

# Hugo ThÃ©oret

## List of Publications by Year in descending order

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107  
papers

6,891  
citations

61984

43  
h-index

62596

80  
g-index

107  
all docs

107  
docs citations

107  
times ranked

7476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose-response of intermittent theta burst stimulation of the prefrontal cortex: A TMS-EEG study. <i>Clinical Neurophysiology</i> , 2022, 136, 158-172.	1.5	14
2	Diffusion Tensor Imaging in Contact and Non-Contact University-Level Sport Athletes. <i>Journal of Neurotrauma</i> , 2021, 38, 529-537.	3.4	8
3	Transcranial Magnetic Stimulation and H1-Magnetic Resonance Spectroscopy Measures of Excitation and Inhibition Following Lorazepam Administration. <i>Neuroscience</i> , 2021, 452, 235-246.	2.3	11
4	No aftereffects of high current density 10ÂHz and 20ÂHz tACS on sensorimotor alpha and beta oscillations. <i>Scientific Reports</i> , 2021, 11, 21416.	3.3	10
5	Neurophysiological aftereffects of 10â€Hz and 20â€Hz transcranial alternating current stimulation over bilateral sensorimotor cortex. <i>Brain Research</i> , 2020, 1727, 146542.	2.2	2
6	Neural function in <i>DCC</i> mutation carriers with and without mirror movements. <i>Annals of Neurology</i> , 2019, 85, 433-442.	5.3	12
7	Longitudinal assessment of 1H-MRS (GABA and Glx) and TMS measures of cortical inhibition and facilitation in the sensorimotor cortex. <i>Experimental Brain Research</i> , 2019, 237, 3461-3474.	1.5	17
8	Increased Myo-Inositol in Primary Motor Cortex of Contact Sports Athletes without a History of Concussion. <i>Journal of Neurotrauma</i> , 2018, 35, 953-962.	3.4	12
9	Mesocorticolimbic Connectivity and Volumetric Alterations in<i>DCC</i> Mutation Carriers. <i>Journal of Neuroscience</i> , 2018, 38, 4655-4665.	3.6	23
10	A review of the effects of physical activity and sports concussion on brain function and anatomy. <i>International Journal of Psychophysiology</i> , 2018, 132, 167-175.	1.0	13
11	Randomized, crossover, sham-controlled, double-blind study of transcranial direct current stimulation of left DLPFC on executive functions. <i>Restorative Neurology and Neuroscience</i> , 2018, 36, 755-766.	0.7	5
12	BDNF Val66Met polymorphism is associated with altered activity-dependent modulation of short-interval intracortical inhibition in bilateral M1. <i>PLoS ONE</i> , 2018, 13, e0197505.	2.5	12
13	Non-invasive brain stimulation in information systems research: A proof-of-concept study. <i>PLoS ONE</i> , 2018, 13, e0201128.	2.5	4
14	Brief Report: Biological Sound Processing in Children with Autistic Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 1904-1909.	2.7	2
15	Superior non-specific motor learning in the blind. <i>Scientific Reports</i> , 2017, 7, 6003.	3.3	4
16	Action Video Game Playing Is Reflected In Enhanced Visuomotor Performance and Increased Corticospinal Excitability. <i>PLoS ONE</i> , 2016, 11, e0169013.	2.5	14
17	Systematic assessment of duration and intensity of anodal transcranial direct current stimulation on primary motor cortex excitability. <i>European Journal of Neuroscience</i> , 2016, 44, 2184-2190.	2.6	68
18	The effects of bi-hemispheric M1-M1 transcranial direct current stimulation on primary motor cortex neurophysiology and metabolite concentration. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 587-602.	0.7	15

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19	Brain signal complexity rises with repetition suppression in visual learning. <i>Neuroscience</i> , 2016, 326, 1-9.	2.3	9
20	Modulation of physiological mirror activity with transcranial direct current stimulation over dorsal premotor cortex. <i>European Journal of Neuroscience</i> , 2016, 44, 2730-2734.	2.6	3
21	Long-Term Abnormalities in the Corpus Callosum of Female Concussed Athletes. <i>Journal of Neurotrauma</i> , 2016, 33, 1220-1226.	3.4	58
22	Exome sequencing identifies recessive CDK5RAP2 variants in patients with isolated agenesis of corpus callosum. <i>European Journal of Human Genetics</i> , 2016, 24, 607-610.	2.8	22
23	Theta burst stimulation to characterize changes in brain plasticity following mild traumatic brain injury: A proof-of-principle study. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 611-620.	0.7	11
24	Auditory imagery forces motor action. <i>NeuroReport</i> , 2015, 26, 101-106.	1.2	2
25	Cortical thickness in adults with agenesis of the corpus callosum. <i>Neuropsychologia</i> , 2015, 77, 359-365.	1.6	4
26	Probing the effects of mild traumatic brain injury with transcranial magnetic stimulation of the primary motor cortex. <i>Brain Injury</i> , 2015, 29, 1032-1043.	1.2	15
27	Impact of BDNF Val66Met polymorphism on olfactory functions of female concussed athletes. <i>Brain Injury</i> , 2015, 29, 963-970.	1.2	17
28	Excitability of the motor system: A transcranial magnetic stimulation study on singing and speaking. <i>Neuropsychologia</i> , 2015, 75, 525-532.	1.6	5
29	BDNF Val66Met polymorphism is associated with abnormal interhemispheric transfer of a newly acquired motor skill. <i>Journal of Neurophysiology</i> , 2014, 111, 2094-2102.	1.8	14
30	Diffuse white matter tract abnormalities in clinically normal ageing retired athletes with a history of sports-related concussions. <i>Brain</i> , 2014, 137, 2997-3011.	7.6	108
31	A Follow-Up Study of Neurometabolic Alterations in Female Concussed Athletes. <i>Journal of Neurotrauma</i> , 2014, 31, 339-345.	3.4	16
32	Multimodal assessment of primary motor cortex integrity following sport concussion in asymptomatic athletes. <i>Clinical Neurophysiology</i> , 2014, 125, 1371-1379.	1.5	69
33	Cortical thickness correlates of socioemotional difficulties in adults with Turner syndrome. <i>Psychoneuroendocrinology</i> , 2014, 44, 30-34.	2.7	8
34	The Uncertain Outcome of Prefrontal tDCS. <i>Brain Stimulation</i> , 2014, 7, 773-783.	1.6	212
35	Empathy, autistic traits, and motor resonance in adults with Turner syndrome. <i>Social Neuroscience</i> , 2014, 9, 1-9.	1.3	9
36	Neurometabolic, Electrophysiological, and Imaging Abnormalities. <i>Progress in Neurological Surgery</i> , 2014, 28, 75-85.	1.3	7

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37	The Use of Magnetic Resonance Spectroscopy as a Tool for the Measurement of Bi-hemispheric Transcranial Electric Stimulation Effects on Primary Motor Cortex Metabolism. <i>Journal of Visualized Experiments</i> , 2014, , e51631.	0.3	13
38	Reduced procedural motor learning in deaf individuals. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 343.	2.0	19
39	Abnormal motor cortex excitability is associated with reduced cortical thickness in X monosomy. <i>Human Brain Mapping</i> , 2013, 34, 936-944.	3.6	12
40	Motor system alterations in retired former athletes: the role of aging and concussion history. <i>BMC Neurology</i> , 2013, 13, 109.	1.8	46
41	Neurometabolic and microstructural alterations following a sports-related concussion in female athletes. <i>Brain Injury</i> , 2013, 27, 1038-1046.	1.2	79
42	Sports Concussions and Aging: A Neuroimaging Investigation. <i>Cerebral Cortex</i> , 2013, 23, 1159-1166.	2.9	148
43	Anodal transcranial direct current stimulation modulates GABAB-related intracortical inhibition in the M1 of healthy individuals. <i>NeuroReport</i> , 2013, 24, 46-50.	1.2	47
44	Relationship between transcranial magnetic stimulation measures of intracortical inhibition and spectroscopy measures of GABA and glutamate+glutamine. <i>Journal of Neurophysiology</i> , 2013, 109, 1343-1349.	1.8	104
45	Transcranial Direct Current Stimulation of the Dorsolateral Prefrontal Cortex Modulates Repetition Suppression to Unfamiliar Faces: An ERP Study. <i>PLoS ONE</i> , 2013, 8, e81721.	2.5	24
46	Interhemispheric Control of Unilateral Movement. <i>Neural Plasticity</i> , 2012, 2012, 1-11.	2.2	102
47	A prospective study of physician-observed concussion during a varsity university hockey season: metabolic changes in ice hockey players. Part 4 of 4. <i>Neurosurgical Focus</i> , 2012, 33, E4.	2.3	50
48	Altered Bidirectional Plasticity and Reduced Implicit Motor Learning in Concussed Athletes. <i>Cerebral Cortex</i> , 2012, 22, 112-121.	2.9	110
49	Changes in cortical plasticity after mild traumatic brain injury. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 277-282.	0.7	31
50	Occlusion of LTP-Like Plasticity in Human Primary Motor Cortex by Action Observation. <i>PLoS ONE</i> , 2012, 7, e38754.	2.5	22
51	Neurophysiological investigation of congenital mirror movements in a patient with agenesis of the corpus callosum. <i>Brain Stimulation</i> , 2012, 5, 137-140.	1.6	11
52	Acute and Chronic Changes in Diffusivity Measures after Sports Concussion. <i>Journal of Neurotrauma</i> , 2011, 28, 2049-2059.	3.4	238
53	Persistent Motor System Abnormalities in Formerly Concussed Athletes. <i>Journal of Athletic Training</i> , 2011, 46, 234-240.	1.8	140
54	TMS suppression of right pars triangularis, but not pars opercularis, improves naming in aphasia. <i>Brain and Language</i> , 2011, 119, 206-213.	1.6	125

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55	Evidence for the Specificity of Intracortical Inhibitory Dysfunction in Asymptomatic Concussed Athletes. <i>Journal of Neurotrauma</i> , 2011, 28, 493-502.	3.4	72
56	Action related sounds induce early and late modulations of motor cortex activity. <i>NeuroReport</i> , 2010, 21, 250-253.	1.2	21
57	A novel way to make transient-VEPs a better predictor of human binocular integration. <i>NeuroReport</i> , 2010, 21, 1023-1028.	1.2	2
58	Brain Connectivity: Finding a Cause. <i>Current Biology</i> , 2010, 20, R66-R67.	3.9	0
59	Numerical Processing: Stimulating Numbers. <i>Current Biology</i> , 2010, 20, R975-R977.	3.9	4
60	Early non-specific modulation of corticospinal excitability during action observation. <i>European Journal of Neuroscience</i> , 2010, 31, 931-937.	2.6	71
61	Modulation of cortical motor outputs by the symbolic meaning of visual stimuli. <i>European Journal of Neuroscience</i> , 2010, 32, 172-177.	2.6	13
62	Audiovisual fusion and cochlear implant proficiency. <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 283-291.	0.7	40
63	Mutations in <i>DCC</i> Cause Congenital Mirror Movements. <i>Science</i> , 2010, 328, 592-592.	12.6	161
64	Validation of French-Canadian versions of the Empathy Quotient and Autism Spectrum Quotient.. <i>Canadian Journal of Behavioural Science</i> , 2009, 41, 272-276.	0.6	51
65	Brain function decline in healthy retired athletes who sustained their last sports concussion in early adulthood. <i>Brain</i> , 2009, 132, 695-708.	7.6	368
66	Visual stimuli can impair auditory processing in cochlear implant users. <i>Neuropsychologia</i> , 2009, 47, 17-22.	1.6	70
67	Suppression of ipsilateral motor cortex facilitates motor skill learning. <i>European Journal of Neuroscience</i> , 2009, 29, 833-836.	2.6	51
68	EEG and neuronavigated single-pulse TMS in the study of the observation/execution matching system: Are both techniques measuring the same process?. <i>Journal of Neuroscience Methods</i> , 2008, 175, 17-24.	2.5	101
69	Psychopathy and the mirror neuron system: Preliminary findings from a non-psychiatric sample. <i>Psychiatry Research</i> , 2008, 160, 137-144.	3.3	104
70	Activation of Prefrontal Cortex by Transcranial Direct Current Stimulation Reduces Appetite for Risk during Ambiguous Decision Making. <i>Journal of Neuroscience</i> , 2007, 27, 6212-6218.	3.6	350
71	LONG-TERM AND CUMULATIVE EFFECTS OF SPORTS CONCUSSION ON MOTOR CORTEX INHIBITION. <i>Neurosurgery</i> , 2007, 61, 329-337.	1.1	196
72	Speech and Non-Speech Audio-Visual Illusions: A Developmental Study. <i>PLoS ONE</i> , 2007, 2, e742.	2.5	90

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73	Modulation of Motor Cortex Excitability by Physical Similarity with an Observed Hand Action. PLoS ONE, 2007, 2, e971.	2.5	46
74	The mirror neuron system: grasping others's actions from birth?. Developmental Science, 2007, 10, 513-523.	2.4	261
75	Paradoxical Facilitation of Attention in Healthy Humans. Behavioural Neurology, 2006, 17, 159-162.	2.1	35
76	A role for the inferior colliculus in multisensory speech integration. NeuroReport, 2006, 17, 1607-1610.	1.2	22
77	EEG evidence for the presence of an action observation-execution matching system in children. European Journal of Neuroscience, 2006, 23, 2505-2510.	2.6	183
78	Autism Spectrum Disorder: Seeing Is Not Understanding. Current Biology, 2006, 16, R131-R133.	3.9	19
79	Intrahemispheric dysfunction in primary motor cortex without corpus callosum: a transcranial magnetic stimulation study. BMC Neurology, 2006, 6, 21.	1.8	7
80	Modulation of motor cortex excitability during action observation in disconnected hemispheres. NeuroReport, 2005, 16, 1591-1594.	1.2	16
81	Improved picture naming in chronic aphasia after TMS to part of right Broca's area: An open-protocol study. Brain and Language, 2005, 93, 95-105.	1.6	533
82	Making a case for mirror-neuron system involvement in language development: What about autism and blindness?. Behavioral and Brain Sciences, 2005, 28, 145-146.	0.7	4
83	Transient Disruption of Ventrolateral Prefrontal Cortex During Verbal Encoding Affects Subsequent Memory Performance. Journal of Neurophysiology, 2005, 94, 688-698.	1.8	52
84	Improved naming after TMS treatments in a chronic, global aphasia patient - case report. Neurocase, 2005, 11, 182-193.	0.6	166
85	Transcranial Magnetic Stimulation as a Complementary Treatment for Aphasia. Seminars in Speech and Language, 2004, 25, 181-191.	0.8	174
86	Behavioral and neuroplastic changes in the blind: evidence for functionally relevant cross-modal interactions. Journal of Physiology (Paris), 2004, 98, 221-233.	2.1	95
87	Modulation of right motor cortex excitability without awareness following presentation of masked self-images. Cognitive Brain Research, 2004, 20, 54-57.	3.0	29
88	Unconscious modulation of motor cortex excitability revealed with transcranial magnetic stimulation. Experimental Brain Research, 2004, 155, 261-264.	1.5	13
89	Intracranial measurement of current densities induced by transcranial magnetic stimulation in the human brain. Neuroscience Letters, 2004, 354, 91-94.	2.1	71
90	Modulation of intracortical neuronal circuits in human hand motor area by digit stimulation. Experimental Brain Research, 2003, 149, 1-8.	1.5	40

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91	Bilateral competitive processing of visual spatial attention in the human brain. <i>Neurocomputing</i> , 2003, 52-54, 793-798.	5.9	8
92	The role of motion direction selective extrastriate regions in reading: a transcranial magnetic stimulation study. <i>Brain and Language</i> , 2003, 85, 140-155.	1.6	15
93	Transcranial Magnetic Stimulation as an Investigative Tool in the Study of Visual Function. <i>Optometry and Vision Science</i> , 2003, 80, 356-368.	1.2	52
94	Chapter 21 Exploring paradoxical functional facilitation with TMS. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 211-219.	2.1	33
95	Skill learning. , 2003, , 107-134.		2
96	Transcranial Magnetic Stimulation and the Study of Cognition. <i>Neuropsychology and Cognition</i> , 2003, , 173-195.	0.6	2
97	Braille character discrimination in blindfolded human subjects. <i>NeuroReport</i> , 2002, 13, 571-574.	1.2	123
98	Repetitive transcranial magnetic stimulation of human area MT/V5 disrupts perception and storage of the motion aftereffect. <i>Neuropsychologia</i> , 2002, 40, 2280-2287.	1.6	99
99	Language Acquisition: Do as You Hear. <i>Current Biology</i> , 2002, 12, R736-R737.	3.9	27
100	Stereological evaluation of neurons and glia in the monkey dorsal lateral geniculate nucleus following an early cerebral hemispherectomy. <i>Experimental Brain Research</i> , 2002, 142, 208-220.	1.5	19
101	Intracortical inhibition and facilitation in human facial motor area: difference between upper and lower facial area. <i>Clinical Neurophysiology</i> , 2001, 112, 1604-1611.	1.5	17
102	Increased variability of paced finger tapping accuracy following repetitive magnetic stimulation of the cerebellum in humans. <i>Neuroscience Letters</i> , 2001, 306, 29-32.	2.1	166
103	Enhanced visual spatial attention ipsilateral to rTMS-induced 'virtual lesions' of human parietal cortex. <i>Nature Neuroscience</i> , 2001, 4, 953-957.	14.8	528
104	Anatomical sparing in the superior colliculus of hemispherectomized monkeys. <i>Brain Research</i> , 2001, 894, 274-280.	2.2	25
105	Quantitative Analysis of the Retinal Ganglion Cell Layer in the Ostrich, &lt;i>Struthio camelus&lt;/i>. <i>Brain, Behavior and Evolution</i> , 2001, 58, 343-355.	1.7	46
106	Chapter 24 Visual pathways following cerebral hemispherectomy. <i>Progress in Brain Research</i> , 2001, 134, 379-397.	1.4	18
107	Transneuronal degeneration of retinal ganglion cells in early hemispherectomized monkeys. <i>NeuroReport</i> , 1999, 10, 1447-1452.	1.2	24