

# 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  | Improved picture naming in chronic aphasia after TMS to part of right Broca's area: An open-protocol study. <i>Brain and Language</i> , 2005, 93, 95-105.                                    | 1.6  | 533       |
| 2  | 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       |
| 3  | 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       |
| 4  | 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       |
| 5  | The mirror neuron system: grasping others' actions from birth?. <i>Developmental Science</i> , 2007, 10, 513-523.  | 2.4  | 261       |
| 6  | Acute and Chronic Changes in Diffusivity Measures after Sports Concussion. <i>Journal of Neurotrauma</i> , 2011, 28, 2049-2059.  | 3.4  | 238       |
| 7  | The Uncertain Outcome of Prefrontal tDCS. <i>Brain Stimulation</i> , 2014, 7, 773-783.   | 1.6  | 212       |
| 8  | LONG-TERM AND CUMULATIVE EFFECTS OF SPORTS CONCUSSION ON MOTOR CORTEX INHIBITION. <i>Neurosurgery</i> , 2007, 61, 329-337.   | 1.1  | 196       |
| 9  | EEG evidence for the presence of an action observation-execution matching system in children. <i>European Journal of Neuroscience</i> , 2006, 23, 2505-2510.                                 | 2.6  | 183       |
| 10 | Transcranial Magnetic Stimulation as a Complementary Treatment for Aphasia. <i>Seminars in Speech and Language</i> , 2004, 25, 181-191.  | 0.8  | 174       |
| 11 | 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       |
| 12 | Improved naming after TMS treatments in a chronic, global aphasia patient - case report. <i>Neurocase</i> , 2005, 11, 182-193.   | 0.6  | 166       |
| 13 | Mutations in <i>DCC</i> Cause Congenital Mirror Movements. <i>Science</i> , 2010, 328, 592-592.  | 12.6 | 161       |
| 14 | Sports Concussions and Aging: A Neuroimaging Investigation. <i>Cerebral Cortex</i> , 2013, 23, 1159-1166.  | 2.9  | 148       |
| 15 | Persistent Motor System Abnormalities in Formerly Concussed Athletes. <i>Journal of Athletic Training</i> , 2011, 46, 234-240.   | 1.8  | 140       |
| 16 | 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       |
| 17 | Braille character discrimination in blindfolded human subjects. <i>NeuroReport</i> , 2002, 13, 571-574.  | 1.2  | 123       |
| 18 | Altered Bidirectional Plasticity and Reduced Implicit Motor Learning in Concussed Athletes. <i>Cerebral Cortex</i> , 2012, 22, 112-121.  | 2.9  | 110       |

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|----|--|-----|-----------|
| 19 | 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       |
| 20 | Psychopathy and the mirror neuron system: Preliminary findings from a non-psychiatric sample. <i>Psychiatry Research</i> , 2008, 160, 137-144.   | 3.3 | 104       |
| 21 | 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       |
| 22 | Interhemispheric Control of Unilateral Movement. <i>Neural Plasticity</i> , 2012, 2012, 1-11.  | 2.2 | 102       |
| 23 | 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       |
| 24 | 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        |
| 25 | Behavioral and neuroplastic changes in the blind: evidence for functionally relevant cross-modal interactions. <i>Journal of Physiology (Paris)</i> , 2004, 98, 221-233.   | 2.1 | 95        |
| 26 | Speech and Non-Speech Audio-Visual Illusions: A Developmental Study. <i>PLoS ONE</i> , 2007, 2, e742.  | 2.5 | 90        |
| 27 | Neurometabolic and microstructural alterations following a sports-related concussion in female athletes. <i>Brain Injury</i> , 2013, 27, 1038-1046.  | 1.2 | 79        |
| 28 | Evidence for the Specificity of Intracortical Inhibitory Dysfunction in Asymptomatic Concussed Athletes. <i>Journal of Neurotrauma</i> , 2011, 28, 493-502.  | 3.4 | 72        |
| 29 | Intracranial measurement of current densities induced by transcranial magnetic stimulation in the human brain. <i>Neuroscience Letters</i> , 2004, 354, 91-94.   | 2.1 | 71        |
| 30 | Early non-specific modulation of corticospinal excitability during action observation. <i>European Journal of Neuroscience</i> , 2010, 31, 931-937.  | 2.6 | 71        |
| 31 | Visual stimuli can impair auditory processing in cochlear implant users. <i>Neuropsychologia</i> , 2009, 47, 17-22.  | 1.6 | 70        |
| 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 | 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        |
| 34 | Long-Term Abnormalities in the Corpus Callosum of Female Concussed Athletes. <i>Journal of Neurotrauma</i> , 2016, 33, 1220-1226.  | 3.4 | 58        |
| 35 | 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        |
| 36 | Transient Disruption of Ventrolateral Prefrontal Cortex During Verbal Encoding Affects Subsequent Memory Performance. <i>Journal of Neurophysiology</i> , 2005, 94, 688-698.                                     | 1.8 | 52        |

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|----|--|-----|-----------|
| 37 | Validation of French-Canadian versions of the Empathy Quotient and Autism Spectrum Quotient.. Canadian Journal of Behavioural Science, 2009, 41, 272-276.                                | 0.6 | 51        |
| 38 | Suppression of ipsilateral motor cortex facilitates motor skill learning. European Journal of Neuroscience, 2009, 29, 833-836.   | 2.6 | 51        |
| 39 | A prospective study of physician-observed concussion during a varsity university hockey season: metabolic changes in ice hockey players. Part 4 of 4. Neurosurgical Focus, 2012, 33, E4. | 2.3 | 50        |
| 40 | Anodal transcranial direct current stimulation modulates GABAB-related intracortical inhibition in the M1 of healthy individuals. NeuroReport, 2013, 24, 46-50.                          | 1.2 | 47        |
| 41 | Quantitative Analysis of the Retinal Ganglion Cell Layer in the Ostrich, &lt;i>Struthio camelus&lt;/i>. Brain, Behavior and Evolution, 2001, 58, 343-355.                                | 1.7 | 46        |
| 42 | Modulation of Motor Cortex Excitability by Physical Similarity with an Observed Hand Action. PLoS ONE, 2007, 2, e971.  | 2.5 | 46        |
| 43 | Motor system alterations in retired former athletes: the role of aging and concussion history. BMC Neurology, 2013, 13, 109.   | 1.8 | 46        |
| 44 | Modulation of intracortical neuronal circuits in human hand motor area by digit stimulation. Experimental Brain Research, 2003, 149, 1-8.  | 1.5 | 40        |
| 45 | Audiovisual fusion and cochlear implant proficiency. Restorative Neurology and Neuroscience, 2010, 28, 283-291.  | 0.7 | 40        |
| 46 | Paradoxical Facilitation of Attention in Healthy Humans. Behavioural Neurology, 2006, 17, 159-162.   | 2.1 | 35        |
| 47 | Chapter 21 Exploring paradoxical functional facilitation with TMS. Supplements To Clinical Neurophysiology, 2003, 56, 211-219.   | 2.1 | 33        |
| 48 | Changes in cortical plasticity after mild traumatic brain injury. Restorative Neurology and Neuroscience, 2012, 30, 277-282.   | 0.7 | 31        |
| 49 | Modulation of right motor cortex excitability without awareness following presentation of masked self-images. Cognitive Brain Research, 2004, 20, 54-57.                                 | 3.0 | 29        |
| 50 | Language Acquisition: Do as You Hear. Current Biology, 2002, 12, R736-R737.  | 3.9 | 27        |
| 51 | Anatomical sparing in the superior colliculus of hemispherectomized monkeys. Brain Research, 2001, 894, 274-280.   | 2.2 | 25        |
| 52 | Transneuronal degeneration of retinal ganglion cells in early hemispherectomized monkeys. NeuroReport, 1999, 10, 1447-1452.  | 1.2 | 24        |
| 53 | Transcranial Direct Current Stimulation of the Dorsolateral Prefrontal Cortex Modulates Repetition Suppression to Unfamiliar Faces: An ERP Study. PLoS ONE, 2013, 8, e81721.             | 2.5 | 24        |
| 54 | Mesocorticolimbic Connectivity and Volumetric Alterations in <i>DCC&lt;/i> Mutation Carriers. Journal of Neuroscience, 2018, 38, 4655-4665.  | 3.6 | 23        |

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|----|--|-----|-----------|
| 55 | A role for the inferior colliculus in multisensory speech integration. <i>NeuroReport</i> , 2006, 17, 1607-1610.   | 1.2 | 22        |
| 56 | Occlusion of LTP-Like Plasticity in Human Primary Motor Cortex by Action Observation. <i>PLoS ONE</i> , 2012, 7, e38754.   | 2.5 | 22        |
| 57 | 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        |
| 58 | Action related sounds induce early and late modulations of motor cortex activity. <i>NeuroReport</i> , 2010, 21, 250-253.  | 1.2 | 21        |
| 59 | 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        |
| 60 | Autism Spectrum Disorder: Seeing Is Not Understanding. <i>Current Biology</i> , 2006, 16, R131-R133.   | 3.9 | 19        |
| 61 | Reduced procedural motor learning in deaf individuals. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 343.  | 2.0 | 19        |
| 62 | Chapter 24 Visual pathways following cerebral hemispherectomy. <i>Progress in Brain Research</i> , 2001, 134, 379-397.   | 1.4 | 18        |
| 63 | 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        |
| 64 | Impact of BDNF Val66Met polymorphism on olfactory functions of female concussed athletes. <i>Brain Injury</i> , 2015, 29, 963-970.   | 1.2 | 17        |
| 65 | 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        |
| 66 | Modulation of motor cortex excitability during action observation in disconnected hemispheres. <i>NeuroReport</i> , 2005, 16, 1591-1594.   | 1.2 | 16        |
| 67 | A Follow-Up Study of Neurometabolic Alterations in Female Concussed Athletes. <i>Journal of Neurotrauma</i> , 2014, 31, 339-345.   | 3.4 | 16        |
| 68 | 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        |
| 69 | 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        |
| 70 | 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        |
| 71 | 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        |
| 72 | Action Video Game Playing Is Reflected In Enhanced Visuomotor Performance and Increased Corticospinal Excitability. <i>PLoS ONE</i> , 2016, 11, e0169013.  | 2.5 | 14        |

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|----|---|-----|-----------|
| 73 | 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        |
| 74 | Unconscious modulation of motor cortex excitability revealed with transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2004, 155, 261-264.   | 1.5 | 13        |
| 75 | 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        |
| 76 | 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        |
| 77 | 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        |
| 78 | 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        |
| 79 | 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        |
| 80 | 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        |
| 81 | 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        |
| 82 | 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        |
| 83 | 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        |
| 84 | 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        |
| 85 | 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        |
| 86 | Empathy, autistic traits, and motor resonance in adults with Turner syndrome. <i>Social Neuroscience</i> , 2014, 9, 1-9.  | 1.3 | 9         |
| 87 | Brain signal complexity rises with repetition suppression in visual learning. <i>Neuroscience</i> , 2016, 326, 1-9.   | 2.3 | 9         |
| 88 | Bilateral competitive processing of visual spatial attention in the human brain. <i>Neurocomputing</i> , 2003, 52-54, 793-798.  | 5.9 | 8         |
| 89 | Cortical thickness correlates of socioemotional difficulties in adults with Turner syndrome. <i>Psychoneuroendocrinology</i> , 2014, 44, 30-34.   | 2.7 | 8         |
| 90 | Diffusion Tensor Imaging in Contact and Non-Contact University-Level Sport Athletes. <i>Journal of Neurotrauma</i> , 2021, 38, 529-537.   | 3.4 | 8         |

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| 91  | Intrahemispheric dysfunction in primary motor cortex without corpus callosum: a transcranial magnetic stimulation study. <i>BMC Neurology</i> , 2006, 6, 21.   | 1.8 | 7         |
| 92  | Neurometabolic, Electrophysiological, and Imaging Abnormalities. <i>Progress in Neurological Surgery</i> , 2014, 28, 75-85.  | 1.3 | 7         |
| 93  | Excitability of the motor system: A transcranial magnetic stimulation study on singing and speaking. <i>Neuropsychologia</i> , 2015, 75, 525-532.  | 1.6 | 5         |
| 94  | 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         |
| 95  | Making a case for mirror-neuron system involvement in language development: What about autism and blindness?. <i>Behavioral and Brain Sciences</i> , 2005, 28, 145-146.  | 0.7 | 4         |
| 96  | Numerical Processing: Stimulating Numbers. <i>Current Biology</i> , 2010, 20, R975-R977.   | 3.9 | 4         |
| 97  | Cortical thickness in adults with agenesis of the corpus callosum. <i>Neuropsychologia</i> , 2015, 77, 359-365.  | 1.6 | 4         |
| 98  | Superior non-specific motor learning in the blind. <i>Scientific Reports</i> , 2017, 7, 6003.  | 3.3 | 4         |
| 99  | Non-invasive brain stimulation in information systems research: A proof-of-concept study. <i>PLoS ONE</i> , 2018, 13, e0201128.  | 2.5 | 4         |
| 100 | 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         |
| 101 | Skill learning. , 2003, , 107-134.   |     | 2         |
| 102 | A novel way to make transient-VEPs a better predictor of human binocular integration. <i>NeuroReport</i> , 2010, 21, 1023-1028.  | 1.2 | 2         |
| 103 | Auditory imagery forces motor action. <i>NeuroReport</i> , 2015, 26, 101-106.  | 1.2 | 2         |
| 104 | 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         |
| 105 | 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         |
| 106 | Transcranial Magnetic Stimulation and the Study of Cognition. <i>Neuropsychology and Cognition</i> , 2003, , 173-195.  | 0.6 | 2         |
| 107 | Brain Connectivity: Finding a Cause. <i>Current Biology</i> , 2010, 20, R66-R67.   | 3.9 | 0         |