Lionel Naccache

List of Publications by Year
in descending order

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153 papers	17,728 citations	36271 51 h-index	15249 126 g-index
180 all docs	180 docs citations	180 times ranked	10813 citing authors

#	Article	IF	Citations
1	Toward a coherent structuration of disorders of consciousness expertise at a country scale: A proposal for France. Revue Neurologique, 2022, 178, 9-20.	0.6	7
2	Hypnotic Induction of Deafness to Elementary Sounds: An Electroencephalography Case-Study and a Proposed Cognitive and Neural Scenario. Frontiers in Neuroscience, 2022, 16, 756651.	1.4	1
3	Predicting the loss of responsiveness when falling asleep in humans. NeuroImage, 2022, 251, 119003.	2.1	12
4	Face-selective multi-unit activity in the proximity of the FFA modulated by facial expression stimuli. Neuropsychologia, 2022, 170, 108228.	0.7	2
5	Unifying turbulent dynamics framework distinguishes different brain states. Communications Biology, 2022, 5, .	2.0	20
6	Hard but so valuable to define hard criteria for empirical theories of consciousness. Cognitive Neuroscience, 2021, 12, 79-81.	0.6	2
7	The wide spectrum of COVID-19 neuropsychiatric complications within a multidisciplinary centre. Brain Communications, 2021, 3, fcab135.	1.5	16
8	Multimodal FDG-PET and EEG assessment improves diagnosis and prognostication of disorders of consciousness. NeuroImage: Clinical, 2021, 30, 102601.	1.4	29
9	Unmasking Covert Language Processing in the Intensive Care Unit with Electroencephalography. Annals of Neurology, 2021, 89, 643-645.	2.8	13
10	Association of Clinical, Biological, and Brain Magnetic Resonance Imaging Findings With Electroencephalographic Findings for Patients With COVID-19. JAMA Network Open, 2021, 4, e211489.	2.8	38
11	Preservation of Brain Activity in Unresponsive Patients Identifies <scp>MCS</scp> Star. Annals of Neurology, 2021, 90, 89-100.	2.8	70
12	Oculomotor artefacts mimic extreme deltabrush EEG features of autoimmune anti NMDA receptor encephalitis. Clinical Neurophysiology, 2021, 132, 1200-1202.	0.7	0
13	Cognitive dissonance resolution depends on executive functions and frontal lobe integrity. Cortex, 2021, 139, 1-11.	1.1	3
14	A Precision Medicine Framework for Classifying Patients with Disorders of Consciousness: Advanced Classification of Consciousness Endotypes (ACCESS). Neurocritical Care, 2021, 35, 27-36.	1.2	39
15	Comparing stimulus-evoked and spontaneous responses of face-selective multi-units in humans. Journal of Vision, 2021, 21, 2235.	0.1	0
16	A single-center series of 482 patients with functional motor disorders. Journal of Psychosomatic Research, 2021, 148, 110565.	1.2	2
17	A machine learning approach to screen for preclinical Alzheimer's disease. Neurobiology of Aging, 2021, 105, 205-216.	1.5	18
18	Conscious processing of narrative stimuli synchronizes heart rate between individuals. Cell Reports, 2021, 36, 109692.	2.9	52

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19	Comparing stimulus-evoked and spontaneous response of the face-selective multi-units in the human posterior fusiform gyrus. Neuroscience of Consciousness, 2021, 2021, niab033.	1.4	0
20	Comparing stimulus-evoked and spontaneous response of the face-selective multi-units in the human posterior fusiform gyrus. Neuroscience of Consciousness, 2021, 2021, niab033.	1.4	4
21	‹b›Importance, limits and caveats of the use of â€œdisorders of consciousnessâ€•to theorize consciousness‹/b›. Neuroscience of Consciousness, 2021, 2021, niab048.	1.4	11
22	Conscious and unconscious expectancy effects: A behavioral, scalp and intracranial electroencephalography study. Clinical Neurophysiology, 2020, 131, 385-400.	0.7	6
23	Neuroprognostication of Consciousness Recovery in a Patient with COVID-19 Related Encephalitis: Preliminary Findings from a Multimodal Approach. Brain Sciences, 2020, 10, 845.	1.1	16
24	Functional and Structural Integrity of Frontoparietal Connectivity in Traumatic and Anoxic Coma. Critical Care Medicine, 2020, 48, e639-e647.	0.4	17
25	Clinical and advanced neurophysiology in the prognostic and diagnostic evaluation of disorders of consciousness: review of an IFCN-endorsed expert group. Clinical Neurophysiology, 2020, 131, 2736-2765.	0.7	103
26	COVIDâ€19â€related encephalopathy: a case series with brain FDGâ€positronâ€emission tomography/computed tomography findings. European Journal of Neurology, 2020, 27, 2651-2657.	1.7	127
27	Learning to see the Ebbinghaus illusion in the periphery reveals a top-down stabilization of size perception across the visual field. Scientific Reports, 2020, 10, 12622.	1.6	3
28	Complete hemispherotomy leads to lateralized functional organization and lower level of consciousness in the isolated hemisphere. Epilepsia Open, 2020, 5, 537-549.	1.3	3
29	Brain-scale cortico-cortical functional connectivity in the delta-theta band is a robust signature of conscious states: an intracranial and scalp EEG study. Scientific Reports, 2020, 10, 14037.	1.6	27
30	EEG: A valuable tool to screen for neurodegeneration in preclinical Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e039696.	0.4	1
31	Multimodal screening for neurodegeneration in preclinical Alzheimerâ€™s disease using EEG, APOE4 genotype, neuropsychological and MRI data. Alzheimer's and Dementia, 2020, 16, e044027.	0.4	0
32	Combined behavioral and electrophysiological evidence for a direct cortical effect of prefrontal tDCS on disorders of consciousness. Scientific Reports, 2020, 10, 4323.	1.6	55
33	Habituation of auditory startle reflex is a new sign of minimally conscious state. Brain, 2020, 143, 2154-2172.	3.7	28
34	European Academy of Neurology guideline on the diagnosis of coma and other disorders of consciousness. European Journal of Neurology, 2020, 27, 741-756.	1.7	331
35	Auditory Event-Related â€œGlobal Effectâ€•Predicts Recovery of Overt Consciousness. Frontiers in Neurology, 2020, 11, 588233.	1.1	18
36	Face-selective neurons in the vicinity of the human fusiform face area. Neurology, 2019, 92, 197-198.	1.5	18

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37	EEG evidence of compensatory mechanisms in preclinical Alzheimerâ€™s disease. Brain, 2019, 142, 2096-2112.	3.7	131
38	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.	0.8	17
39	Human consciousness is supported by dynamic complex patterns of brain signal coordination. Science Advances, 2019, 5, eaat7603.	4.7	296
40	The Brain of Tomorrow, Google, and Creativity¹. Contemporary French and Francophone Studies, 2019, 23, 389-394.	0.0	0
41	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	6.2	58
42	Observer la conscience. Pourlascience Fr, 2019, NÂ° 500 - juin, 74-80.	0.0	1
43	Use of brain diffusion tensor imaging for the prediction of long-term neurological outcomes in patients after cardiac arrest: a multicentre, international, prospective, observational, cohort study. Lancet Neurology, The, 2018, 17, 317-326.	4.9	126
44	Regional brain volumetry and brain function in severely brainâ€injured patients. Annals of Neurology, 2018, 83, 842-853.	2.8	43
45	Minimally conscious state or cortically mediated state?. Brain, 2018, 141, 949-960.	3.7	120
46	Reply: Response to â€˜Minimally conscious state or cortically mediated state?â€™. Brain, 2018, 141, e27-e27.	3.7	7
47	Survival and consciousness recovery are better in the minimally conscious state than in the vegetative state. Brain Injury, 2018, 32, 72-77.	0.6	61
48	Robust EEG-based cross-site and cross-protocol classification of states of consciousness. Brain, 2018, 141, 3179-3192.	3.7	213
49	Suggestion of self-(in)coherence modulates cognitive dissonance. PLoS ONE, 2018, 13, e0202204.	1.1	5
50	Conscious processing of auditory regularities induces a pupil dilation. Scientific Reports, 2018, 8, 14819.	1.6	34
51	Mismatch negativity to predict subsequent awakening in deeply sedated critically ill patients. British Journal of Anaesthesia, 2018, 121, 1290-1297.	1.5	17
52	Recommendations for the use of electroencephalography and evoked potentials in comatose patients. Neurophysiologie Clinique, 2018, 48, 143-169.	1.0	74
53	Why and how access consciousness can account for phenomenal consciousness. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170357.	1.8	65
54	Value and mechanisms of EEG reactivity in the prognosis of patients with impaired consciousness: a systematic review. Critical Care, 2018, 22, 184.	2.5	73

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55	Unconscious memory suppression. Cognition, 2018, 180, 191-199.	1.1	10
56	What are the boundaries of unconscious semantic cognition?. European Journal of Neuroscience, 2018, 47, 1287-1288.	1.2	2
57	Unexpected good outcome in severe cerebral fat embolism syndrome. Annals of Clinical and Translational Neurology, 2018, 5, 988-995.	1.7	10
58	Probing Representations of Gymnastics Movements: A Visual Priming Study. Cognitive Science, 2018, 42, 1529-1551.	0.8	3
59	Cognitive dissonance resolution depends on episodic memory. Scientific Reports, 2017, 7, 41320.	1.6	20
60	Neurophysiological dynamics of phrase-structure building during sentence processing. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3669-E3678.	3.3	203
61	Multidimensional cognitive evaluation of patients with disorders of consciousness using EEG: A proof of concept study. NeuroImage: Clinical, 2017, 13, 455-469.	1.4	52
62	Cortical neurons and networks are dormant but fully responsive during isoelectric brain state. Brain, 2017, 140, 2381-2398.	3.7	27
63	Disentangling conscious from unconscious cognitive processing with event-related EEG potentials. Revue Neurologique, 2017, 173, 521-528.	0.6	21
64	Brainâ€“heart interactions reveal consciousness in noncommunicating patients. Annals of Neurology, 2017, 82, 578-591.	2.8	76
65	Probing consciousness in a sensory-disconnected paralyzed patient. Brain Injury, 2017, 31, 1398-1403.	0.6	20
66	Impact of Transcranial Magnetic Stimulation on Functional Movement Disorders: Cortical Modulation or a Behavioral Effect?. Frontiers in Neurology, 2017, 8, 338.	1.1	49
67	Can application and transfer of strategy be observed in low visibility condition?. PLoS ONE, 2017, 12, e0173679.	1.1	3
68	4 h versus 1 h-nap-video-EEG monitoring in an Epileptology Unit. Clinical Neurophysiology, 2016, 127, 3135-3139.	0.7	2
69	Multidrug-resistant bacteria transmitted through high-density EEG in ICU. Seizure: the Journal of the British Epilepsy Association, 2016, 37, 65-68.	0.9	2
70	Why the P3b is still a plausible correlate of conscious access? A commentary on Silverstein etÂal., 2015. Cortex, 2016, 85, 126-128.	1.1	28
71	Bedside quantitative electroencephalography improves assessment of consciousness in comatose subarachnoid hemorrhage patients. Annals of Neurology, 2016, 80, 541-553.	2.8	85
72	Unconscious semantic processing of polysemous words is not automatic. Neuroscience of Consciousness, 2016, 2016, niw010.	1.4	14

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73	Dissociating temporal attention from spatial attention and motor response preparation: A high-density EEG study. NeuroImage, 2016, 124, 947-957.	2.1	16
74	Visual Consciousness. , 2016, , 281-295.		0
75	Reply: Replicability and impact of statistics in the detection of neural responses of consciousness. Brain, 2016, 139, e31-e31.	3.7	9
76	Disruption of hierarchical predictive coding during sleep. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1353-62.	3.3	172
77	Neural detection of complex sound sequences or of statistical regularities in the absence of consciousness?. Brain, 2015, 138, e395-e395.	3.7	18
78	Visual consciousness explained by its impairments. Current Opinion in Neurology, 2015, 28, 45-50.	1.8	8
79	Cortical activity is more stable when sensory stimuli are consciously perceived. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2083-92.	3.3	118
80	Probing ERP correlates of verbal semantic processing in patients with impaired consciousness. Neuropsychologia, 2015, 66, 279-292.	0.7	84
81	Event-Related Potential, Time-frequency, and Functional Connectivity Facets of Local and Global Auditory Novelty Processing: An Intracranial Study in Humans. Cerebral Cortex, 2015, 25, 4203-4212.	1.6	90
82	Comment notre cohÃ©rence subjective se construit-elle? Le modÃ¨le de la dissonance cognitive. Bulletin De L'Academie Nationale De Medecine, 2015, 199, 253-259.	0.0	1
83	Two Distinct Dynamic Modes Subtend the Detection of Unexpected Sounds. PLoS ONE, 2014, 9, e85791.	1.1	76
84	Cognitive Dissonance Resolution Is Related to Episodic Memory. PLoS ONE, 2014, 9, e108579.	1.1	27
85	Extensive White Matter Involvement in Patients With Frontotemporal Lobar Degeneration. JAMA Neurology, 2014, 71, 1562.	4.5	68
86	Can the meaning of multiple words be integrated unconsciously?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130212.	1.8	82
87	Large scale screening of neural signatures of consciousness in patients in a vegetative or minimally conscious state. Brain, 2014, 137, 2258-2270.	3.7	398
88	Imaging â€˜top-downâ€™ mobilization of visual information: A case study in a posterior split-brain patient. Neuropsychologia, 2014, 53, 94-103.	0.7	3
89	Alteration of consciousness in focal epilepsy: The global workspace alteration theory. Epilepsy and Behavior, 2014, 30, 17-23.	0.9	22
90	The Cerebral Cost of Breathing: An fMRI Case-Study in Congenital Central Hypoventilation Syndrome. PLoS ONE, 2014, 9, e107850.	1.1	26

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91	Ripples of consciousness. Trends in Cognitive Sciences, 2013, 17, 552-554.	4.0	13
92	Information Sharing in the Brain Indexes Consciousness in Noncommunicative Patients. Current Biology, 2013, 23, 1914-1919.	1.8	257
93	Cueing Attention after the Stimulus Is Gone Can Retrospectively Trigger Conscious Perception. Current Biology, 2013, 23, 150-155.	1.8	116
94	Single-trial decoding of auditory novelty responses facilitates the detection of residual consciousness. NeuroImage, 2013, 83, 726-738.	2.1	146
95	Is non-recognition of choreic movements in Huntington disease always pathological?. Neuropsychologia, 2013, 51, 748-759.	0.7	13
96	Splitting of the P3 component during dual-task processing in a patient with posterior callosal section. Cortex, 2013, 49, 730-747.	1.1	4
97	Neurology of consciousness impairments. , 2013, , 59-67.		6
98	Logical semantic operations in the absence of visual awareness. Journal of Vision, 2013, 13, 1143-1143.	0.1	0
99	Dyspnea-pain counterirritation induced by inspiratory threshold loading: a laser-evoked potentials study. Journal of Applied Physiology, 2012, 112, 1166-1173.	1.2	9
100	Event related potentials elicited by violations of auditory regularities in patients with impaired consciousness. Neuropsychologia, 2012, 50, 403-418.	0.7	150
101	Imaging neural signatures of consciousness: 'what', 'when', 'where' and 'how' does it work?. Archives Italiennes De Biologie, 2012, 150, 91-106.	0.1	39
102	Evidence for a hierarchy of predictions and prediction errors in human cortex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20754-20759.	3.3	419
103	Probing consciousness with event-related potentials in the vegetative state. Neurology, 2011, 77, 264-268.	1.5	155
104	The global workspace (GW) theory of consciousness and epilepsy. Behavioural Neurology, 2011, 24, 67-74.	1.1	25
105	Probing the lifetimes of auditory novelty detection processes. Neuropsychologia, 2010, 48, 3145-3154.	0.7	40
106	A Few Suggestions about Suggestion, Psychoanalysis, and Neuroscience. Neuropsychoanalysis, 2010, 12, 32-34.	0.1	1
107	Unconsciously deciphering handwriting: Subliminal invariance for handwritten words in the visual word form area. NeuroImage, 2010, 49, 1786-1799.	2.1	65
108	Impaired consciousness during temporal lobe seizures is related to increased long-distance corticalâ€“subcortical synchronization. Brain, 2009, 132, 2091-2101.	3.7	201

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109	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.	3.3	539
110	What multiple sclerosis could bring to cognitive neuroscience?. Revue Neurologique, 2009, 165, 702-708.	0.6	1
111	White matter damage impairs access to consciousness in multiple sclerosis. NeuroImage, 2009, 44, 590-599.	2.1	37
112	Visual Consciousness: An Updated Neurological Tour. , 2009, , 271-281.		7
113	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
114	Converging Intracranial Markers of Conscious Access. PLoS Biology, 2009, 7, e1000061.	2.6	326
115	A combined clinical and MRI approach for outcome assessment of traumatic head injured comatose patients. Journal of Neurology, 2008, 255, 217-223.	1.8	48
116	Conscious influences on subliminal cognition exist and are asymmetrical: Validation of a double prediction. Consciousness and Cognition, 2008, 17, 1359-1360.	0.8	16
117	Semantic processing of neglected numbers. Cortex, 2008, 44, 673-682.	1.1	21
118	Reportability and illusions of phenomenality in the light of the global neuronal workspace model. Behavioral and Brain Sciences, 2007, 30, 518-520.	0.4	20
119	Subliminal words durably affect neuronal activity. NeuroReport, 2007, 18, 1527-1531.	0.6	18
120	Exploring impaired consciousness: the MRI approach. Current Opinion in Neurology, 2007, 20, 627-631.	1.8	9
121	Intact subliminal processing and delayed conscious access in multiple sclerosis. Neuropsychologia, 2007, 45, 2683-2691.	0.7	26
122	Effect of loxapine on electrical brain activity, intracranial pressure, and middle cerebral artery flow velocity in traumatic brain-injured patients. Neurocritical Care, 2007, 7, 124-127.	1.2	13
123	Paracingulate sulcus morphology and fMRI activation detection in schizophrenia patients. Schizophrenia Research, 2006, 82, 143-151.	1.1	22
124	Direct Intracranial, fMRI, and Lesion Evidence for the Causal Role of Left Inferotemporal Cortex in Reading. Neuron, 2006, 50, 191-204.	3.8	337
125	Can One Suppress Subliminal Words?. Neuron, 2006, 52, 397-399.	3.8	15
126	Conscious, preconscious, and subliminal processing: a testable taxonomy. Trends in Cognitive Sciences, 2006, 10, 204-211.	4.0	1,649

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127	â€œWhatâ€•and â€œWhereâ€•in Word Reading: Ventral Coding of Written Words Revealed by Parietal Atrophy. Journal of Cognitive Neuroscience, 2006, 18, 1998-2012.	1.1	62
128	Is She Conscious?. Science, 2006, 313, 1395-1396.	6.0	58
129	Nonconscious semantic processing of emotional words modulates conscious access. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7524-7529.	3.3	149
130	Cognitive control in childhood-onset obsessiveâ€“compulsive disorder: a functional MRI study. Psychological Medicine, 2005, 35, 1007-1017.	2.7	48
131	Effortless control: executive attention and conscious feeling of mental effort are dissociable. Neuropsychologia, 2005, 43, 1318-1328.	0.7	158
132	The relationship of intracranial pressure Lundberg waves to electroencephalograph fluctuations in patients with severe head trauma. Acta Neurochirurgica, 2005, 147, 125-129.	0.9	41
133	A direct intracranial record of emotions evoked by subliminal words. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7713-7717.	3.3	173
134	Visual phenomenal consciousness: a neurological guided tour. Progress in Brain Research, 2005, 150, 185-195.	0.9	11
135	Auditory mismatch negativity is a good predictor of awakening in comatose patients: a fast and reliable procedure. Clinical Neurophysiology, 2005, 116, 988-989.	0.7	77
136	Preserved auditory cognitive ERPs in severe akinetic mutism: a case report. Cognitive Brain Research, 2004, 19, 202-205.	3.3	6
137	Conscious and subliminal conflicts in normal subjects and patients with schizophrenia: The role of the anterior cingulate. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13722-13727.	3.3	191
138	Long-term semantic memory versus contextual memory in unconscious number processing.. Journal of Experimental Psychology: Learning Memory and Cognition, 2003, 29, 235-247.	0.7	126
139	Unconscious Masked Priming Depends on Temporal Attention. Psychological Science, 2002, 13, 416-424.	1.8	417
140	Preferential Survival of an MBP-Specific T Cell Clone in an HLA-DR2 Multiple Sclerosis Patient. NeuroImmunoModulation, 2002, 10, 1-4.	0.9	2
141	The Priming Method: Imaging Unconscious Repetition Priming Reveals an Abstract Representation of Number in the Parietal Lobes. Cerebral Cortex, 2001, 11, 966-974.	1.6	369
142	Cerebral mechanisms of word masking and unconscious repetition priming. Nature Neuroscience, 2001, 4, 752-758.	7.1	1,191
143	Towards a cognitive neuroscience of consciousness: basic evidence and a workspace framework. Cognition, 2001, 79, 1-37.	1.1	1,941
144	Unconscious semantic priming extends to novel unseen stimuli. Cognition, 2001, 80, 215-229.	1.1	332

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145	Language and calculation within the parietal lobe: a combined cognitive, anatomical and fMRI study. Neuropsychologia, 2000, 38, 1426-1440.	0.7	218
146	Further evidence for a central reorganisation of synaptic connectivity in patients with hypoglossalâ€“facial anastomosis in man. Brain Research, 2000, 864, 87-94.	1.1	17
147	Simultanagnosia in a patient with right brain lesions. Journal of Neurology, 2000, 247, 650-651.	1.8	10
148	The visual word form area. Brain, 2000, 123, 291-307.	3.7	1,744
149	Event-related fMRI analysis of the cerebral circuit for number comparison. NeuroReport, 1999, 10, 1473-1479.	0.6	180
150	CorrÃ©lats cÃ©rÃ©braux de l'amorÃ§age sÃ©mantique inconscient.. Medecine/Sciences, 1999, 15, 515.	0.0	1
151	Imaging unconscious semantic priming. Nature, 1998, 395, 597-600.	13.7	1,100
152	Cerebral lymphoma in a patient with immunoglobulin paraproteinemic polyneuropathy. Muscle and Nerve, 1997, 20, 122-3.	1.0	3
153	Fourth meeting of the European Neurological Society 25â€“29 June 1994 Barcelona, Spain. Journal of Neurology, 1994, 241, 1-164.	1.8	20