

Aurore Thibaut

List of Publications by Year in descending order

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101
papers

4,543
citations

172207

29
h-index

123241

61
g-index

110
all docs

110
docs citations

110
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2011, 258, 1373-1384.	1.8	530
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	Spasticity after stroke: Physiology, assessment and treatment. <i>Brain Injury</i> , 2013, 27, 1093-1105.	0.6	301
4	tDCS in patients with disorders of consciousness. <i>Neurology</i> , 2014, 82, 1112-1118.	1.5	262
5	Therapeutic interventions in patients with prolonged disorders of consciousness. <i>Lancet Neurology, The</i> , 2019, 18, 600-614.	4.9	228
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	Measures of metabolism and complexity in the brain of patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2017, 14, 354-362.	1.4	133
8	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
9	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
10	Minimally conscious state "plus" diagnostic criteria and relation to functional recovery. <i>Journal of Neurology</i> , 2020, 267, 1245-1254.	1.8	94
11	Randomized controlled trial of home-based 4-week tDCS in chronic minimally conscious state. <i>Brain Stimulation</i> , 2018, 11, 982-990.	0.7	93
12	The Minimal Energetic Requirement of Sustained Awareness after Brain Injury. <i>Current Biology</i> , 2016, 26, 1494-1499.	1.8	88
13	EEG ultradian rhythmicity differences in disorders of consciousness during wakefulness. <i>Journal of Neurology</i> , 2016, 263, 1746-1760.	1.8	85
14	Non-invasive brain stimulation for fine motor improvement after stroke: a meta-analysis. <i>European Journal of Neurology</i> , 2018, 25, 1017-1026.	1.7	82
15	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
16	Preservation of Brain Activity in Unresponsive Patients Identifies <sc>MCS</sc> Star. <i>Annals of Neurology</i> , 2021, 90, 89-100.	2.8	70
17	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021, 35, 68-85.	1.2	60
18	Multicenter prospective study on predictors of short-term outcome in disorders of consciousness. <i>Neurology</i> , 2020, 95, e1488-e1499.	1.5	56

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19	Methods and strategies of tDCS for the treatment of pain: current status and future directions. Expert Review of Medical Devices, 2020, 17, 879-898.	1.4	56
20	Decreased integration of EEG source-space networks in disorders of consciousness. NeuroImage: Clinical, 2019, 23, 101841.	1.4	52
21	Cerebral response to subject's own name showed high prognostic value in traumatic vegetative state. BMC Medicine, 2015, 13, 83.	2.3	50
22	Diagnostic accuracy of the CRS-R index in patients with disorders of consciousness. Brain Injury, 2019, 33, 1409-1412.	0.6	50
23	Changes in cerebral metabolism in patients with a minimally conscious state responding to zolpidem. Frontiers in Human Neuroscience, 2014, 8, 917.	1.0	49
24	Using Brain Oscillations and Corticospinal Excitability to Understand and Predict Post-Stroke Motor Function. Frontiers in Neurology, 2017, 8, 187.	1.1	48
25	Prevalence of coma-recovery scale-revised signs of consciousness in patients in minimally conscious state. Neuropsychological Rehabilitation, 2018, 28, 1350-1359.	1.0	48
26	Functional Connectivity Substrates for tDCS Response in Minimally Conscious State Patients. Frontiers in Cellular Neuroscience, 2016, 10, 257.	1.8	42
27	Assessing consciousness in coma and related states using transcranial magnetic stimulation combined with electroencephalography. Annales Francaises D'Anesthesie Et De Reanimation, 2014, 33, 65-71.	1.4	41
28	Searching for the optimal tDCS target for motor rehabilitation. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 90.	2.4	40
29	Loss of consciousness reduces the stability of brain hubs and the heterogeneity of brain dynamics. Communications Biology, 2021, 4, 1037.	2.0	40
30	Global structural integrity and effective connectivity in patients with disorders of consciousness. Brain Stimulation, 2018, 11, 358-365.	0.7	39
31	Nociception Coma Scale's Revised Scores Correlate With Metabolism in the Anterior Cingulate Cortex. Neurorehabilitation and Neural Repair, 2014, 28, 149-152.	1.4	36
32	Update on neuroimaging in disorders of consciousness. Current Opinion in Neurology, 2021, 34, 488-496.	1.8	36
33	Repeated stimulation of the posterior parietal cortex in patients in minimally conscious state: A sham-controlled randomized clinical trial. Brain Stimulation, 2017, 10, 718-720.	0.7	35
34	Surface EEG-Transcranial Direct Current Stimulation (tDCS) Closed-Loop System. International Journal of Neural Systems, 2017, 27, 1750026.	3.2	35
35	Transcutaneous Auricular Vagal Nerve Stimulation and Disorders of Consciousness: A Hypothesis for Mechanisms of Action. Frontiers in Neurology, 2020, 11, 933.	1.1	30
36	Simplified evaluation of CONsciousness disorders (SECONDS) in individuals with severe brain injury: A validation study. Annals of Physical and Rehabilitation Medicine, 2021, 64, 101432.	1.1	29

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37	Quantifying arousal and awareness in altered states of consciousness using interpretable deep learning. <i>Nature Communications</i> , 2022, 13, 1064.	5.8	29
38	Behavioral and electrophysiological effects of network-based frontoparietal tDCS in patients with severe brain injury: A randomized controlled trial. <i>NeuroImage: Clinical</i> , 2020, 28, 102426.	1.4	28
39	Theta network centrality correlates with tDCS response in disorders of consciousness. <i>Brain Stimulation</i> , 2018, 11, 1407-1409.	0.7	27
40	Effects of Prefrontal Transcranial Direct Current Stimulation and Motivation to Quit in Tobacco Smokers: A Randomized, Sham Controlled, Double-Blind Trial. <i>Frontiers in Pharmacology</i> , 2018, 9, 14.	1.6	26
41	Single tDCS session of motor cortex in patients with disorders of consciousness: a pilot study. <i>Brain Injury</i> , 2019, 33, 1679-1683.	0.6	26
42	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
43	Delayed pain decrease following M1 tDCS in spinal cord injury: A randomized controlled clinical trial. <i>Neuroscience Letters</i> , 2017, 658, 19-26.	1.0	25
44	Swallowing in individuals with disorders of consciousness: A cohort study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101403.	1.1	25
45	Brain, Behavior, and Cognitive Interplay in Disorders of Consciousness: A Multiple Case Study. <i>Frontiers in Neurology</i> , 2018, 9, 665.	1.1	23
46	Corticospinal excitability as a biomarker of myofascial pain syndrome. <i>Pain Reports</i> , 2017, 2, e594.	1.4	22
47	Spasticity Management in Disorders of Consciousness. <i>Brain Sciences</i> , 2017, 7, 162.	1.1	22
48	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
49	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
50	Neural signature of tDCS, tPCS and their combination: Comparing the effects on neural plasticity. <i>Neuroscience Letters</i> , 2017, 637, 207-214.	1.0	20
51	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> , 2015, 29, 830-836.	0.6	19
52	Physical therapy in patients with disorders of consciousness: Impact on spasticity and muscle contracture. <i>NeuroRehabilitation</i> , 2018, 42, 199-205.	0.5	18
53	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
54	Resistance to eye opening in patients with disorders of consciousness. <i>Journal of Neurology</i> , 2018, 265, 1376-1380.	1.8	17

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55	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
56	Transcranial direct current stimulation unveils covert consciousness. <i>Brain Stimulation</i> , 2018, 11, 642-644.	0.7	16
57	Effects of Transcranial Direct Current Stimulation, Transcranial Pulsed Current Stimulation, and Their Combination on Brain Oscillations in Patients with Chronic Visceral Pain: A Pilot Crossover Randomized Controlled Study. <i>Frontiers in Neurology</i> , 2017, 8, 576.	1.1	15
58	Treating Disorders of Consciousness With Apomorphine: Protocol for a Double-Blind Randomized Controlled Trial Using Multimodal Assessments. <i>Frontiers in Neurology</i> , 2019, 10, 248.	1.1	15
59	Brain plasticity after implanted peroneal nerve electrical stimulation to improve gait in chronic stroke patients: Two case reports. <i>NeuroRehabilitation</i> , 2017, 40, 251-258.	0.5	13
60	Strategies for replacing non-invasive brain stimulation sessions: recommendations for designing neurostimulation clinical trials. <i>Expert Review of Medical Devices</i> , 2017, 14, 633-649.	1.4	13
61	Emerging targets and uses of neuromodulation for pain. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 109-118.	1.4	12
62	Distinct behavioral response of primary motor cortex stimulation in itch and pain after burn injury. <i>Neuroscience Letters</i> , 2019, 690, 89-94.	1.0	12
63	Transcranial Pulsed-Current Stimulation versus Transcranial Direct Current Stimulation in Patients with Disorders of Consciousness: A Pilot, Sham-Controlled Cross-Over Double-Blind Study. <i>Brain Sciences</i> , 2022, 12, 429.	1.1	12
64	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
65	SECONDS Administration Guidelines: A Fast Tool to Assess Consciousness in Brain-injured Patients. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	11
66	A novel closed-loop EEG-tDCS approach to promote responsiveness of patients in minimally conscious state: A study protocol. <i>Behavioural Brain Research</i> , 2021, 409, 113311.	1.2	11
67	Decreased Evoked Slow-Activity After tDCS in Disorders of Consciousness. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 62.	1.2	9
68	Patterns of brain oscillations across different electrode montages in transcranial pulsed current stimulation. <i>NeuroReport</i> , 2017, 28, 421-425.	0.6	8
69	Understanding Negative Results in tDCS Research: The Importance of Neural Targeting and Cortical Engagement. <i>Frontiers in Neuroscience</i> , 2017, 11, 707.	1.4	8
70	Median nerve stimulation induced motor learning in healthy adults: A study of timing of stimulation and type of learning. <i>European Journal of Neuroscience</i> , 2018, 48, 1667-1679.	1.2	8
71	Evaluation of fascial manipulation in carpal tunnel syndrome: a pilot randomized clinical trial. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 630-631.	1.1	7
72	Towards new methods of diagnosis in disorders of consciousness – Authors' reply. <i>Lancet Neurology</i> , The, 2016, 15, 1115-1116.	4.9	6

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73	Can the Nociception Coma Scale-Revised Be Used in Patients With a Tracheostomy?. Archives of Physical Medicine and Rehabilitation, 2020, 101, 1064-1067.	0.5	6
74	Principles of Designing a Clinical Trial: Optimizing Chances of Trial Success. Current Behavioral Neuroscience Reports, 2018, 5, 143-152.	0.6	5
75	Transcranial direct current stimulation to prevent and treat surgery-induced opioid dependence: a systematic review. Pain Management, 2019, 9, 93-106.	0.7	5
76	EEG modulation by different transcranial direct current stimulation (tDCS) montages: a randomized double-blind sham-control mechanistic pilot trial in healthy participants. Expert Review of Medical Devices, 2021, 18, 107-120.	1.4	5
77	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. Pain, 2022, 163, e349-e356.	2.0	5
78	Epilepsy in prolonged disorders of consciousness: a systematic review. Brain Injury, 2021, 35, 1485-1495.	0.6	5
79	Management of Epileptic Seizures in Disorders of Consciousness: An International Survey. Frontiers in Neurology, 2021, 12, 799579.	1.1	5
80	Detecting Brain Activity Following a Verbal Command in Patients With Disorders of Consciousness. Frontiers in Neuroscience, 2019, 13, 976.	1.4	4
81	Impact of microprocessor prosthetic knee on mobility and quality of life in patients with lower limb amputation: a systematic review of the literature. European Journal of Physical and Rehabilitation Medicine, 2022, 58, .	1.1	4
82	Changes of Spasticity across Time in Prolonged Disorders of Consciousness: A Retrospective Study. Brain Sciences, 2022, 12, 295.	1.1	4
83	Clinical and electrophysiological investigation of spastic muscle overactivity in patients with disorders of consciousness following severe brain injury. Clinical Neurophysiology, 2019, 130, 207-213.	0.7	3
84	A review of burn symptoms and potential novel neural targets for non-invasive brain stimulation for treatment of burn sequelae. Burns, 2021, 47, 525-537.	1.1	3
85	Neuroimaging and neurophysiological diagnosis and prognosis in paediatric disorders of consciousness. Developmental Medicine and Child Neurology, 2022, 64, 681-690.	1.1	3
86	French Survey on Pain Perception and Management in Patients with Locked-In Syndrome. Diagnostics, 2022, 12, 769.	1.3	3
87	Does non-invasive brain stimulation modify hand dexterity? Protocol for a systematic review and meta-analysis. BMJ Open, 2017, 7, e015669.	0.8	2
88	How Does Spasticity Affect Patients with Disorders of Consciousness?. , 2018, , 119-135.		2
89	416 Effects of Transcranial Direct Current Stimulation on Pain and Itch after Burn Injury. Journal of Burn Care and Research, 2019, 40, S180-S181.	0.2	2
90	Pain and spastic features in chronic DOC patient: A cross-sectional retrospective study. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101566.	1.1	2

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91	Dance training and performance in patients with Parkinson disease: Effects on motor functions and patients' well-being. <i>Science and Sports</i> , 2022, 37, 45-50.	0.2	2
92	Diagnostic, pronostic et traitements des troubles de la conscience. <i>NPG Neurologie - Psychiatrie - Geriatrie</i> , 2018, 18, 47-59.	0.1	1
93	New Therapeutic Options for the Treatment of Patients with Disorders of Consciousness: The Field of Neuromodulation. , 2018, , 207-223.		1
94	Non-invasive brain stimulation for treatment of severe disorders of consciousness in people with acquired brain injury. <i>The Cochrane Library</i> , 0, , .	1.5	1
95	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> , 2021, 64, 101358.	1.1	1
96	Neurorehabilitation for people with disorders of consciousness: an international survey of health-care structures and access to treatment, (Part 1). <i>Brain Injury</i> , 2022, 36, 850-859.	0.6	1
97	Beneficial effects of a supervised and individualized training circuit on physical capacities and quality of life of patients suffering from multiple sclerosis. <i>Science and Sports</i> , 2022, 37, 468-476.	0.2	1
98	Optimization of Noninvasive Brain Stimulation Clinical Trials. , 2018, , 1627-1635.		0
99	Transcranial Direct Current Stimulation in Disorders of Consciousness. , 2021, , 635-651.		0
100	Prediction of Minimally Conscious State Responder Patients to Non-invasive Brain Stimulation Using Machine Learning Algorithms. <i>Lecture Notes in Computer Science</i> , 2021, , 515-525.	1.0	0
101	Transcranial direct current stimulation (tDCS) for improving fatigue, motor function, and pain in people with multiple sclerosis. <i>The Cochrane Library</i> , 2021, 2021, .	1.5	0