

Camille Chatelle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5996969/publications.pdf>

Version: 2024-02-01

99
papers

5,508
citations

94381

37
h-index

88593

70
g-index

107
all docs

107
docs citations

107
times ranked

3257
citing authors

#	ARTICLE	IF	CITATIONS
1	Bedside detection of awareness in the vegetative state: a cohort study. <i>Lancet, The</i> , 2011, 378, 2088-2094.	6.3	559
2	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. <i>Lancet, The</i> , 2014, 384, 514-522.	6.3	433
3	European Academy of Neurology guideline on the diagnosis of coma and other disorders of consciousness. <i>European Journal of Neurology</i> , 2020, 27, 741-756.	1.7	331
4	Spasticity after stroke: Physiology, assessment and treatment. <i>Brain Injury</i> , 2013, 27, 1093-1105.	0.6	301
5	Early detection of consciousness in patients with acute severe traumatic brain injury. <i>Brain</i> , 2017, 140, 2399-2414.	3.7	244
6	Brain networks predict metabolism, diagnosis and prognosis at the bedside in disorders of consciousness. <i>Brain</i> , 2017, 140, 2120-2132.	3.7	225
7	Probing command following in patients with disorders of consciousness using a brain-computer interface. <i>Clinical Neurophysiology</i> , 2013, 124, 101-106.	0.7	217
8	The Nociception Coma Scale: A new tool to assess nociception in disorders of consciousness. <i>Pain</i> , 2010, 148, 215-219.	2.0	153
9	Metabolic activity in external and internal awareness networks in severely brain-damaged patients. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 487-494.	0.8	119
10	Controlled clinical trial of repeated prefrontal tDCS in patients with chronic minimally conscious state. <i>Brain Injury</i> , 2017, 31, 466-474.	0.6	119
11	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> , 2012, 27, 41-7.	1.3	118
12	A sensitive scale to assess nociceptive pain in patients with disorders of consciousness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 1233-1237.	0.9	101
13	Quantitative Rates of Brain Glucose Metabolism Distinguish Minimally Conscious from Vegetative State Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 58-65.	2.4	99
14	Relationship between etiology and covert cognition in the minimally conscious state. <i>Neurology</i> , 2012, 78, 816-822.	1.5	98
15	Pupil responses allow communication in locked-in syndrome patients. <i>Current Biology</i> , 2013, 23, R647-R648.	1.8	79
16	Different beliefs about pain perception in the vegetative and minimally conscious states: a European survey of medical and paramedical professionals. <i>Progress in Brain Research</i> , 2009, 177, 329-338.	0.9	78
17	Clinical Response to tDCS Depends on Residual Brain Metabolism and Grey Matter Integrity in Patients With Minimally Conscious State. <i>Brain Stimulation</i> , 2015, 8, 1116-1123.	0.7	76
18	Brain-computer interfacing in disorders of consciousness. <i>Brain Injury</i> , 2012, 26, 1510-1522.	0.6	74

#	ARTICLE	IF	CITATIONS
19	Preservation of Brain Activity in Unresponsive Patients Identifies <scp>MCS</scp> Star. Annals of Neurology, 2021, 90, 89-100.	2.8	70
20	Pain issues in disorders of consciousness. Brain Injury, 2014, 28, 1202-1208.	0.6	67
21	Sensitivity and Specificity of the Coma Recovery Scaleâ€™s Revised Total Score in Detection of Consciousness. Archives of Physical Medicine and Rehabilitation, 2016, 97, 490-492.e1.	0.5	66
22	General Anesthesia: A Probe to Explore Consciousness. Frontiers in Systems Neuroscience, 2019, 13, 36.	1.2	66
23	Functional Networks in Disorders of Consciousness. Seminars in Neurology, 2017, 37, 485-502.	0.5	65
24	What about Pain in Disorders of Consciousness?. AAPS Journal, 2012, 14, 437-444.	2.2	64
25	Disorders of consciousness: What's in a name?. NeuroRehabilitation, 2011, 28, 3-14.	0.5	63
26	Assessment and detection of pain in noncommunicative severely brain-injured patients. Expert Review of Neurotherapeutics, 2010, 10, 1725-1731.	1.4	62
27	Electrophysiological investigations of brain function in coma, vegetative and minimally conscious patients. Archives Italiennes De Biologie, 2012, 150, 122-39.	0.1	62
28	A Comparison of Two Spelling Brain-Computer Interfaces Based on Visual P3 and SSVEP in Locked-In Syndrome. PLoS ONE, 2013, 8, e73691.	1.1	59
29	Multicenter prospective study on predictors of short-term outcome in disorders of consciousness. Neurology, 2020, 95, e1488-e1499.	1.5	56
30	Decreased integration of EEG source-space networks in disorders of consciousness. NeuroImage: Clinical, 2019, 23, 101841.	1.4	52
31	Diagnostic accuracy of the CRS-R index in patients with disorders of consciousness. Brain Injury, 2019, 33, 1409-1412.	0.6	50
32	Changes in cerebral metabolism in patients with a minimally conscious state responding to zolpidem. Frontiers in Human Neuroscience, 2014, 8, 917.	1.0	49
33	Electroencephalographic profiles for differentiation of disorders of consciousness. BioMedical Engineering OnLine, 2013, 12, 109.	1.3	48
34	Prevalence of coma-recovery scale-revised signs of consciousness in patients in minimally conscious state. Neuropsychological Rehabilitation, 2018, 28, 1350-1359.	1.0	48
35	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. Frontiers in Neurology, 2018, 9, 769.	1.1	48
36	Effect of zolpidem in chronic disorders of consciousness: a prospective open-label study. Functional Neurology, 2013, 28, 259-64.	1.3	43

#	ARTICLE	IF	CITATIONS
37	The relation between catastrophizing and facial responsiveness to pain. <i>Pain</i> , 2008, 140, 127-134.	2.0	41
38	Correlation between resting state <scp>fMRI</scp> total neuronal activity and <scp>PET</scp> metabolism in healthy controls and patients with disorders of consciousness. <i>Brain and Behavior</i> , 2016, 6, e00424.	1.0	40
39	Motor behavior unmasks residual cognition in disorders of consciousness. <i>Annals of Neurology</i> , 2019, 85, 443-447.	2.8	40
40	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> , 2016, 32, 321-326.	0.8	38
41	Reanalysis of “Bedside detection of awareness in the vegetative state: a cohort study” Authors' reply. <i>Lancet</i> , The, 2013, 381, 291-292.	6.3	36
42	Nociception Coma Scale“Revised Scores Correlate With Metabolism in the Anterior Cingulate Cortex. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 149-152.	1.4	36
43	Assessing Command-Following and Communication With Vibro-Tactile P300 Brain-Computer Interface Tools in Patients With Unresponsive Wakefulness Syndrome. <i>Frontiers in Neuroscience</i> , 2018, 12, 423.	1.4	35
44	Detection and Interpretation of Impossible and Improbable Coma Recovery Scale-Revised Scores. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1295-1300.e4.	0.5	34
45	Feasibility of an EEG-based brain-computer interface in the intensive care unit. <i>Clinical Neurophysiology</i> , 2018, 129, 1519-1525.	0.7	33
46	Spasticity in disorders of consciousness: a behavioral study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2015, 51, 389-97.	1.1	33
47	Covert Cognition in Disorders of Consciousness: A Meta-Analysis. <i>Brain Sciences</i> , 2020, 10, 930.	1.1	31
48	Detection of visual pursuit in patients in minimally conscious state: A matter of stimuli and visual plane?. <i>Brain Injury</i> , 2014, 28, 1164-1170.	0.6	30
49	Simplified evaluation of CONsciousness disorders (SECONDS) in individuals with severe brain injury: A validation study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101432.	1.1	29
50	Brain dead yet mind alive: A positron emission tomography case study of brain metabolism in Cotard's syndrome. <i>Cortex</i> , 2013, 49, 1997-1999.	1.1	27
51	Theta network centrality correlates with tDCS response in disorders of consciousness. <i>Brain Stimulation</i> , 2018, 11, 1407-1409.	0.7	27
52	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> , 2018, 99, 1755-1762.	0.5	26
53	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> , 2020, 34, 172-184.	1.4	26
54	Peri-personal space encoding in patients with disorders of consciousness and cognitive-motor dissociation. <i>NeuroImage: Clinical</i> , 2019, 24, 101940.	1.4	23

#	ARTICLE	IF	CITATIONS
55	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> , 2019, 62, 418-425.	1.1	22
56	Disorders of consciousness: Moving from passive to resting state and active paradigms. <i>Cognitive Neuroscience</i> , 2010, 1, 193-203.	0.6	21
57	Electromyographic decoding of response to command in disorders of consciousness. <i>Neurology</i> , 2016, 87, 2099-2107.	1.5	21
58	The Clinical Diagnostic Utility of Electrophysiological Techniques in Assessment of Patients With Disorders of Consciousness Following Acquired Brain Injury: A Systematic Review. <i>Journal of Head Trauma Rehabilitation</i> , 2017, 32, 185-196.	1.0	21
59	Heart Rate Variability as an Indicator of Nociceptive Pain in Disorders of Consciousness?. <i>Journal of Pain and Symptom Management</i> , 2019, 57, 47-56.	0.6	21
60	Risk factors for 2-year mortality in patients with prolonged disorders of consciousness: An international multicentre study. <i>European Journal of Neurology</i> , 2022, 29, 390-399.	1.7	21
61	BCI Performance and Brain Metabolism Profile in Severely Brain-Injured Patients Without Response to Command at Bedside. <i>Frontiers in Neuroscience</i> , 2018, 12, 370.	1.4	20
62	Detection of response to command using voluntary control of breathing in disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1020.	1.0	19
63	Physical therapy in patients with disorders of consciousness: Impact on spasticity and muscle contracture. <i>NeuroRehabilitation</i> , 2018, 42, 199-205.	0.5	18
64	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> , 2020, 10, 469.	1.1	18
65	Toward an Attention-Based Diagnostic Tool for Patients With Locked-in Syndrome. <i>Clinical EEG and Neuroscience</i> , 2018, 49, 122-135.	0.9	17
66	EEG Correlates of Language Function in Traumatic Disorders of Consciousness. <i>Neurocritical Care</i> , 2020, 33, 449-457.	1.2	17
67	Auditory localization should be considered as a sign of minimally conscious state based on multimodal findings. <i>Brain Communications</i> , 2020, 2, fcaa195.	1.5	17
68	Transcranial direct current stimulation unveils covert consciousness. <i>Brain Stimulation</i> , 2018, 11, 642-644.	0.7	16
69	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> , 2020, 14, 294.	1.4	15
70	Conscious While Being Considered in an Unresponsive Wakefulness Syndrome for 20 Years. <i>Frontiers in Neurology</i> , 2018, 9, 671.	1.1	14
71	Auditory and Somatosensory P3 Are Complementary for the Assessment of Patients with Disorders of Consciousness. <i>Brain Sciences</i> , 2020, 10, 748.	1.1	13
72	Performance Differences Using a Vibro-Tactile P300 BCI in LIS-Patients Diagnosed With Stroke and ALS. <i>Frontiers in Neuroscience</i> , 2018, 12, 514.	1.4	12

#	ARTICLE	IF	CITATIONS
73	Nociception Coma Scale-Revised Allows to Identify Patients With Preserved Neural Basis for Pain Experience. <i>Journal of Pain</i> , 2020, 21, 742-750.	0.7	11
74	SECONDS Administration Guidelines: A Fast Tool to Assess Consciousness in Brain-injured Patients. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	11
75	Residual implicit and explicit language abilities in patients with disorders of consciousness: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 391-409.	2.9	10
76	Objective assessment of visual pursuit in patients with disorders of consciousness: an exploratory study. <i>Journal of Neurology</i> , 2017, 264, 928-937.	1.8	9
77	Brain-Computer Interface for Assessing Consciousness in Severely Brain-Injured Patients. , 2015, , 133-148.		8
78	Can the Nociception Coma Scale-Revised Be Used in Patients With a Tracheostomy?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 1064-1067.	0.5	6
79	The Brief Evaluation of Receptive Aphasia test for the detection of language impairment in patients with severe brain injury. <i>Brain Injury</i> , 2021, 35, 705-717.	0.6	6
80	Detecting Consciousness with a Brain-Computer Interface. <i>Biosystems and Biorobotics</i> , 2013, , 1261-1264.	0.2	6
81	Bedside detection of awareness in the vegetative state “ Authors' reply. <i>Lancet, The</i> , 2012, 379, 1702.	6.3	5
82	Minimally Conscious State. , 2016, , 167-185.		5
83	Evaluation of the effect of analgesic treatment on signs of nociception-related behaviors during physiotherapy in patients with disorders of consciousness: a pilot crossover randomized controlled trial. <i>Pain</i> , 2022, 163, e349-e356.	2.0	5
84	Functional Imaging and Impaired Consciousness. , 2012, , 25-34.		4
85	The Ethics of Managing Disorders of Consciousness. , 2012, , 147-154.		3
86	Eye gaze and conscious processing in severely brain-injured patients. <i>Behavioral and Brain Sciences</i> , 2010, 33, 442-443.	0.4	2
87	A study of the reliability and validity of the Chinese version of the Nociception Coma Scale“Revised. <i>Clinical Rehabilitation</i> , 2020, 34, 1112-1121.	1.0	2
88	Disorders of Consciousness: What Do We Know?. <i>Research and Perspectives in Neurosciences</i> , 2011, , 85-98.	0.4	2
89	Brain-Computer Interfaces and Diagnosis. <i>The International Library of Ethics, Law and Technology</i> , 2014, , 39-47.	0.2	2
90	Pain and spastic features in chronic DOC patient: A cross-sectional retrospective study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2022, 65, 101566.	1.1	2

#	ARTICLE	IF	CITATIONS
91	Poster 20: A New Tool to Detect Pain in Disorders of Consciousness: The Coma Pain Scale. Archives of Physical Medicine and Rehabilitation, 2009, 90, e18.	0.5	1
92	Brain-Computer Interface: A Communication Aid?. , 2012, , 67-78.		1
93	Improving EEG-BCI analysis for low certainty subjects by using dictionary learning. , 2015, , .		1
94	Understanding Disorders of Consciousness. , 2011, , .		1
95	PET Imaging in Altered States of Consciousness: Coma, Sleep, and Hypnosis. , 2014, , 965-986.		0
96	Poster 45 Utility of the Coma Recovery Scale-Revised Total Score in Detecting Conscious Awareness. PM and R, 2015, 7, S106-S106.	0.9	0
97	Poster 44 An Empirical Classification Scheme for Detection of Impossible and Improbable CRS-R Subscore Combinations. PM and R, 2015, 7, S106-S106.	0.9	0
98	Electrophysiology in Disorders of Consciousness: From Conventional EEG Visual Analysis to Brain-Computer Interfaces. , 2018, , 51-75.		0
99	D'ordres de la conscience : Aspects thiques. , 2011, , 157-164.		0