Quentin Noirhomme

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1555642/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Mental imagery for brain-computer interface control and communication in non-responsive individuals. Annals of Physical and Rehabilitation Medicine, 2020, 63, 21-27.	2.3	13
2	A mean field approach to model levels of consciousness from EEG recordings. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 083405.	2.3	4
3	Increased cerebral responses to salient transitions between alternating stimuli in chronic migraine with medication overuse headache and during migraine attacks. Cephalalgia, 2019, 39, 988-999.	3.9	8
4	Toward an Attention-Based Diagnostic Tool for Patients With Locked-in Syndrome. Clinical EEG and Neuroscience, 2018, 49, 122-135.	1.7	17
5	Electrophysiology in Disorders of Consciousness: From Conventional EEG Visual Analysis to Brain-Computer Interfaces. , 2018, , 51-75.		0
6	"Look at my classifier's result― Disentangling unresponsive from (minimally) conscious patients. Neurolmage, 2017, 145, 288-303.	4.2	36
7	A method for independent component graph analysis of restingâ€state <scp>fMRI</scp> . Brain and Behavior, 2017, 7, e00626.	2.2	27
8	Real-time fMRI-based self-regulation of brain activation across different visual feedback presentations. Brain-Computer Interfaces, 2017, 4, 87-101.	1.8	19
9	Trends in BCI Research I: Brain-Computer Interfaces for Assessment of Patients with Locked-in Syndrome or Disorders of Consciousness. Springer Briefs in Electrical and Computer Engineering, 2017, , 105-125.	0.5	6
10	Cognitive Processing in Non-Communicative Patients: What Can Event-Related Potentials Tell Us?. Frontiers in Human Neuroscience, 2016, 10, 569.	2.0	16
11	Electromyographic decoding of response to command in disorders of consciousness. Neurology, 2016, 87, 2099-2107.	1.1	21
12	Large-scale signatures of unconsciousness are consistent with a departure from critical dynamics. Journal of the Royal Society Interface, 2016, 13, 20151027.	3.4	148
13	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. Brain Connectivity, 2016, 6, 225-237.	1.7	49
14	Correlation between resting state <scp>fMRI</scp> total neuronal activity and <scp>PET</scp> metabolism in healthy controls and patients with disorders of consciousness. Brain and Behavior, 2016, 6, e00424.	2.2	40
15	Improving EEG-BCI analysis for low certainty subjects by using dictionary learning. , 2015, , .		1
16	Complexity of Multi-Dimensional Spontaneous EEG Decreases during Propofol Induced General Anaesthesia. PLoS ONE, 2015, 10, e0133532.	2.5	231
17	Hypnosis modulates behavioural measures and subjective ratings about external and internal awareness. Journal of Physiology (Paris), 2015, 109, 173-179.	2.1	24
18	Cerebral responses and role of the prefrontal cortex in conditioned pain modulation: an fMRI study in healthy subjects. Behavioural Brain Research, 2015, 281, 187-198.	2.2	59

QUENTIN NOIRHOMME

#	Article	IF	CITATIONS
19	Brain-Computer Interface for Assessing Consciousness in Severely Brain-Injured Patients. , 2015, , 133-148.		8
20	Detection of response to command using voluntary control of breathing in disorders of consciousness. Frontiers in Human Neuroscience, 2014, 8, 1020.	2.0	19
21	An independent SSVEP-based brain–computer interface in locked-in syndrome. Journal of Neural Engineering, 2014, 11, 035002.	3.5	99
22	Automated Analysis of Background EEG and Reactivity During Therapeutic Hypothermia in Comatose Patients After Cardiac Arrest. Clinical EEG and Neuroscience, 2014, 45, 6-13.	1.7	85
23	A Vibrotactile P300-Based Brain–Computer Interface for Consciousness Detection and Communication. Clinical EEG and Neuroscience, 2014, 45, 14-21.	1.7	73
24	Directed Information Transfer in Scalp Electroencephalographic Recordings. Clinical EEG and Neuroscience, 2014, 45, 33-39.	1.7	32
25	Consciousness and Unconsciousness. Clinical EEG and Neuroscience, 2014, 45, 4-5.	1.7	7
26	Multiple fMRI system-level baseline connectivity is disrupted in patients with consciousness alterations. Cortex, 2014, 52, 35-46.	2.4	185
27	Volitional electromyographic responses in disorders of consciousness. Brain Injury, 2014, 28, 1171-1179.	1.2	32
28	Biased binomial assessment of cross-validated estimation of classification accuracies illustrated in diagnosis predictions. NeuroImage: Clinical, 2014, 4, 687-694.	2.7	112
29	Brain-Computer Interfaces and Diagnosis. The International Library of Ethics, Law and Technology, 2014, , 39-47.	0.4	2
30	Characterizing brain states with Granger causality. BMC Neuroscience, 2013, 14, .	1.9	0
31	Electroencephalographic profiles for differentiation of disorders of consciousness. BioMedical Engineering OnLine, 2013, 12, 109.	2.7	48
32	The auditory P300-based single-switch brain–computer interface: Paradigm transition from healthy subjects to minimally conscious patients. Artificial Intelligence in Medicine, 2013, 59, 81-90.	6.5	74
33	Reanalysis of "Bedside detection of awareness in the vegetative state: a cohort studyâ€. Lancet, The, 2013, 381, 289-291.	13.7	84
34	Thalamus, Brainstem and Salience Network Connectivity Changes During Propofol-Induced Sedation and Unconsciousness. Brain Connectivity, 2013, 3, 273-285.	1.7	112
35	Probing command following in patients with disorders of consciousness using a brain–computer interface. Clinical Neurophysiology, 2013, 124, 101-106.	1.5	217
36	A multiscale method for a robust detection of the default mode network. Proceedings of SPIE, 2013, , .	0.8	1

#	Article	IF	CITATIONS
37	Dynamic Change of Global and Local Information Processing in Propofol-Induced Loss and Recovery of Consciousness. PLoS Computational Biology, 2013, 9, e1003271.	3.2	124
38	Electroencephalogram approximate entropy influenced by both age and sleep. Frontiers in Neuroinformatics, 2013, 7, 33.	2.5	34
39	Detecting Consciousness with a Brain-Computer Interface. Biosystems and Biorobotics, 2013, , 1261-1264.	0.3	6
40	Changes in Effective Connectivity by Propofol Sedation. PLoS ONE, 2013, 8, e71370.	2.5	28
41	DTI based structural damage characterization for Disorders of Consciousness. , 2012, 2012, 1257-1260.		2
42	Brain–computer interfacing in disorders of consciousness. Brain Injury, 2012, 26, 1510-1522.	1.2	74
43	Brain Connectivity in Disorders of Consciousness. Brain Connectivity, 2012, 2, 1-10.	1.7	85
44	Connectivity Changes Underlying Spectral EEG Changes during Propofol-Induced Loss of Consciousness. Journal of Neuroscience, 2012, 32, 7082-7090.	3.6	272
45	Electrophysiology and Disorders of Consciousness. , 2012, , 55-66.		1
46	Granger Causality Analysis of Steady-State Electroencephalographic Signals during Propofol-Induced Anaesthesia. PLoS ONE, 2012, 7, e29072.	2.5	138
47	Identifying the defaultâ€mode component in spatial IC analyses of patients with disorders of consciousness. Human Brain Mapping, 2012, 33, 778-796.	3.6	128
48	Brain-Computer Interface: A Communication Aid?. , 2012, , 67-78.		1
49	Electrophysiological investigations of brain function in coma, vegetative and minimally conscious patients. Archives Italiennes De Biologie, 2012, 150, 122-39.	0.4	62
50	Resting-state EEG study of comatose patients: a connectivity and frequency analysis to find differences between vegetative and minimally conscious states. Functional Neurology, 2012, 27, 41-7.	1.3	118
51	Two Distinct Neuronal Networks Mediate the Awareness of Environment and of Self. Journal of Cognitive Neuroscience, 2011, 23, 570-578.	2.3	367
52	"Relevance vector machine―consciousness classifier applied to cerebral metabolism of vegetative and locked-in patients. NeuroImage, 2011, 56, 797-808.	4.2	84
53	Hypnotic modulation of resting state fMRI default mode and extrinsic network connectivity. Progress in Brain Research, 2011, 193, 309-322.	1.4	93
54	Multimodal neuroimaging in patients with disorders of consciousness showing "functional hemispherectomy― Progress in Brain Research, 2011, 193, 323-333.	1.4	44

QUENTIN NOIRHOMME

#	Article	IF	CITATIONS
55	Propofol Anesthesia and Sleep: A High-Density EEG Study. Sleep, 2011, 34, 283-291.	1.1	326
56	fMRI Artefact Rejection and Sleep Scoring Toolbox. Computational Intelligence and Neuroscience, 2011, 2011, 1-11.	1.7	47
57	Electrophysiological correlates of behavioural changes in vigilance in vegetative state and minimally conscious state. Brain, 2011, 134, 2222-2232.	7.6	128
58	Électrophysiologie des états de conscience altérée. , 2011, , 61-72.		0
59	Automated EEG entropy measurements in coma, vegetative state/unresponsive wakefulness syndrome and minimally conscious state. Functional Neurology, 2011, 26, 25-30.	1.3	95
60	Resting state activity in patients with disorders of consciousness. Functional Neurology, 2011, 26, 37-43.	1.3	57
61	Breakdown of within- and between-network Resting State Functional Magnetic Resonance Imaging Connectivity during Propofol-induced Loss of Consciousness. Anesthesiology, 2010, 113, 1038-1053.	2.5	576
62	Neuroimaging after coma. Neuroradiology, 2010, 52, 15-24.	2.2	54
63	Brain Connectivity in Pathological and Pharmacological Coma. Frontiers in Systems Neuroscience, 2010, 4, 160.	2.5	69
64	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. Brain, 2010, 133, 161-171.	7.6	723
65	Disorders of consciousness: Moving from passive to resting state and active paradigms. Cognitive Neuroscience, 2010, 1, 193-203.	1.4	21
66	Functional Neuroimaging Approaches to the Changing Borders of Consciousness. Journal of Psychophysiology, 2010, 24, 68-75.	0.7	5
67	Reaching across the abyss: recent advances in functional magnetic resonance imaging and their potential relevance to disorders of consciousness. Progress in Brain Research, 2009, 177, 261-274.	1.4	45
68	Les facteurs associés à un allaitement maternel prolongé au-delà de trois moisÂ: une revue de la littérature. Journal De Pediatrie Et De Puericulture, 2009, 22, 112-120.	0.0	16
69	Functional connectivity in the default network during resting state is preserved in a vegetative but not in a brain dead patient. Human Brain Mapping, 2009, 30, 2393-2400.	3.6	294
70	Bispectral index correlates with regional cerebral blood flow during sleep in distinct cortical and subcortical structures in humans. Archives Italiennes De Biologie, 2009, 147, 51-7.	0.4	17
71	Single-Trial EEG Source Reconstruction for Brain–Computer Interface. IEEE Transactions on Biomedical Engineering, 2008, 55, 1592-1601.	4.2	58
72	A twitch of consciousness: defining the boundaries of vegetative and minimally conscious states. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 741-742.	1.9	6

#	Article	IF	CITATIONS
73	Modern Electrophysiological Methods for Brain-Computer Interfaces. Computational Intelligence and Neuroscience, 2007, 2007, 1-8.	1.7	8
74	Registration and Real-Time Visualization of Transcranial Magnetic Stimulation With 3-D MR Images. IEEE Transactions on Biomedical Engineering, 2004, 51, 1994-2005.	4.2	66
75	Registration of transcranial magnetic stimulation, a visualization tool for brain functions. , O, , .		2
76	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 181-214.	0.4	5