

Samar S Ayache

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7270703/publications.pdf>

Version: 2024-02-01

113
papers

6,134
citations

136950

32
h-index

76900

74
g-index

138
all docs

138
docs citations

138
times ranked

7140
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014, 125, 2150-2206.	1.5	1,647
2	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). <i>Clinical Neurophysiology</i> , 2017, 128, 56-92.	1.5	1,213
3	Clinical Characteristics and Outcomes in Patients With Coronavirus Disease 2019 and Multiple Sclerosis. <i>JAMA Neurology</i> , 2020, 77, 1079.	9.0	357
4	Comparison of "standard" and "navigated" procedures of TMS coil positioning over motor, premotor and prefrontal targets in patients with chronic pain and depression. <i>Neurophysiologie Clinique</i> , 2010, 40, 27-36.	2.2	174
5	Transcranial magnetic stimulation of the brain. <i>Pain</i> , 2015, 156, 1601-1614.	4.2	125
6	Definition of DLPFC and M1 according to anatomical landmarks for navigated brain stimulation: Inter-rater reliability, accuracy, and influence of gender and age. <i>NeuroImage</i> , 2013, 78, 224-232.	4.2	119
7	Fatigue in multiple sclerosis " Insights into evaluation and management. <i>Neurophysiologie Clinique</i> , 2017, 47, 139-171.	2.2	118
8	Prefrontal tDCS Decreases Pain in Patients with Multiple Sclerosis. <i>Frontiers in Neuroscience</i> , 2016, 10, 147.	2.8	106
9	Fatigue in Multiple Sclerosis: Neural Correlates and the Role of Non-Invasive Brain Stimulation. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 460.	3.7	103
10	Analgesic effects of repetitive transcranial magnetic stimulation of the motor cortex in neuropathic pain: Influence of theta burst stimulation priming. <i>European Journal of Pain</i> , 2012, 16, 1403-1413.	2.8	95
11	Long-term safety and efficacy of patisiran for hereditary transthyretin-mediated amyloidosis with polyneuropathy: 12-month results of an open-label extension study. <i>Lancet Neurology</i> , The, 2021, 20, 49-59.	10.2	93
12	DMTs and Covid-19 severity in MS: a pooled analysis from Italy and France. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1738-1744.	3.7	86
13	Effects of left DLPFC versus right PPC tDCS on multiple sclerosis fatigue. <i>Journal of the Neurological Sciences</i> , 2017, 372, 131-137.	0.6	76
14	Long-term treatment of transthyretin familial amyloid polyneuropathy with tafamidis: a clinical and neurophysiological study. <i>Journal of Neurology</i> , 2017, 264, 268-276.	3.6	76
15	Repetitive transcranial magnetic stimulation and transcranial direct-current stimulation in neuropathic pain due to radiculopathy. <i>Pain</i> , 2016, 157, 1224-1231.	4.2	74
16	Non-invasive Brain Stimulation Therapy in Multiple Sclerosis: A Review of tDCS, rTMS and ECT Results. <i>Brain Stimulation</i> , 2014, 7, 849-854.	1.6	60
17	Repetitive transcranial magnetic stimulation for neuropathic pain: a randomized multicentre sham-controlled trial. <i>Brain</i> , 2021, 144, 3328-3339.	7.6	59
18	Deficits in Social Cognition: An Unveiled Signature of Multiple Sclerosis. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 266-286.	1.8	57

#	ARTICLE	IF	CITATIONS
19	The Hand Motor Hotspot is not Always Located in the Hand Knob: A Neuronavigated Transcranial Magnetic Stimulation Study. <i>Brain Topography</i> , 2016, 29, 590-597.	1.8	56
20	Stroke rehabilitation using noninvasive cortical stimulation: motor deficit. <i>Expert Review of Neurotherapeutics</i> , 2012, 12, 949-972.	2.8	55
21	Analgesic effects of navigated motor cortex <scp>rTMS</scp> in patients with chronic neuropathic pain. <i>European Journal of Pain</i> , 2016, 20, 1413-1422.	2.8	51
22	Effects of transcranial random noise stimulation (tRNS) on affect, pain and attention in multiple sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 189-199.	0.7	50
23	Theory of mind in multiple sclerosis: A neuropsychological and MRI study. <i>Neuroscience Letters</i> , 2017, 658, 108-113.	2.1	47
24	The treatment of fatigue by non-invasive brain stimulation. <i>Neurophysiologie Clinique</i> , 2017, 47, 173-184.	2.2	46
25	A reappraisal of the value of lateral spread response monitoring in the treatment of hemifacial spasm by microvascular decompression. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009, 80, 1375-1380.	1.9	45
26	Assessing mNIS+7_{lonis} and international neurologists' proficiency in a familial amyloidotic polyneuropathy trial. <i>Muscle and Nerve</i> , 2017, 56, 901-911.	2.2	42
27	Pain-related evoked potentials: A comparative study between electrical stimulation using a concentric planar electrode and laser stimulation using a CO2 laser. <i>Neurophysiologie Clinique</i> , 2012, 42, 199-206.	2.2	38
28	Is there a link between inflammation and fatigue in multiple sclerosis?. <i>Journal of Inflammation Research</i> , 2018, Volume 11, 253-264.	3.5	38
29	Cognitive behavioral therapies and multiple sclerosis fatigue: A review of literature. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 1-4.	1.5	37
30	High-Frequency Neuronavigated rTMS in Auditory Verbal Hallucinations: A Pilot Double-Blind Controlled Study in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018, 44, 505-514.	4.3	37
31	Neurophysiological, radiological and neuropsychological evaluation of fatigue in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 28, 145-152.	2.0	37
32	Alexithymia in multiple sclerosis: A systematic review of literature. <i>Neuropsychologia</i> , 2017, 104, 31-47.	1.6	36
33	Stroke rehabilitation using noninvasive cortical stimulation: aphasia. <i>Expert Review of Neurotherapeutics</i> , 2012, 12, 973-982.	2.8	34
34	Psychiatric event in multiple sclerosis: could it be the tip of the iceberg?. <i>Revista Brasileira De Psiquiatria</i> , 2017, 39, 365-368.	1.7	34
35	Relapses in multiple sclerosis: effects of high-dose steroids on cortical excitability. <i>European Journal of Neurology</i> , 2014, 21, 630.	3.3	32
36	Patisiran treatment in patients with hereditary transthyretin-mediated amyloidosis with polyneuropathy after liver transplantation. <i>American Journal of Transplantation</i> , 2022, 22, 1646-1657.	4.7	30

#	ARTICLE	IF	CITATIONS
37	Noninvasive Brain Stimulation and Psychotherapy in Anxiety and Depressive Disorders: A Viewpoint. <i>Brain Sciences</i> , 2019, 9, 82.	2.3	28
38	Stroke rehabilitation using noninvasive cortical stimulation: hemispatial neglect. <i>Expert Review of Neurotherapeutics</i> , 2012, 12, 983-991.	2.8	27
39	Fatigue and Affective Manifestations in Multiple Sclerosis—A Cluster Approach. <i>Brain Sciences</i> , 2020, 10, 10.	2.3	26
40	Long term effects of prefrontal tDCS on multiple sclerosis fatigue: A case study. <i>Brain Stimulation</i> , 2017, 10, 1001-1002.	1.6	25
41	Reappraisal of the anatomical landmarks of motor and premotor cortical regions for image-guided brain navigation in TMS practice. <i>Human Brain Mapping</i> , 2014, 35, 2435-2447.	3.6	24
42	Cortical excitability changes over time in progressive multiple sclerosis. <i>Functional Neurology</i> , 2015, 30, 257-63.	1.3	24
43	Bifrontal transcranial direct current stimulation modulates fatigue in multiple sclerosis: a randomized sham-controlled study. <i>Journal of Neural Transmission</i> , 2020, 127, 953-961.	2.8	23
44	Adenosine Triphosphate Metabolism Measured by Phosphorus Magnetic Resonance Spectroscopy: A Potential Biomarker for Multiple Sclerosis Severity. <i>European Neurology</i> , 2017, 77, 316-321.	1.4	21
45	Transcranial direct current stimulation: A glimmer of hope for multiple sclerosis fatigue?. <i>Journal of Clinical Neuroscience</i> , 2018, 55, 10-12.	1.5	19
46	Long-term effects of tDCS on fatigue, mood and cognition in multiple sclerosis. <i>Clinical Neurophysiology</i> , 2017, 128, 2179-2180.	1.5	17
47	Paroxysmal Symptoms in Multiple Sclerosis—A Review of the Literature. <i>Journal of Clinical Medicine</i> , 2020, 9, 3100.	2.4	17
48	Tremor in Multiple Sclerosis—An Overview and Future Perspectives. <i>Brain Sciences</i> , 2020, 10, 722.	2.3	16
49	Fatigue in Multiple Sclerosis: A Review of the Exploratory and Therapeutic Potential of Non-Invasive Brain Stimulation. <i>Frontiers in Neurology</i> , 2022, 13, 813965.	2.4	16
50	Tremor in multiple sclerosis: The intriguing role of the cerebellum. <i>Journal of the Neurological Sciences</i> , 2015, 358, 351-356.	0.6	15
51	Disentangling the Neural Basis of Cognitive Behavioral Therapy in Psychiatric Disorders: A Focus on Depression. <i>Brain Sciences</i> , 2018, 8, 150.	2.3	15
52	Orienting network dysfunction in progressive multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2015, 351, 206-207.	0.6	13
53	A reappraisal of the mechanisms of action of ketamine to treat complex regional pain syndrome in the light of cortical excitability changes. <i>Clinical Neurophysiology</i> , 2018, 129, 990-1000.	1.5	13
54	Cathodal Transcranial Direct Current Stimulation of the Occipital cortex in Episodic Migraine: A Randomized Sham-Controlled Crossover Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 60.	2.4	13

#	ARTICLE	IF	CITATIONS
55	Analysis of tremor in multiple sclerosis using Hilbert-Huang Transform. <i>Neurophysiologie Clinique</i> , 2015, 45, 475-484.	2.2	12
56	Cortical excitability changes: A mirror to the natural history of multiple sclerosis?. <i>Neurophysiologie Clinique</i> , 2017, 47, 221-223.	2.2	12
57	The place of transcranial direct current stimulation in the management of multiple sclerosis-related symptoms. <i>Neurodegenerative Disease Management</i> , 2018, 8, 411-422.	2.2	12
58	Transcranial Direct Current Stimulation of the Occipital Cortex in Medication Overuse Headache: A Pilot Randomized Controlled Cross-Over Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1075.	2.4	12
59	Motor neuron disorder with tongue spasms due to pyrethroid insecticide toxicity. <i>Neurology</i> , 2011, 76, 196-197.	1.1	10
60	Distinction between essential and physiological tremor using Hilbert-Huang transform. <i>Neurophysiologie Clinique</i> , 2014, 44, 203-212.	2.2	10
61	Impaired sleep-associated modulation of post-exercise corticomotor depression in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2015, 354, 91-96.	0.6	10
62	Cortical Excitability Measures May Predict Clinical Response to Fampridine in Patients with Multiple Sclerosis and Gait Impairment. <i>Brain Sciences</i> , 2019, 9, 357.	2.3	10
63	Non-invasive Central and Peripheral Stimulation: New Hope for Essential Tremor?. <i>Frontiers in Neuroscience</i> , 2015, 9, 440.	2.8	9
64	A Scope of the Social Brain in Multiple Sclerosis: Insights From Neuroimaging Studies. <i>Cognitive and Behavioral Neurology</i> , 2020, 33, 90-102.	0.9	8
65	Deciphering the neural underpinnings of alexithymia in multiple sclerosis. <i>Neuroscience Letters</i> , 2020, 725, 134894.	2.1	8
66	Autoimmune Brainstem Encephalitis: An Illustrative Case and a Review of the Literature. <i>Journal of Clinical Medicine</i> , 2021, 10, 2970.	2.4	8
67	The effects of transcranial direct current stimulation on sleep in patients with multiple sclerosisâ€”A pilot study. <i>Neurophysiologie Clinique</i> , 2022, 52, 28-32.	2.2	8
68	A reappraisal of long-latency abdominal muscle reflexes in patients with propriospinal myoclonus. <i>Movement Disorders</i> , 2011, 26, 1759-1762.	3.9	7
69	Somatosensory evoked potentials in the assessment of peripheral neuropathies: Commented results of a survey among French-speaking practitioners and recommendations for practice. <i>Neurophysiologie Clinique</i> , 2015, 45, 131-142.	2.2	7
70	Longitudinal Extensive Transverse Myelitis in an Immunocompetent Older Individualâ€”A Rare Complication of Varicella-Zoster Virus Reactivation. <i>Medicina (Lithuania)</i> , 2019, 55, 201.	2.0	7
71	Clinical description of the broad range of neurological presentations of COVID-19: A retrospective case series. <i>Revue Neurologique</i> , 2021, 177, 275-282.	1.5	7
72	Thalamic stimulation restores defective cerebellocortical inhibition in multiple sclerosis tremor. <i>Movement Disorders</i> , 2009, 24, 467-469.	3.9	6

#	ARTICLE	IF	CITATIONS
73	Interhemispheric inhibition predicts anxiety levels in multiple sclerosis: A corticospinal excitability study. <i>Brain Research</i> , 2018, 1699, 186-194.	2.2	6
74	Effects of Transcranial Direct Current Stimulation on Information Processing Speed, Working Memory, Attention, and Social Cognition in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 545377.	2.4	6
75	Transcranial Direct Current Stimulation and Migraine—The Beginning of a Long Journey. <i>Journal of Clinical Medicine</i> , 2020, 9, 1194.	2.4	6
76	Case Report: Multimodal Functional and Structural Evaluation Combining Pre-operative nTMS Mapping and Neuroimaging With Intraoperative CT-Scan and Brain Shift Correction for Brain Tumor Surgical Resection. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 646268.	2.0	6
77	Distal nerve excitability and conduction studies in a case of rapidly regressive acute motor neuropathy with multiple motor conduction blocks. <i>Journal of the Peripheral Nervous System</i> , 2010, 15, 369-372.	3.1	5
78	Ischemic myopathy revealing systemic calciphylaxis. <i>Muscle and Nerve</i> , 2017, 56, 529-533.	2.2	5
79	The evaluation of depression in multiple sclerosis using the newly proposed Multiple Sclerosis Depression Rating Scale. <i>L'Encephale</i> , 2018, 44, 565-567.	0.9	5
80	Editorial: Corticospinal Excitability in Patients With Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 635612.	2.4	5
81	Neurofeedback therapy for the management of multiple sclerosis symptoms: current knowledge and future perspectives. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 745.	1.7	5
82	The value of sensory nerve conduction studies in the diagnosis of Guillain-Barré syndrome. <i>Clinical Neurophysiology</i> , 2021, 132, 1157-1162.	1.5	5
83	The ulnar ratio as a sensitive and specific marker of acute inflammatory demyelinating polyneuropathy. <i>Clinical Neurophysiology</i> , 2018, 129, 1699-1703.	1.5	4
84	Coaching of lifestyle recommendations improves sensory neurophysiological parameters in neuropathies related to glycemic disorder or metabolic syndrome. A pilot study. <i>Neurophysiologie Clinique</i> , 2019, 49, 59-67.	2.2	4
85	The medial plantar sensory response: A sensitive marker of acute Inflammatory demyelinating polyneuropathy. <i>Clinical Neurophysiology</i> , 2017, 128, 2122-2124.	1.5	3
86	Isolated Mammillary Bodies Damage—An Atypical Presentation of Wernicke Syndrome. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2018, 8, 104.	2.1	3
87	Effects of Transcranial Direct Current Stimulation on Hand Dexterity in Multiple Sclerosis: A Design for a Randomized Controlled Trial. <i>Brain Sciences</i> , 2020, 10, 185.	2.3	3
88	Could Transcranial Direct Current Stimulation Join the Therapeutic Armamentarium in Obsessive-Compulsive Disorder?. <i>Brain Sciences</i> , 2020, 10, 125.	2.3	3
89	Brain Stimulation and Neuroplasticity. <i>Brain Sciences</i> , 2021, 11, 873.	2.3	3
90	Stem Cells Therapy in Multiple Sclerosis - A New Hope for Progressive Forms. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2016, 12, 49-51.	2.2	3

#	ARTICLE	IF	CITATIONS
91	Palatal motor evoked potentials: Description of a new technique. <i>Clinical Neurophysiology</i> , 2014, 125, 1067-1069.	1.5	2
92	Permanent reversal of essential tremor following a frontal lobe stroke. <i>Journal of the Neurological Sciences</i> , 2015, 354, 133-134.	0.6	2
93	Moral Judgment: An Overlooked Deficient Domain in Multiple Sclerosis?. <i>Behavioral Sciences (Basel)</i> , 2021, 10, 211-214. Tj ETQq1 1 0.784314 rgBT /Over	2.1	2
94	A reappraisal of pain-paired associative stimulation suggesting motor inhibition at spinal level. <i>Neurophysiologie Clinique</i> , 2018, 48, 295-302.	2.2	2
95	Precise finger somatotopy revealed by focal motor cortex injury. <i>Neurophysiologie Clinique</i> , 2020, 50, 27-31.	2.2	2
96	Corticospinal inhibition and alexithymia in multiple sclerosis patients – An exploratory study. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 41, 102039.	2.0	2
97	Phosphorus magnetic resonance spectroscopy and fatigue in multiple sclerosis. <i>Journal of Neural Transmission</i> , 2020, 127, 1177-1183.	2.8	2
98	Cognitive fatigability in the healthy brain: Neurophysiological substrates and the use of tDCS. <i>Clinical Neurophysiology</i> , 2021, 132, 1714-1715.	1.5	2
99	Fatigue in multiple sclerosis: pathophysiology and emergent interventions. <i>Archives Italiennes De Biologie</i> , 2019, 156, 149-152.	0.4	2
100	Central and peripheral motor drive to the palatal muscles. <i>Neurophysiologie Clinique</i> , 2016, 46, 63-68.	2.2	1
101	Navigated rTMS for the Treatment of Pain. , 2017, , 221-231.		1
102	Could neurophysiological measures help in understanding alexithymia in multiple sclerosis?. <i>Neurophysiologie Clinique</i> , 2018, 48, 131.	2.2	1
103	Gaze holding abnormalities as an inaugural event in multiple sclerosis - A case report. <i>Clinical Neurology and Neurosurgery</i> , 2020, 198, 106136.	1.4	1
104	Motor preparation impairment in multiple sclerosis: Evidence from the Bereitschaftspotential in simple and complex motor tasks. <i>Neurophysiologie Clinique</i> , 2022, 52, 137-146.	2.2	1
105	Toward a better dexterity: Direction for future studies. <i>Clinical Neurophysiology</i> , 2013, 124, 1488-1489.	1.5	0
106	Action-induced clonus: Underlying mechanisms revisited. <i>Clinical Neurophysiology</i> , 2014, 125, 1496-1498.	1.5	0
107	Reply. <i>Pain</i> , 2016, 157, 1175-1176.	4.2	0
108	A35 TRNS effects on multiple sclerosis symptoms: A randomized double-blind sham-controlled trial. <i>Clinical Neurophysiology</i> , 2017, 128, e191.	1.5	0

#	ARTICLE	IF	CITATIONS
109	P268 The effects of high-dose steroids on cortical excitability in acute multiple sclerosis relapses. <i>Clinical Neurophysiology</i> , 2017, 128, e264.	1.5	0
110	Efficacy of high-frequency neuronavigated repetitive TMS in auditory verbal hallucinations: a double-blind controlled study in patients with schizophrenia. <i>European Neuropsychopharmacology</i> , 2017, 27, S957.	0.7	0
111	tDCS effects on cortical excitability in multiple sclerosis fatigue. <i>Neurophysiologie Clinique</i> , 2018, 48, 128.	2.2	0
112	Corticospinal excitability and psychiatric symptoms in multiple sclerosis. <i>Neurophysiologie Clinique</i> , 2018, 48, 128-129.	2.2	0
113	Sleep disorders in multiple sclerosis: present-day knowledge and future perspectives. <i>Sleep Medicine and Disorders: International Journal</i> , 2017, 1, .	0.8	0