

# Yvonne Hägler

## List of Publications by Year in descending order

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122  
papers

3,443  
citations

159585

30  
h-index

182427

51  
g-index

124  
all docs

124  
docs citations

124  
times ranked

4959  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	5.1	260
2	Visual P2 component is related to theta phase-locking. <i>Neuroscience Letters</i> , 2007, 426, 181-186.	2.1	188
3	Epidemiology-Based Mortality Score in Status Epilepticus (EMSE). <i>Neurocritical Care</i> , 2015, 22, 273-282.	2.4	182
4	Functional brain reorganization after spinal cord injury: Systematic review of animal and human studies. <i>Brain Research</i> , 2013, 1504, 58-73.	2.2	145
5	High-frequency oscillations in epilepsy and surgical outcome. A meta-analysis. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 574.	2.0	134
6	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <i>NeuroImage: Clinical</i> , 2014, 4, 240-248.	2.7	119
7	Altered directed functional connectivity in temporal lobe epilepsy in the absence of interictal spikes: A high density EEG study. <i>Epilepsia</i> , 2016, 57, 402-411.	5.1	107
8	Transcranial magnetic stimulation (TMS)/repetitive TMS in mild cognitive impairment and Alzheimer's disease. <i>Acta Neurologica Scandinavica</i> , 2014, 129, 351-366.	2.1	103
9	Deactivation of the Default Mode Network as a Marker of Impaired Consciousness: An fMRI Study. <i>PLoS ONE</i> , 2011, 6, e26373.	2.5	97
10	Impaired consciousness is linked to changes in effective connectivity of the posterior cingulate cortex within the default mode network. <i>NeuroImage</i> , 2015, 110, 101-109.	4.2	95
11	Minimal hepatic encephalopathy: A review. <i>Neuroscience Research</i> , 2016, 111, 1-12.	1.9	62
12	Invasive and non-invasive brain stimulation for treatment of neuropathic pain in patients with spinal cord injury: A review. <i>Journal of Spinal Cord Medicine</i> , 2014, 37, 19-31.	1.4	61
13	Functional similarities between the P1 component and alpha oscillations. <i>European Journal of Neuroscience</i> , 2008, 27, 2330-2340.	2.6	58
14	Rodent, large animal and non-human primate models of spinal cord injury. <i>Zoology</i> , 2017, 123, 101-114.	1.2	57
15	rTMS of the prefrontal cortex has analgesic effects on neuropathic pain in subjects with spinal cord injury. <i>Spinal Cord</i> , 2017, 55, 20-25.	1.9	56
16	Thiamine Deficiency Induced Neurochemical, Neuroanatomical, and Neuropsychological Alterations: A Reappraisal. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	2.1	52
17	Network Perspectives on Epilepsy Using EEG/MEG Source Connectivity. <i>Frontiers in Neurology</i> , 2019, 10, 721.	2.4	50
18	Connectivity biomarkers can differentiate patients with different levels of consciousness. <i>Clinical Neurophysiology</i> , 2014, 125, 1545-1555.	1.5	47

#	ARTICLE	IF	CITATIONS
19	Comparison of EEG-Features and Classification Methods for Motor Imagery in Patients with Disorders of Consciousness. PLoS ONE, 2013, 8, e80479.	2.5	46
20	Quantitative Pharmaco-Electroencephalography in Antiepileptic Drug Research. CNS Drugs, 2018, 32, 839-848.	5.9	45
21	Distance learning in higher education during COVID-19: The role of basic psychological needs and intrinsic motivation for persistence and procrastination—a multi-country study. PLoS ONE, 2021, 16, e0257346.	2.5	44
22	Testing Mean Differences among Groups: Multivariate and Repeated Measures Analysis with Minimal Assumptions. Multivariate Behavioral Research, 2018, 53, 348-359.	3.1	42
23	EEG frequency analysis of responses to the own-name stimulus. Clinical Neurophysiology, 2011, 122, 99-106.	1.5	41
24	Iris-sensor authentication using camera PRNU fingerprints. , 2012, , .		39
25	Preserved oscillatory response but lack of mismatch negativity in patients with disorders of consciousness. Clinical Neurophysiology, 2011, 122, 1744-1754.	1.5	37
26	Noninvasive Spinal Cord Stimulation: Technical Aspects and Therapeutic Applications. Neuromodulation, 2015, 18, 580-591.	0.8	35
27	Cortical morphometric changes after spinal cord injury. Brain Research Bulletin, 2018, 137, 107-119.	3.0	35
28	Transcranial magnetic stimulation and sleep disorders: pathophysiologic insights. Sleep Medicine, 2013, 14, 1047-1058.	1.6	34
29	The contribution of neurophysiology in the diagnosis and management of cervical spondylotic myelopathy: a review. Spinal Cord, 2016, 54, 756-766.	1.9	34
30	Dopamine differently modulates central cholinergic circuits in patients with Alzheimer disease and CADASIL. Journal of Neural Transmission, 2014, 121, 1313-1320.	2.8	33
31	Cognitive function and cholinergic transmission in patients with subcortical vascular dementia and microbleeds: a TMS study. Journal of Neural Transmission, 2011, 118, 1349-1358.	2.8	32
32	What do temporal lobe epilepsy and progressive mild cognitive impairment have in common?. Frontiers in Systems Neuroscience, 2014, 8, 58.	2.5	32
33	Neurostimulation in Alzheimer's disease: from basic research to clinical applications. Neurological Sciences, 2015, 36, 689-700.	1.9	32
34	Individual brain-frequency responses to self-selected music. International Journal of Psychophysiology, 2012, 86, 206-213.	1.0	31
35	Descending motor pathways and cortical physiology after spinal cord injury assessed by transcranial magnetic stimulation: a systematic review. Brain Research, 2015, 1619, 139-154.	2.2	31
36	Impaired cholinergic transmission in patients with Parkinson's disease and olfactory dysfunction. Journal of the Neurological Sciences, 2017, 377, 55-61.	0.6	31

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37	Reliability of EEG Measures of Interaction: A Paradigm Shift Is Needed to Fight the Reproducibility Crisis. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 441.	2.0	31
38	Canine degenerative myelopathy: a model of human amyotrophic lateral sclerosis. <i>Zoology</i> , 2016, 119, 64-73.	1.2	30
39	Transcranial magnetic stimulation studies in complex regional pain syndrome type I: A review. <i>Acta Neurologica Scandinavica</i> , 2018, 137, 158-164.	2.1	28
40	Real movement vs. motor imagery in healthy subjects. <i>International Journal of Psychophysiology</i> , 2013, 87, 35-41.	1.0	26
41	Serotonergic transmission after spinal cord injury. <i>Journal of Neural Transmission</i> , 2015, 122, 279-295.	2.8	26
42	rTMS modulates reciprocal inhibition in patients with traumatic spinal cord injury. <i>Spinal Cord</i> , 2014, 52, 831-835.	1.9	25
43	Repetitive transcranial magnetic stimulation transiently reduces punding in Parkinson's disease: a preliminary study. <i>Journal of Neural Transmission</i> , 2014, 121, 267-274.	2.8	24
44	Spinal cord involvement in patients with cirrhosis. <i>World Journal of Gastroenterology</i> , 2014, 20, 2578.	3.3	23
45	Is There a Relation between EEG-Slow Waves and Memory Dysfunction in Epilepsy? A Critical Appraisal. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 341.	2.0	22
46	High-Frequency Oscillations in the Scalp Electroencephalogram: Mission Impossible without Computational Intelligence. <i>Computational Intelligence and Neuroscience</i> , 2018, 2018, 1-9.	1.7	22
47	Central motor conduction studies in patients with spinal cord disorders: a review. <i>Spinal Cord</i> , 2014, 52, 420-427.	1.9	21
48	Usefulness of EEG Techniques in Distinguishing Frontotemporal Dementia from Alzheimer's Disease and Other Dementias. <i>Disease Markers</i> , 2018, 2018, 1-9.	1.3	21
49	The effect of age and chronotype on seasonality, sleep problems, and mood. <i>Psychiatry Research</i> , 2021, 297, 113722.	3.3	21
50	Gamma oscillatory activity in a visual discrimination task. <i>Brain Research Bulletin</i> , 2007, 71, 593-600.	3.0	19
51	Assessment of corticospinal excitability after traumatic spinal cord injury using MEP recruitment curves: a preliminary TMS study. <i>Spinal Cord</i> , 2015, 53, 534-538.	1.9	19
52	Effects of intermittent theta burst stimulation on spasticity after spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 287-294.	0.7	19
53	Passive cycling in neurorehabilitation after spinal cord injury: A review. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 8-16.	1.4	16
54	Inter-individual variability of oscillatory responses to subject's own name. A single-subject analysis. <i>International Journal of Psychophysiology</i> , 2011, 80, 227-235.	1.0	15

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55	Spinal cord injury affects I-wave facilitation in human motor cortex. <i>Brain Research Bulletin</i> , 2015, 116, 93-97.	3.0	15
56	Combining SPECT and Quantitative EEG Analysis for the Automated Differential Diagnosis of Disorders with Amnesic Symptoms. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 290.	3.4	15
57	Reliability of EEG Interactions Differs between Measures and Is Specific for Neurological Diseases. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 350.	2.0	15
58	Imagine There Is No Plegia. Mental Motor Imagery Difficulties in Patients with Traumatic Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2017, 11, 689.	2.8	15
59	Effects of Repetitive Transcranial Magnetic Stimulation over Prefrontal Cortex on Attention in Psychiatric Disorders: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 416.	2.4	15
60	Specific Neuropsychiatric Symptoms Are Associated with Faster Progression in Alzheimer's Disease: Results of the Prospective Dementia Registry (PRODEM-Austria). <i>Journal of Alzheimer's Disease</i> , 2020, 73, 125-133.	2.6	15
61	Brain activation disturbance for target detection in patients with mild cognitive impairment: an fMRI study. <i>Neurobiology of Aging</i> , 2012, 33, 1002.e1-1002.e16.	3.1	14
62	Self-Related Processing and Deactivation of Cortical Midline Regions in Disorders of Consciousness. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 504.	2.0	14
63	Cortical afferent inhibition abnormalities reveal cholinergic dysfunction in Parkinson's disease: a reappraisal. <i>Journal of Neural Transmission</i> , 2017, 124, 1417-1429.	2.8	14
64	Personalized safety measures reduce the adverse event rate of long-term video EEG. <i>Epilepsia Open</i> , 2017, 2, 400-414.	2.4	14
65	Sample sizes and statistical methods in interventional studies on individuals with spinal cord injury: A systematic review. <i>Journal of Evidence-Based Medicine</i> , 2019, 12, 200-208.	1.8	14
66	Spinal cord involvement in Lewy body-related $\alpha$ -synucleinopathies. <i>Journal of Spinal Cord Medicine</i> , 2020, 43, 832-845.	1.4	14
67	Prediction of Cognitive Decline in Temporal Lobe Epilepsy and Mild Cognitive Impairment by EEG, MRI, and Neuropsychology. <i>Computational Intelligence and Neuroscience</i> , 2020, 2020, 1-16.	1.7	13
68	Cortical afferent inhibition reflects cognitive impairment in obstructive sleep apnea syndrome: a TMS study. <i>Sleep Medicine</i> , 2016, 24, 51-56.	1.6	12
69	Cholinergic transmission is impaired in patients with idiopathic normal-pressure hydrocephalus: a TMS study. <i>Journal of Neural Transmission</i> , 2019, 126, 1073-1080.	2.8	12
70	MEEGIPS: A Modular EEG Investigation and Processing System for Visual and Automated Detection of High Frequency Oscillations. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 20.	2.5	12
71	Quantitative EEG biomarkers for epilepsy and their relation to chemical biomarkers. <i>Advances in Clinical Chemistry</i> , 2021, 102, 271-336.	3.7	12
72	Modulation of non-painful phantom sensation in subjects with spinal cord injury by means of rTMS. <i>Brain Research Bulletin</i> , 2015, 118, 82-86.	3.0	11

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73	Age, Sex, and Pathology Effects on Stability of Electroencephalographic Biometric Features Based on Measures of Interaction. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 459-471.	6.9	11
74	Intracortical inhibitory and excitatory circuits in subjects with minimal hepatic encephalopathy: a TMS study. <i>Metabolic Brain Disease</i> , 2016, 31, 1065-1070.	2.9	10
75	Transcranial magnetic stimulation in myoclonus of different aetiologies. <i>Brain Research Bulletin</i> , 2018, 140, 258-269.	3.0	10
76	Correlation of EEG spectra, connectivity, and information theoretical biomarkers with psychological states in the epilepsy monitoring unit – A pilot study. <i>Epilepsy and Behavior</i> , 2019, 99, 106485.	1.7	10
77	Pitfalls in Scalp High-Frequency Oscillation Detection From Long-Term EEG Monitoring. <i>Frontiers in Neurology</i> , 2020, 11, 432.	2.4	10
78	Endoscope Distortion Correction Does Not (Easily) Improve Mucosa-Based Classification of Celiac Disease. <i>Lecture Notes in Computer Science</i> , 2012, 15, 574-581.	1.3	10
79	Fatigue-induced motor cortex excitability changes in subjects with spinal cord injury. <i>Brain Research Bulletin</i> , 2013, 99, 9-12.	3.0	9
80	Subjective memory impairment and cholinergic transmission: a TMS study. <i>Journal of Neural Transmission</i> , 2015, 122, 873-876.	2.8	9
81	Effects of passive pedaling exercise on the intracortical inhibition in subjects with spinal cord injury. <i>Brain Research Bulletin</i> , 2016, 124, 144-149.	3.0	9
82	HD-EEG Based Classification of Motor-Imagery Related Activity in Patients With Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2018, 9, 955.	2.4	9
83	Do EEG-Biometric Templates Threaten User Privacy?. , 2018, , .		9
84	Effects of Antiepileptic Drug Tapering on Episodic Memory as Measured by Virtual Reality Tests. <i>Frontiers in Neurology</i> , 2020, 11, 93.	2.4	9
85	Disinhibition of sensory cortex in patients with amyotrophic lateral sclerosis. <i>Neuroscience Letters</i> , 2020, 722, 134860.	2.1	9
86	Nausea in Specific Phobia of Vomiting. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2013, 3, 445-458.	2.1	8
87	Effects of theta burst stimulation on referred phantom sensations in patients with spinal cord injury. <i>NeuroReport</i> , 2016, 27, 209-212.	1.2	8
88	Abnormal cortical neuroplasticity induced by paired associative stimulation after traumatic spinal cord injury: A preliminary study. <i>Neuroscience Letters</i> , 2018, 664, 167-171.	2.1	8
89	Integrating the systematic assessment of psychological states in the epilepsy monitoring unit: Concept and compliance. <i>Epilepsy and Behavior</i> , 2018, 88, 5-14.	1.7	8
90	EEG-Response Consistency across Subjects in an Active Oddball Task. <i>PLoS ONE</i> , 2013, 8, e74572.	2.5	8

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91	Improved endoscope distortion correction does not necessarily enhance mucosa-classification based medical decision support systems. , 2012, , .		7
92	Factors Affecting Volume Changes of the Somatosensory Cortex in Patients with Spinal Cord Injury: To Be Considered for Future Neuroprosthetic Design. <i>Frontiers in Neurology</i> , 2017, 8, 662.	2.4	7
93	High Amplitude EEG Motor Potential during Repetitive Foot Movement: Possible Use and Challenges for Futuristic BCIs That Restore Mobility after Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2017, 11, 362.	2.8	7
94	Neurophysiological insights into the pathophysiology of REM sleep behavior disorders: A review. <i>Neuroscience Research</i> , 2013, 76, 106-112.	1.9	6
95	Successful treatment of musician's dystonia using repetitive transcranial magnetic stimulation. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 1871-1872.	1.4	6
96	Variability Issues in Automated Hippocampal Segmentation: A Study on Out-of-the-Box Software and Multi-rater Ground Truth. , 2016, , .		6
97	Quantitative EEG in Cognitive Neuroscience. <i>Brain Sciences</i> , 2021, 11, 517.	2.3	6
98	The role of the ipsilateral primary motor cortex in movement control after spinal cord injury: A TMS study. <i>Neuroscience Letters</i> , 2013, 552, 21-24.	2.1	5
99	Altered response to repetitive transcranial magnetic stimulation in patients with chronic primary insomnia. <i>Sleep Medicine</i> , 2020, 72, 126-129.	1.6	5
100	Effects of Rubber Hand Illusion and Excitatory Theta Burst Stimulation on Tactile Sensation: A Pilot Study. <i>Neural Plasticity</i> , 2020, 2020, 1-8.	2.2	5
101	Trigemino-cervical-spinal reflexes after traumatic spinal cord injury. <i>Clinical Neurophysiology</i> , 2015, 126, 983-986.	1.5	4
102	Simple domain adaptation for cross-dataset analyses of brain MRI data. , 2017, , .		4
103	A virtual reality paradigm to assess episodic memory: Validation-dataset for six parallel versions and a structured behavioral assessment. <i>Data in Brief</i> , 2020, 29, 105279.	1.0	4
104	Central motor and sensory conduction in patients with hepatic myelopathy. <i>Spinal Cord</i> , 2014, 52, 439-443.	1.9	3
105	Assessing Out-of-the-box Software for Automated Hippocampus Segmentation. <i>Informatik Aktuell</i> , 2016, , 212-217.	0.6	3
106	Role of human prefrontal cortex in the modulation of conditioned eyeblink responses. <i>Behavioural Brain Research</i> , 2019, 374, 112027.	2.2	3
107	Cognitive Effects of Montelukast: A Pharmacoo-EEG Study. <i>Brain Sciences</i> , 2021, 11, 547.	2.3	3
108	Predictability of Seasonal Mood Fluctuations Based on Self-Report Questionnaires and EEG Biomarkers in a Non-clinical Sample. <i>Frontiers in Psychiatry</i> , 2022, 13, 870079.	2.6	3

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109	Functional connectivity after hemispherectomy. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1174-1178.	2.0	2
110	Investigating the Effects of Seizures on Procedural Memory Performance in Patients with Epilepsy. Brain Sciences, 2021, 11, 261.	2.3	2
111	Involvement of central sensory pathways in subjects with restless legs syndrome: A neurophysiological study. Brain Research, 2021, 1772, 147673.	2.2	2
112	Are High Frequency Oscillations in Scalp EEG Related to Age?. Frontiers in Neurology, 2021, 12, 722657.	2.4	2
113	Lateralisation Matters: Discrimination of TLE and MCI Based on SPHARM Description of Hippocampal Shape. , 2018, , .		1
114	Automatic vs. Manual Detection of High Frequency Oscillations in Intracranial Recordings From the Human Temporal Lobe. Frontiers in Neurology, 2020, 11, 563577.	2.4	1
115	Letter to the editor concerning "hepatic myelopathy with spastic paraparesis: report of two cases and review of the literature" by S. Ben Amor et al. (Eur Spine J. 2013, Jun 1). European Spine Journal, 2013, 22, 2340-2340.	2.2	0
116	Response to, "The sleep lost" Sleep Medicine, 2014, 15, 375-376.	1.6	0
117	Epistaxis During a Single-Pulse Transcranial Magnetic Stimulation Session: A Previously Unreported Side Effect. Brain Stimulation, 2016, 9, 455-456.	1.6	0
118	EEG, Nonparametric Multivariate Statistics, and Dementia Classification. Springer Proceedings in Mathematics and Statistics, 2018, , 243-257.	0.2	0
119	An empirical assessment of appearance descriptors applied to MRI for automated diagnosis of TLE and MCI. Computers in Biology and Medicine, 2020, 117, 103592.	7.0	0
120	Connectivity Analysis during Rubber Hand Illusion" A Pilot TMS-EEG Study in a Patient with SCI. Neural Plasticity, 2021, 2021, 1-8.	2.2	0
121	Constructing Shape Spaces from a Topological Perspective. Lecture Notes in Computer Science, 2017, , 106-118.	1.3	0
122	Can SPHARM-Based Features from Automated or Manually Segmented Hippocampi Distinguish Between MCI and TLE?. Lecture Notes in Computer Science, 2019, , 465-476.	1.3	0