from unconscious cognitive processing with event-related EEG potentials. Revue Neurologique, 2017, 173, 521-528.	0.8	22
35	Early myoclonus following anoxic brain injury. Neurology: Clinical Practice, 2018, 8, 249-256.	1.7	22
36	Deep structural brain lesions associated with consciousness impairment early after hemorrhagic stroke. Scientific Reports, 2019, 9, 4174.	3.4	21

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37	Wisdom of the caregivers: pooling individual subjective reports to diagnose states of consciousness in brain-injured patients, a monocentric prospective study. BMJ Open, 2019, 9, e026211.	2.1	21
38	Status dissociatus and disturbed dreaming in a patient with Morvan syndrome plus myasthenia gravis. Sleep Medicine, 2015, 16, 894-896.	2.3	20
39	Mismatch negativity to predict subsequent awakening in deeply sedated critically ill patients. British Journal of Anaesthesia, 2018, 121, 1290-1297.	3.3	19
40	Coronavirus disease 2019 crisis in Paris: A differential psychological impact between regular intensive care unit staff members and reinforcement workers. Australian Critical Care, 2021, 34, 142-145.	1.4	19
41	Neural detection of complex sound sequences or of statistical regularities in the absence of consciousness?. Brain, 2015, 138, e395-e395.	8.0	18
42	Early impairment of intracranial conduction time predicts mortality in deeply sedated critically ill patients: a prospective observational pilot study. Annals of Intensive Care, 2017, 7, 63.	4.8	18
43	Auditory Event-Related â€œGlobal Effectâ€•Predicts Recovery of Overt Consciousness. Frontiers in Neurology, 2020, 11, 588233.	2.5	18
44	The wide spectrum of COVID-19 neuropsychiatric complications within a multidisciplinary centre. Brain Communications, 2021, 3, fcab135.	3.4	18
45	Postâ€traumatic stress symptoms in Guillainâ€“BarrÃ© syndrome patients after prolonged mechanical ventilation in <scp>ICU</scp>: a preliminary report. Journal of the Peripheral Nervous System, 2014, 19, 218-223.	2.5	17
46	Neuroprognostication of Consciousness Recovery in a Patient with COVID-19 Related Encephalitis: Preliminary Findings from a Multimodal Approach. Brain Sciences, 2020, 10, 845.	2.4	16
47	Electrocerebral Signature of Cardiac Death. Neurocritical Care, 2021, 35, 853-861.	2.6	16
48	Unconscious semantic processing of polysemous words is not automatic. Neuroscience of Consciousness, 2016, 2016, niw010.	3.0	15
49	Endothelial cell biomarkers in critically ill COVIDâ€19 patients with encephalitis. Journal of Neurochemistry, 2022, 161, 492-505.	4.0	15
50	Importance, limits and caveats of the use of â€œdisorders of consciousnessâ€•to theorize consciousness. Neuroscience of Consciousness, 2021, 2021, niab048.	3.0	13
51	Not all patients with convulsive status epilepticus intubated in pre-hospital settings meet the criteria for refractory status epilepticus. Seizure: the Journal of the British Epilepsy Association, 2021, 88, 29-35.	2.0	12
52	Predicting 90-day survival of patients with COVID-19: Survival of Severely Ill COVID (SOSIC) scores. Annals of Intensive Care, 2021, 11, 170.	4.8	12
53	Nicotine patches in patients on mechanical ventilation for severe COVID-19: a randomized, double-blind, placebo-controlled, multicentre trial. Intensive Care Medicine, 2022, 48, 876-887.	8.2	12
54	Toward a coherent structuration of disorders of consciousness expertise at a country scale: A proposal for France. Revue Neurologique, 2022, 178, 9-20.	0.8	10

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55	Ethics Priorities of the Curing Coma Campaign: An Empirical Survey. Neurocritical Care, 2022, 37, 12-21.	2.6	10
56	Reply: Replicability and impact of statistics in the detection of neural responses of consciousness. Brain, 2016, 139, e31-e31.	8.0	9
57	Therapeutic plasma exchange in a critically ill Covidâ€19 patient. Journal of Clinical Apheresis, 2021, 36, 179-182.	1.2	9
58	Home-based exercise in autoimmune myasthenia gravis: A randomized controlled trial. Neuromuscular Disorders, 2021, 31, 726-735.	0.7	9
59	Serum neuronâ€specific enolase: a new tool for seizure risk monitoring after status epilepticus. European Journal of Neurology, 2022, 29, 883-889.	3.5	9
60	Clinico-biological markers for the prognosis of status epilepticus in adults. Journal of Neurology, 2022, 269, 5868-5882.	3.8	9
61	Neurology of consciousness impairments. , 2013, , 59-67.		7
62	Re: â€˜Determinants of in-hospital antibiotic prescription behaviourâ€™ by Lambregts et al.. Clinical Microbiology and Infection, 2019, 25, 635-637.	6.4	7
63	Brain Biopsy for Neurological Diseases of Unknown Etiology in Critically Ill Patients: Feasibility, Safety, and Diagnostic Yield. Critical Care Medicine, 2022, 50, e516-e525.	0.9	7
64	Encephalitis in a traveller with typhoid fever: efficacy of corticosteroids. Journal of Travel Medicine, 2017, 24, .	3.0	6
65	Illusion of knowledge in statistics among clinicians: evaluating the alignment between objective accuracy and subjective confidence, an online survey. Cognitive Research: Principles and Implications, 2023, 8, .	2.2	5
66	PrÃ©diction du rÃ©veil et dÃ©tection de la conscienceÂ: intÃ©rÃªt des potentiels Ã©voquÃ©s cognitifs. Reanimation: Journal De La Societe De Reanimation De Langue Francaise, 2009, 18, 659-663.	0.1	4
67	Multidrug-resistant bacteria transmitted through high-density EEG in ICU. Seizure: the Journal of the British Epilepsy Association, 2016, 37, 65-68.	2.0	4
68	What are the boundaries of unconscious semantic cognition?. European Journal of Neuroscience, 2018, 47, 1287-1288.	3.5	4
69	Hypnotic Induction of Deafness to Elementary Sounds: An Electroencephalography Case-Study and a Proposed Cognitive and Neural Scenario. Frontiers in Neuroscience, 2022, 16, 756651.	2.9	4
70	Valproic Acid as an Adjuvant Treatment for Generalized Convulsive Status Epilepticus in Adults Admitted to Intensive Care Units: Protocol for a Double-Blind, Multicenter Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e22511.	1.0	3
71	Une poche Ã urines virant au violet. Revue De Medecine Interne, 2005, 26, 666-667.	0.2	2
72	Lichen planus: an unusual cause of oesophageal stricture. Journal of the European Academy of Dermatology and Venereology, 2007, 21, 070209222700057-???.	2.6	2

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73	Shaping the future of neurocritical care in France. Revue Neurologique, 2022, 178, 7-8.	0.8	2
74	Heuristics and biases in medical decision-making under uncertainty: The case of neuropronostication for consciousness disorders. Presse Medicale, 2023, 52, 104181.	2.0	2
75	Carcinome Ã©pidermoÃ¯de compliquant un ulcÃ¨re veineux chronique de jambe. Annales De Dermatologie Et De Venereologie, 2005, 132, 589-590.	1.1	1
76	Does adding beer to coffee enhance the activation of drinks? An ERP study of semantic category priming. Cognitive Neuroscience, 2022, 13, 61-76.	1.9	1
77	Early abolition of cough reflex predicts mortality in deeply sedated brain-injured patients. PeerJ, 2020, 8, e10326.	2.0	1
78	â€œDoC DoCâ€¦ your attention please!. Clinical Neurophysiology, 2023, 145, 106-107.	2.0	1
79	Older patients with COVIDâ€19 and neuropsychiatric conditions: A study of risk factors for mortality. Brain and Behavior, 2022, 12, .	2.3	1
80	Cognitive Motor Dissociation in Disorders of Consciousness. New England Journal of Medicine, 2024, 391, 598-608.	29.7	1
81	SarcoÃ¯dose mimant une polyarthrite rhumatoÃ¯de. Presse Medicale, 2006, 35, 623-624.	2.0	0
82	Complications prÃ©coces aprÃ¨s pose de pacemaker. Presse Medicale, 2009, 38, 1030-1031.	2.0	0
83	Uncovering Consciousness in Unresponsive ICU Patients: Technical, Medical and Ethical Considerations. Annual Update in Intensive Care and Emergency Medicine, 2019, , 431-446.	0.0	0
84	How will tomorrowâ€™s algorithms fuse multimodal data? The example of the neuroprognosis in Intensive Care. Anaesthesia, Critical Care & Pain Medicine, 2023, 42, 101301.	1.6	0
85	Disorders of Consciousness: navigating between nihilism and unrealistic hopes. Presse Medicale, 2023, 52, 104182.	2.0	0
86	Multimodal assessment improves neuroprognosis performance in clinically unresponsive critical-care patients with brain injury. Nature Medicine, 0, , .	29.9	0
87	Contentâ€“state dimensions characterize different types of neuronal markers of consciousness. Neuroscience of Consciousness, 2024, 2024, .	3.0	0
88	Pain anticipation is a new behavioural sign of minimally conscious state. Brain Communications, 2024, 6, .	3.4	0