

Thomas Nyffeler

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

5,443
citations

186265

28
h-index

91884

69
g-index

112
all docs

112
docs citations

112
times ranked

5640
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 repetitive transcranial magnetic stimulation (rTMS): An update (2014–2018). <i>Clinical Neurophysiology</i> , 2020, 131, 474-528.	1.5	1,017
3	One Session of Repeated Parietal Theta Burst Stimulation Trains Induces Long-Lasting Improvement of Visual Neglect. <i>Stroke</i> , 2009, 40, 2791-2796.	2.0	175
4	Theta burst stimulation reduces disability during the activities of daily living in spatial neglect. <i>Brain</i> , 2012, 135, 3426-3439.	7.6	141
5	Repetitive TMS over the human oculomotor cortex: Comparison of 1-Hz and theta burst stimulation. <i>Neuroscience Letters</i> , 2006, 409, 57-60.	2.1	136
6	Extending lifetime of plastic changes in the human brain. <i>European Journal of Neuroscience</i> , 2006, 24, 2961-2966.	2.6	120
7	Neglect-like visual exploration behaviour after theta burst transcranial magnetic stimulation of the right posterior parietal cortex. <i>European Journal of Neuroscience</i> , 2008, 27, 1809-1813.	2.6	102
8	Transcranial magnetic stimulation (TMS) inhibits cortical dendrites. <i>ELife</i> , 2016, 5, .	6.0	86
9	Theta burst stimulation in neglect after stroke: functional outcome and response variability origins. <i>Brain</i> , 2019, 142, 992-1008.	7.6	69
10	Street crossing behavior in younger and older pedestrians: an eye- and head-tracking study. <i>BMC Geriatrics</i> , 2015, 15, 176.	2.7	66
11	Interhemispheric balance of overt attention: a theta burst stimulation study. <i>European Journal of Neuroscience</i> , 2009, 29, 1271-1276.	2.6	65
12	Theta Burst Stimulation Over the Right Broca's Homologue Induces Improvement of Naming in Aphasic Patients. <i>Stroke</i> , 2012, 43, 2175-2179.	2.0	58
13	Usability of Videogame-Based Dexterity Training in the Early Rehabilitation Phase of Stroke Patients: A Pilot Study. <i>Frontiers in Neurology</i> , 2017, 8, 654.	2.4	58
14	Limb-kinetic apraxia affects activities of daily living in Parkinson's disease: a multi-center study. <i>European Journal of Neurology</i> , 2016, 23, 1301-1307.	3.3	54
15	Non-Invasive Brain Stimulation in Neglect Rehabilitation: An Update. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 248.	2.0	53
16	Application of LSVT BIG Intervention to Address Gait, Balance, Bed Mobility, and Dexterity in People With Parkinson Disease: A Case Series. <i>Physical Therapy</i> , 2014, 94, 1014-1023.	2.4	51
17	Visual exploration pattern in hemineglect. <i>Psychological Research</i> , 2009, 73, 147-157.	1.7	50
18	Residual oculomotor and exploratory deficits in patients with recovered hemineglect. <i>Neuropsychologia</i> , 2004, 42, 1203-1211.	1.6	48

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19	Treatment of hemispatial neglect by means of rTMS – a review. Restorative Neurology and Neuroscience, 2010, 28, 499-510.	0.7	46
20	Home based training for dexterity in Parkinson's disease: A randomized controlled trial. Parkinsonism and Related Disorders, 2017, 41, 92-98.	2.2	44
21	Inhibitory control of the human dorsolateral prefrontal cortex during the anti-saccade paradigm – a transcranial magnetic stimulation study. European Journal of Neuroscience, 2007, 26, 1381-1385.	2.6	42
22	Cathodal HD-tDCS on the right V5 improves motion perception in humans. Frontiers in Behavioral Neuroscience, 2015, 9, 257.	2.0	40
23	Continuous Theta Burst Stimulation over the Left Dorsolateral Prefrontal Cortex Decreases Medium Load Working Memory Performance in Healthy Humans. PLoS ONE, 2015, 10, e0120640.	2.5	40
24	Interference with gesture production by theta burst stimulation over left inferior frontal cortex. Clinical Neurophysiology, 2011, 122, 1197-1202.	1.5	35
25	Eye Movements Discriminate Fatigue Due to Chronotypical Factors and Time Spent on Task – A Double Dissociation. PLoS ONE, 2014, 9, e87146.	2.5	35
26	Eyetracking during free visual exploration detects neglect more reliably than paper-pencil tests. Cortex, 2020, 129, 223-235.	2.4	34
27	One-Hertz transcranial magnetic stimulation over the frontal eye field induces lasting inhibition of saccade triggering. NeuroReport, 2006, 17, 273-275.	1.2	32
28	Network mechanisms of responsiveness to continuous theta-burst stimulation. European Journal of Neuroscience, 2013, 38, 3230-3238.	2.6	31
29	Enhancing treatment effects by combining continuous theta burst stimulation with smooth pursuit training. Neuropsychologia, 2015, 74, 145-151.	1.6	30
30	Horizontal and vertical dimensions of visual extinction: a theta burst stimulation study. Neuroscience, 2009, 164, 1609-1614.	2.3	29
31	Immersive 3D Virtual Reality Cancellation Task for Visual Neglect Assessment: A Pilot Study. Frontiers in Human Neuroscience, 2020, 14, 180.	2.0	28
32	Allocentric and Egocentric Spatial Impairments in a Case of Topographical Disorientation. Cortex, 2005, 41, 133-143.	2.4	26
33	Therapist-Guided Tablet-Based Telerehabilitation for Patients With Aphasia: Proof-of-Concept and Usability Study. JMIR Rehabilitation and Assistive Technologies, 2019, 6, e13163.	2.2	26
34	Single-pulse transcranial magnetic stimulation over the frontal eye field can facilitate and inhibit saccade triggering. European Journal of Neuroscience, 2004, 20, 2240-2244.	2.6	25
35	Theta burst stimulation improves overt visual search in spatial neglect independently of attentional load. Cortex, 2015, 73, 317-329.	2.4	25
36	The Responsiveness of the Lucerne ICF-Based Multidisciplinary Observation Scale: A Comparison with the Functional Independence Measure and the Barthel Index. Frontiers in Neurology, 2016, 7, 152.	2.4	25

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37	Information processing in long delay memory-guided saccades: further insights from TMS. <i>Experimental Brain Research</i> , 2004, 154, 109-112.	1.5	23
38	Vertical bias in neglect: A question of time?. <i>Neuropsychologia</i> , 2011, 49, 2369-2374.	1.6	23
39	Reliability and validity of a new dexterity questionnaire (DextQ-24) in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2016, 33, 78-83.	2.2	23
40	Anterior insula and inferior frontal gyrus: where ventral and dorsal visual attention systems meet. <i>Brain Communications</i> , 2021, 3, fcaa220.	3.3	23
41	Time-dependent hierarchical organization of spatial working memory: a transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2002, 16, 1823-1827.	2.6	22
42	Visual vector inversion in the posterior parietal cortex. <i>NeuroReport</i> , 2007, 18, 917-920.	1.2	22
43	Linking physiology with behaviour: Functional specialisation of the visual field is reflected in gaze patterns during visual search. <i>Vision Research</i> , 2009, 49, 237-248.	1.4	22
44	Re-fixation and perseveration patterns in neglect patients during free visual exploration. <i>European Journal of Neuroscience</i> , 2019, 49, 1244-1253.	2.6	22
45	Validation of the New Lucerne ICF Based Multidisciplinary Observation Scale (LIMOS) for Stroke Patients. <i>PLoS ONE</i> , 2015, 10, e0130925.	2.5	21
46	Spatial Neglect Predicts Upper Limb Use in the Activities of Daily Living. <i>Cerebrovascular Diseases</i> , 2017, 44, 122-127.	1.7	21
47	Validity of screening instruments for the detection of dementia and mild cognitive impairment in hospital inpatients: A systematic review of diagnostic accuracy studies. <i>PLoS ONE</i> , 2019, 14, e0219569.	2.5	21
48	Unmasking the contribution of low-level features to the guidance of attention. <i>Neuropsychologia</i> , 2012, 50, 3478-3487.	1.6	20
49	Multimodal Communication in Aphasia: Perception and Production of Co-speech Gestures During Face-to-Face Conversation. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 200.	2.0	20
50	Age-dependent visual exploration during simulated day- and night driving on a motorway: a cross-sectional study. <i>BMC Geriatrics</i> , 2015, 15, 18.	2.7	18
51	Cognitive Impairment in Multiple Sclerosis: Clinical Manifestation, Neuroimaging Correlates, and Treatment. <i>Seminars in Neurology</i> , 2016, 36, 203-211.	1.4	18
52	Effects of age and eccentricity on visual target detection. <i>Frontiers in Aging Neuroscience</i> , 2014, 5, 101.	3.4	17
53	The role of the right frontal eye field in overt visual attention deployment as assessed by free visual exploration. <i>Neuropsychologia</i> , 2015, 74, 37-41.	1.6	16
54	Visual Exploration Area in Neglect: A New Analysis Method for Video-Oculography Data Based on Foveal Vision. <i>Frontiers in Neuroscience</i> , 2019, 13, 1412.	2.8	16

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55	Development of a Search Task Using Immersive Virtual Reality: Proof-of-Concept Study. JMIR Serious Games, 2021, 9, e29182.	3.1	16
56	Cue Recognition and Integration â€œ Eye Tracking Evidence of Processing Differences in Sentence Comprehension in Aphasia. PLoS ONE, 2015, 10, e0142853.	2.5	16
57	Visual vector inversion during memory antisaccades â€” a TMS study. Progress in Brain Research, 2008, 171, 429-432.	1.4	14
58	Balanced bilinguals favor lexical processing in their opaque language and conversion system in their shallow language. Brain and Language, 2015, 150, 166-176.	1.6	14
59	Perception of co-speech gestures in aphasic patients: A visual exploration study during the observation of dyadic conversations. Cortex, 2015, 64, 157-168.	2.4	14
60	Interhemispheric facilitation of gesturing: A combined theta burst stimulation and diffusion tensor imaging study. Brain Stimulation, 2020, 13, 457-463.	1.6	14
61	Left posterior parietal theta burst stimulation affects gestural imitation regardless of semantic content. Clinical Neurophysiology, 2014, 125, 457-462.	1.5	13
62	The Frontal Eye Field Is Involved in Visual Vector Inversion in Humans â€œ A Theta Burst Stimulation Study. PLoS ONE, 2013, 8, e83297.	2.5	13
63	Auditory spatial cueing reduces neglect after right-hemispheric stroke: A proof of concept study. Cortex, 2022, 148, 152-167.	2.4	13
64	Comprehension of Co-Speech Gestures in Aphasic Patients: An Eye Movement Study. PLoS ONE, 2016, 11, e0146583.	2.5	12
65	The influence of naturalistic, directionally non-specific motion on the spatial deployment of visual attention in right-hemispheric stroke. Neuropsychologia, 2016, 92, 181-189.	1.6	12
66	The spatial distribution of perseverations in neglect patients during a nonverbal fluency task depends on the integrity of the right putamen. Neuropsychologia, 2018, 115, 42-50.	1.6	12
67	Cortical reorganization after brain damage: the oculomotor model. European Journal of Neuroscience, 2006, 23, 1397-1402.	2.6	11
68	Adapting a Driving Simulator to Study Pedestriansâ€™ Street-Crossing Decisions: A Feasibility Study. Assistive Technology, 2015, 27, 1-8.	2.0	11
69	Screening for Language Disorders in Stroke: German Validation of the Language Screening Test (LAST). Cerebrovascular Diseases Extra, 2017, 6, 27-31.	1.5	11
70	The Influence of Alertness on the Spatial Deployment of Visual Attention is Mediated by the Excitability of the Posterior Parietal Cortices. Cerebral Cortex, 2017, 27, 233-243.	2.9	10
71	The modulation of reading strategies by language opacity in early bilinguals: an eye movement study. Bilingualism, 2016, 19, 567-577.	1.3	10
72	Comprehensive ADL Outcome Measurement after Stroke: Rasch Validation of the Lucerne ICF-Based Multidisciplinary Observation Scale (LIMOS). Archives of Physical Medicine and Rehabilitation, 2019, 100, 2314-2323.	0.9	10

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73	The asymmetrical influence of increasing time-on-task on attentional disengagement. <i>Neuropsychologia</i> , 2016, 92, 107-114.	1.6	9
74	Feasibility of a Home-Based Tablet App for Dexterity Training in Multiple Sclerosis: Usability Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e18204.	3.7	9
75	Motor threshold predicts working memory performance in healthy humans. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 69-73.	3.7	8
76	The Impact of Language Opacity and Proficiency on Reading Strategies in Bilinguals: An Eye Movement Study. <i>Frontiers in Psychology</i> , 2016, 7, 649.	2.1	8
77	Contralesional Trunk Rotation Dissociates Real vs. Pseudo-Visual Field Defects due to Visual Neglect in Stroke Patients. <i>Frontiers in Neurology</i> , 2017, 8, 411.	2.4	8
78	Neglect and Motion Stimuli – Insights from a Touchscreen-Based Cancellation Task. <i>PLoS ONE</i> , 2015, 10, e0132025.	2.5	8
79	Spontaneous recovery of visually-triggered saccades after focal lesions of the frontal and parietal eye fields: A combined longitudinal oculomotor and fMRI study. <i>Clinical Neurophysiology</i> , 2011, 122, 1203-1210.	1.5	7
80	Clinical assessment of deficits after SAH: hasty neurosurgeons and accurate neurologists. <i>Journal of Neurology</i> , 2012, 259, 2198-2201.	3.6	7
81	The role of the human posterior parietal cortex in memory-guided saccade execution: a double-pulse transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2005, 22, 535-538.	2.6	6
82	In your eyes only: deficits in executive functioning after frontal TMS reflect in eye movements. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 7.	2.0	6
83	Different visual exploration of tool-related gestures in left hemisphere brain damaged patients is associated with poor gestural imitation. <i>Neuropsychologia</i> , 2015, 71, 158-164.	1.6	6
84	Theta burst stimulation over premotor cortex in Parkinson’s disease: an explorative study on manual dexterity. <i>Journal of Neural Transmission</i> , 2016, 123, 1387-1393.	2.8	6
85	Investigating a new tablet-based telerehabilitation app in patients with aphasia: a randomised, controlled, evaluator-blinded, multicentre trial protocol. <i>BMJ Open</i> , 2020, 10, e037702.	1.9	6
86	Can I Discharge My Stroke Patient Home After Inpatient Neurorehabilitation? LIMOS Cut-Off Scores for Stroke Patients – Living Alone and Living With Family. <i>Frontiers in Neurology</i> , 2020, 11, 601725.	2.4	6
87	Test-Retest-Reliability of Video-Oculography During Free Visual Exploration in Right-Hemispheric Stroke Patients With Neglect. <i>Frontiers in Neuroscience</i> , 2020, 14, 731.	2.8	6
88	Visual Neglect After an Isolated Lesion of the Superior Colliculus. <i>JAMA Neurology</i> , 2021, 78, 1531.	9.0	6
89	The Impact of Cognitive Load on the Spatial Deployment of Visual Attention: Testing the Role of Interhemispheric Balance With Biparietal Transcranial Direct Current Stimulation. <i>Frontiers in Neuroscience</i> , 2019, 13, 1391.	2.8	5
90	Non-invasive brain stimulation in limb praxis and apraxia: A scoping review in healthy subjects and patients with stroke. <i>Cortex</i> , 2021, 138, 152-164.	2.4	5

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91	Visual Neglect after PICA Stroke – A Case Study. <i>Brain Sciences</i> , 2022, 12, 290.	2.3	5
92	Development and evaluation of a new instrument to measure visual exploration behavior. <i>Medical Engineering and Physics</i> , 2014, 36, 490-495.	1.7	4
93	A new method to measure higher visual functions in an immersive environment. <i>BioMedical Engineering OnLine</i> , 2014, 13, 104.	2.7	4
94	Eye Gaze Behavior at Turn Transition: How Aphasic Patients Process Speakers' Turns during Video Observation. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1613-1624.	2.3	4
95	Video-Oculography During Free Visual Exploration to Detect Right Spatial Neglect in Left-Hemispheric Stroke Patients With Aphasia: A Feasibility Study. <i>Frontiers in Neuroscience</i> , 2021, 15, 640049.	2.8	4
96	Attentional reorienting triggers spatial asymmetries in a search task with cross-modal spatial cueing. <i>PLoS ONE</i> , 2018, 13, e0190677.	2.5	4
97	Posterior fossa syndrome with a large inflammatory ponto-mesencephalic lesion. <i>Brain and Cognition</i> , 2017, 111, 107-111.	1.8	3
98	Tablet app-based dexterity-training in patients with Parkinson's disease: Pilot feasibility study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101419.	2.3	3
99	Effects of Virtual Reality – Based Multimodal Audio-Tactile Cueing in Patients With Spatial Attention Deficits: Pilot Usability Study. <i>JMIR Serious Games</i> , 2022, 10, e34884.	3.1	3
100	Higher visual functions in the upper and lower visual fields: A pilot study in healthy subjects. , 2015, 2015, 2522-5.		2
101	Patient-tailored multimodal neurorehabilitation: The Lucerne model. <i>Clinical and Translational Neuroscience</i> , 2019, 3, 2514183X1987507.	0.9	2
102	Impaired everyday gestural communication in apraxia: A reliable and valid short scale. <i>International Journal of Stroke</i> , 2016, 11, NP11-NP12.	5.9	1
103	cTBS over contralesional homologue areas deteriorates speech output in isolated apraxia of speech after stroke. <i>Brain Stimulation</i> , 2019, 12, 1069-1071.	1.6	1
104	Development and Validation of the Short-LIMOS for the Acute Stroke Unit – A Short Version of the Lucerne ICF-Based Multidisciplinary Observation Scale. <i>Frontiers in Rehabilitation Sciences</i> , 2022, 3, .	1.2	1
105	Marriage and Partnership Integrity After Aneurysmal Subarachnoid Hemorrhage: Small Alterations in Neurologic Status Matter Most. <i>World Neurosurgery</i> , 2018, 113, e161-e165.	1.3	0
106	Teaching Video NeuroImages: Posterior territory stroke with parahippocampal involvement. <i>Neurology</i> , 2018, 90, e2181.	1.1	0