

Birgit Frauscher

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/509152/publications.pdf>

Version: 2024-02-01

118
papers

6,185
citations

57631

44
h-index

79541

73
g-index

121
all docs

121
docs citations

121
times ranked

5186
citing authors

#	ARTICLE	IF	CITATIONS
1	Future of Neurology & Technology: Stereoelectroencephalography in Presurgical Epilepsy Evaluation. <i>Neurology</i> , 2022, 98, .	1.5	2
2	Risk Factors for Phenoconversion in <sc>Rapid Eye Movement</sc> Sleep Behavior Disorder. <i>Annals of Neurology</i> , 2022, 91, 404-416.	2.8	27
3	Region-specific complexity of the intracranial EEG in the sleeping human brain. <i>Scientific Reports</i> , 2022, 12, 451.	1.6	9
4	Spatio-temporal spike dynamics predict surgical outcome in adult focal epilepsy. <i>Clinical Neurophysiology</i> , 2022, 134, 88-99.	0.7	12
5	Development and Validation of the 5-SENSE Score to Predict Focality of the Seizure-Onset Zone as Assessed by Stereoelectroencephalography. <i>JAMA Neurology</i> , 2022, 79, 70.	4.5	12
6	Barques are generated in posterior hippocampus and phase reverse over lateral posterior hippocampal surface. <i>Clinical Neurophysiology</i> , 2022, 136, 150-157.	0.7	3
7	Provocative Hyperventilation in a Patient With Stroke-Like Migraine Attacks After Radiation Therapy. <i>JAMA Neurology</i> , 2022, , .	4.5	0
8	Correcting for physiological ripples improves epileptic focus identification and outcome prediction. <i>Epilepsia</i> , 2022, 63, 483-496.	2.6	23
9	SleepSEEG: automatic sleep scoring using intracranial EEG recordings only. <i>Journal of Neural Engineering</i> , 2022, 19, 026057.	1.8	15
10	Sleep and epilepsy: A snapshot of knowledge and future research lines. <i>Journal of Sleep Research</i> , 2022, 31, e13622.	1.7	20
11	Clinical Yield of Electromagnetic Source Imaging and Hemodynamic Responses in Epilepsy. <i>Neurology</i> , 2022, 98, .	1.5	12
12	Protocol for multicentre comparison of interictal high-frequency oscillations as a predictor of seizure freedom. <i>Brain Communications</i> , 2022, 4, .	1.5	7
13	Focal epilepsy disrupts spindle structure and function. <i>Scientific Reports</i> , 2022, 12, .	1.6	17
14	Sleep modelled as a continuous and dynamic process predicts healthy ageing better than traditional sleep scoring. <i>Sleep Medicine</i> , 2021, 77, 136-146.	0.8	6
15	Fast oscillations >40 Hz localize the epileptogenic zone: An electrical source imaging study using high-density electroencephalography. <i>Clinical Neurophysiology</i> , 2021, 132, 568-580.	0.7	20
16	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. <i>Brain</i> , 2021, 144, 2486-2498.	3.7	26
17	Interictal spike networks predict surgical outcome in patients with drug-resistant focal epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1212-1223.	1.7	32
18	Relationship Between Epilepsy and Dreaming: Current Knowledge, Hypotheses, and Perspectives. <i>Frontiers in Neuroscience</i> , 2021, 15, 717078.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Hippocampal spindles and barques are normal intracranial electroencephalographic entities. <i>Clinical Neurophysiology</i> , 2021, 132, 3002-3009.	0.7	3
20	A skew-based method for identifying intracranial EEG channels with epileptic activity without detecting spikes, ripples, or fast ripples. <i>Clinical Neurophysiology</i> , 2020, 131, 183-192.	0.7	19
21	How the Human Brain Sleeps: Direct Cortical Recordings of Normal Brain Activity. <i>Annals of Neurology</i> , 2020, 87, 289-301.	2.8	48
22	Rapid Eye Movement Sleep Sawtooth Waves Are Associated with Widespread Cortical Activations. <i>Journal of Neuroscience</i> , 2020, 40, 8900-8912.	1.7	19
23	A prospective controlled study about sleep disorders in drug resistant epilepsy. <i>Sleep Medicine</i> , 2020, 75, 434-440.	0.8	12
24	Intracranial EEG in the 21st Century. <i>Epilepsy Currents</i> , 2020, 20, 180-188.	0.4	65
25	Association of fast ripples on intracranial EEG and outcomes after epilepsy surgery. <i>Neurology</i> , 2020, 95, e2235-e2245.	1.5	37
26	Sleep Disruption in Epilepsy: Ictal and Interictal Epileptic Activity Matter. <i>Annals of Neurology</i> , 2020, 88, 907-920.	2.8	31
27	Functional connectome contractions in temporal lobe epilepsy: Microstructural underpinnings and predictors of surgical outcome. <i>Epilepsia</i> , 2020, 61, 1221-1233.	2.6	65
28	Localizing the epileptogenic zone. <i>Current Opinion in Neurology</i> , 2020, 33, 198-206.	1.8	32
29	The human K-complex: Insights from combined scalp-intracranial EEG recordings. <i>NeuroImage</i> , 2020, 213, 116748.	2.1	35
30	Myeloarchitecture gradients in the human insula: Histological underpinnings and association to intrinsic functional connectivity. <i>NeuroImage</i> , 2020, 216, 116859.	2.1	51
31	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain. <i>PLoS Biology</i> , 2020, 18, e3000979.	2.6	68
32	Epilepsie und Schlaf. , 2020, , 469-479.		0
33	Title is missing!. , 2020, 18, e3000979.		0
34	Title is missing!. , 2020, 18, e3000979.		0
35	Title is missing!. , 2020, 18, e3000979.		0
36	Title is missing!. , 2020, 18, e3000979.		0

#	ARTICLE	IF	CITATIONS
37	Title is missing!. , 2020, 18, e3000979.		0
38	Title is missing!. , 2020, 18, e3000979.		0
39	Title is missing!., 2020, 18, e3000979.		0
40	Title is missing!. , 2020, 18, e3000979.		0
41	NREM sleep is the state of vigilance that best identifies the epileptogenic zone in the interictal electroencephalogram. <i>Epilepsia</i> , 2019, 60, 2404-2415.	2.6	48
42	Association of Cortical Stimulationâ€œInduced Seizure With Surgical Outcome in Patients With Focal Drug-Resistant Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 1070.	4.5	79
43	Interictal coupling of <scp>HFO</scp>s and slow oscillations predicts the seizureâ€œonset pattern in mesiotemporal lobe epilepsy. <i>Epilepsia</i> , 2019, 60, 1160-1170.	2.6	33
44	Fast ripple analysis in human mesial temporal lobe epilepsy suggests two different seizure-generating mechanisms. <i>Neurobiology of Disease</i> , 2019, 127, 374-381.	2.1	14
45	Sleep, oscillations, interictal discharges, and seizures in human focal epilepsy. <i>Neurobiology of Disease</i> , 2019, 127, 545-553.	2.1	65
46	Localization of the Epileptogenic Zone Using High Frequency Oscillations. <i>Frontiers in Neurology</i> , 2019, 10, 94.	1.1	102
47	Association of mitochondrial iron deficiency and dysfunction with idiopathic restless legs syndrome. <i>Movement Disorders</i> , 2019, 34, 114-123.	2.2	21
48	Atlas of the normal intracranial electroencephalogram: neurophysiological awake activity in different cortical areas. <i>Brain</i> , 2018, 141, 1130-1144.	3.7	155
49	Prevalence and determinants of rapid eye movement sleep behavior disorder in the general population. <i>Sleep</i> , 2018, 41, .	0.6	163
50	Sharply contoured theta waves are the human correlate of ponto-geniculo-occipital waves in the primary visual cortex. <i>Clinical Neurophysiology</i> , 2018, 129, 1526-1533.	0.7	12
51	Highâ€œFrequency Oscillations in the Normal Human Brain. <i>Annals of Neurology</i> , 2018, 84, 374-385.	2.8	158
52	Ripples in scalp EEGs of children: co-occurrence with sleep-specific transients and occurrence across sleep stages. <i>Sleep</i> , 2018, 41, .	0.6	17
53	Physiological Activity and Artefacts in the Human Epileptic Brain Studied with Intracerebral Depth Electrode EEG. , 2018, , 65-83.		2
54	Different seizure-onset patterns in mesiotemporal lobe epilepsy have a distinct interictal signature. <i>Clinical Neurophysiology</i> , 2017, 128, 1282-1289.	0.7	14

#	ARTICLE	IF	CITATIONS
55	Physiological and pathological high-frequency oscillations have distinct sleep-homeostatic properties. <i>NeuroImage: Clinical</i> , 2017, 14, 566-573.	1.4	66
56	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	2.6	260
57	Phase-Amplitude Coupling Is Elevated in Deep Sleep and in the Onset Zone of Focal Epileptic Seizures. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 387.	1.0	71
58	Oxygen desaturation during night sleep affects decision-making in patients with obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2016, 25, 395-403.	1.7	8
59	The role of the melanoma gene MC1R in Parkinson disease and REM sleep behavior disorder. <i>Neurobiology of Aging</i> , 2016, 43, 180.e7-180.e13.	1.5	12
60	Differentiating epileptic from non-epileptic high frequency intracerebral EEG signals with measures of wavelet entropy. <i>Clinical Neurophysiology</i> , 2016, 127, 3529-3536.	0.7	18
61	EEG desynchronization during phasic REM sleep suppresses interictal epileptic activity in humans. <i>Epilepsia</i> , 2016, 57, 879-888.	2.6	95
62	Sparse asynchronous cortical generators can produce measurable scalp EEG signals. <i>NeuroImage</i> , 2016, 138, 123-133.	2.1	13
63	Interaction with slow waves during sleep improves discrimination of physiologic and pathologic high-frequency oscillations (80-500 Hz). <i>Epilepsia</i> , 2016, 57, 869-878.	2.6	91
64	The morphology of high frequency oscillations (HFO) does not improve delineating the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2016, 127, 2140-2148.	0.7	73
65	When spikes are symmetric, ripples are not: Bilateral spike and wave above 80 Hz in focal and generalized epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 1794-1802.	0.7	24
66	Detectability of Fast Ripples (>250 Hz) on the Scalp EEG: A Proof-of-Principle Study with Subdermal Electrodes. <i>Brain Topography</i> , 2016, 29, 358-367.	0.8	41
67	Quantitative EEG of Rapid-Eye-Movement Sleep. <i>Clinical EEG and Neuroscience</i> , 2016, 47, 134-141.	0.9	58
68	Relationships between interictal epileptic spikes and ripples in surface EEG. <i>Clinical Neurophysiology</i> , 2016, 127, 143-149.	0.7	39
69	Not Only Sleepwalking But NREM Parasomnia Irrespective of the Type Is Associated with HLA DQB1*05:01. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 565-570.	1.4	58
70	Probable RBD and association with neurodegenerative disease markers: A population-based study. <i>Movement Disorders</i> , 2015, 30, 1417-1421.	2.2	86
71	Interictal Hippocampal Spiking Influences the Occurrence of Hippocampal Sleep Spindles. <i>Sleep</i> , 2015, 38, 1927-1933.	0.6	44
72	A Prospective Video-Polysomnographic Analysis of Movements during Physiological Sleep in 100 Healthy Sleepers. <i>Sleep</i> , 2015, 38, 1479-1487.	0.6	34

#	ARTICLE	IF	CITATIONS
73	Sleep and Respiration in 100 Healthy Caucasian Sleepersâ€”A Polysomnographic Study According to American Academy of Sleep Medicine Standards. <i>Sleep</i> , 2015, 38, 867-75.	0.6	63
74	Long-Term Follow-up Investigation of Isolated Rapid Eye Movement Sleep Without Atonia Without Rapid Eye Movement Sleep Behavior Disorder: A Pilot Study. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 1273-1279.	1.4	75
75	Facilitation of epileptic activity during sleep is mediated by high amplitude slow waves. <i>Brain</i> , 2015, 138, 1629-1641.	3.7	173
76	Authors response to â€œDeficits of attention and cognition in narcoleptic patients â€œ is it hypocretin dependent?â€• <i>Sleep Medicine</i> , 2015, 16, 1025.	0.8	0
77	HLA-DPB1 and HLA Class I Confer Risk of and Protection from Narcolepsy. <i>American Journal of Human Genetics</i> , 2015, 96, 136-146.	2.6	125
78	Diagnostic value of the REM sleep behavior disorder screening questionnaire in Parkinson's disease. <i>Sleep Medicine</i> , 2015, 16, 186-189.	0.8	86
79	Dreaming furiously? A sleep laboratory study on the dream content of people with Parkinson's disease and with or without rapid eye movement sleep behavior disorder. <i>Sleep Medicine</i> , 2015, 16, 419-427.	0.8	32
80	Sleep influences the intracerebral EEG pattern of focal cortical dysplasia. <i>Epilepsy Research</i> , 2015, 113, 132-139.	0.8	30
81	Scalp spindles are associated with widespread intracranial activity with unexpectedly low synchrony. <i>NeuroImage</i> , 2015, 105, 1-12.	2.1	67
82	Risk factors for neurodegeneration in idiopathic rapid eye movement sleep behavior disorder: A multicenter study. <i>Annals of Neurology</i> , 2015, 77, 830-839.	2.8	248
83	Enteric nervous system Î±-synuclein immunoreactivity in idiopathic REM sleep behavior disorder. <i>Neurology</i> , 2015, 85, 1761-1768.	1.5	121
84	Sleep disorders and circadian rhythm in epilepsy revisited: a prospective controlled study. <i>Sleep Medicine</i> , 2015, 16, 237-242.	0.8	46
85	Subjective deficits of attention, cognition and depression in patients with narcolepsy. <i>Sleep Medicine</i> , 2015, 16, 45-51.	0.8	78
86	Sleep-related movement disorders. , 2014, , 314-332.		2
87	C9orf72 Repeat Expansions in Rapid Eye Movement Sleep Behaviour Disorder. <i>Canadian Journal of Neurological Sciences</i> , 2014, 41, 759-762.	0.3	18
88	Quantitative assessment of isolated rapid eye movement (REM) sleep without atonia without clinical REM sleep behavior disorder: clinical and research implications. <i>Sleep Medicine</i> , 2014, 15, 1009-1015.	0.8	31
89	Comorbidity and medication in REM sleep behavior disorder. <i>Neurology</i> , 2014, 82, 1076-1079.	1.5	90
90	Targeted Resequencing and Systematic InÂVivo Functional Testing Identifies Rare Variants in MEIS1 as Significant Contributors to Restless Legs Syndrome. <i>American Journal of Human Genetics</i> , 2014, 95, 85-95.	2.6	52

#	ARTICLE	IF	CITATIONS
91	Autonomic symptoms in idiopathic REM behavior disorder: a multicentre caseâ€“control study. <i>Journal of Neurology</i> , 2014, 261, 1112-1118.	1.8	90
92	Is there a polysomnographic signature of augmentation in restless legs syndrome?. <i>Sleep Medicine</i> , 2014, 15, 1231-1240.	0.8	11
93	Do periodic arm movements during sleep exist in healthy subjects? A polysomnographic study. <i>Sleep Medicine</i> , 2014, 15, 1150-1154.	0.8	7
94	Motor Events during Healthy Sleep: A Quantitative Polysomnographic Study. <i>Sleep</i> , 2014, 37, 763-773.	0.6	87
95	Validation of an Integrated Software for the Detection of Rapid Eye Movement Sleep Behavior Disorder. <i>Sleep</i> , 2014, 37, 1663-1671.	0.6	61
96	DQB1 Locus Alone Explains Most of the Risk and Protection in Narcolepsy with Cataplexy in Europe. <i>Sleep</i> , 2014, 37, 19-25.	0.6	164
97	A Prospective Questionnaire Study in 100 Healthy Sleepers: Non-Bothersome Forms of Recognizable Sleep Disorders Are Still Present. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 623-629.	1.4	28
98	Defining muscle activities for assessment of rapid eye movement sleep behavior disorder: From a qualitative to a quantitative diagnostic level. <i>Sleep Medicine</i> , 2013, 14, 729-733.	0.8	44
99	Family history of idiopathic REM behavior disorder. <i>Neurology</i> , 2013, 80, 2233-2235.	1.5	54
100	Delayed Diagnosis, Range of Severity, and Multiple Sleep Comorbidities: A Clinical and Polysomnographic Analysis of 100 Patients of the Innsbruck Narcolepsy Cohort. <i>Journal of Clinical Sleep Medicine</i> , 2013, 09, 805-812.	1.4	90
101	Normative EMG Values during REM Sleep for the Diagnosis of REM Sleep Behavior Disorder. <i>Sleep</i> , 2012, 35, 835-847.	0.6	332
102	Validation of the Innsbruck REM sleep behavior disorder inventory. <i>Movement Disorders</i> , 2012, 27, 1673-1678.	2.2	87
103	A singleâ€“question screen for rapid eye movement sleep behavior disorder: A multicenter validation study. <i>Movement Disorders</i> , 2012, 27, 913-916.	2.2	311
104	Investigation of autonomic function in idiopathic REM sleep behavior disorder. <i>Journal of Neurology</i> , 2012, 259, 1056-1061.	1.8	64
105	Narcolepsyâ€“cataplexy: deficient prepulse inhibition of blink reflex suggests pedunculopontine involvement. <i>Journal of Sleep Research</i> , 2012, 21, 495-501.	1.7	13
106	Fragmentary myoclonus in sleep revisited: A polysomnographic study in 62 patients. <i>Sleep Medicine</i> , 2011, 12, 410-415.	0.8	35
107	Motor disturbances during non-REM and REM sleep in narcolepsy-cataplexy: a video-polysomnographic analysis. <i>Journal of Sleep Research</i> , 2011, 20, 514-521.	1.7	29
108	Restless legs syndrome in Friedreich ataxia: A polysomnographic study. <i>Movement Disorders</i> , 2011, 26, 302-306.	2.2	13

#	ARTICLE	IF	CITATIONS
109	A Descriptive Analysis of Neck Myoclonus During Routine Polysomnography. <i>Sleep</i> , 2010, 33, 1091-1096.	0.6	30
110	Reply: "Restless Legs Syndrome and Parkinson's Disease". <i>Movement Disorders</i> , 2010, 25, 1314-1315.	2.2	0
111	REM sleep behavior disorder in 703 sleep-disorder patients: The importance of eliciting a comprehensive sleep history. <i>Sleep Medicine</i> , 2010, 11, 167-171.	0.8	75
112	The relation between abnormal behaviors and REM sleep microstructure in patients with REM sleep behavior disorder. <i>Sleep Medicine</i> , 2009, 10, 174-181.	0.8	46
113	The severity range of restless legs syndrome (RLS) and augmentation in a prospective patient cohort: Association with ferritin levels. <i>Sleep Medicine</i> , 2009, 10, 611-615.	0.8	96
114	Quantification of Electromyographic Activity During REM Sleep in Multiple Muscles in REM Sleep Behavior Disorder. <i>Sleep</i> , 2008, 31, 724-731.	0.6	160
115	Auditory Startle Reaction is disinhibited in idiopathic Restless Legs Syndrome. <i>Sleep</i> , 2007, 30, 489-493.	0.6	29
116	Video analysis of motor events in REM sleep behavior disorder. <i>Movement Disorders</i> , 2007, 22, 1464-1470.	2.2	121
117	Daytime sleepiness is not increased in mild to moderate multiple sclerosis: a pupillographic study. <i>Sleep Medicine</i> , 2005, 6, 543-547.	0.8	21
118	Association of Daytime Sleepiness with COMT Polymorphism in Patients with Parkinson Disease: a Pilot Study. <i>Sleep</i> , 2004, 27, 733-736.	0.6	39