

Beate Diehl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5696409/publications.pdf>

Version: 2024-02-01

80
papers

2,818
citations

159585

30
h-index

206112

48
g-index

84
all docs

84
docs citations

84
times ranked

2788
citing authors

#	ARTICLE	IF	CITATIONS
1	Orienting to fear under transient focal disruption of the human amygdala. <i>Brain</i> , 2023, 146, 135-148.	7.6	4
2	Normative brain mapping of interictal intracranial EEG to localize epileptogenic tissue. <i>Brain</i> , 2022, 145, 939-949.	7.6	28
3	Safety of intracranial electroencephalography during functional magnetic resonance imaging in humans at 1.5 tesla using a head transmit RF coil: Histopathological and heat-shock immunohistochemistry observations. <i>NeuroImage</i> , 2022, 254, 119129.	4.2	3
4	Serotonin transporter in the temporal lobe, hippocampus and amygdala in <scp>SUDEP</scp>. <i>Brain Pathology</i> , 2022, 32, e13074.	4.1	10
5	Probabilistic landscape of seizure semiology localizing values. <i>Brain Communications</i> , 2022, 4, .	3.3	7
6	Multiple mechanisms shape the relationship between pathway and duration of focal seizures. <i>Brain Communications</i> , 2022, 4, .	3.3	7
7	Theta power and theta-gamma coupling support long-term spatial memory retrieval. <i>Hippocampus</i> , 2021, 31, 213-220.	1.9	44
8	Visual field defects in temporal lobe epilepsy surgery. <i>Current Opinion in Neurology</i> , 2021, 34, 188-196.	3.6	10
9	Transfer Learning of Deep Spatiotemporal Networks to Model Arbitrarily Long Videos of Seizures. <i>Lecture Notes in Computer Science</i> , 2021, , 334-344.	1.3	6
10	Seizure Clusters, Seizure Severity Markers, and SUDEP Risk. <i>Frontiers in Neurology</i> , 2021, 12, 643916.	2.4	12
11	Machine Learning for Localizing Epileptogenic-Zone in the Temporal Lobe: Quantifying the Value of Multimodal Clinical-Semiology and Imaging Concordance. <i>Frontiers in Digital Health</i> , 2021, 3, 559103.	2.8	9
12	Proteomics and Transcriptomics of the Hippocampus and Cortex in SUDEP and High-Risk SUDEP Patients. <i>Neurology</i> , 2021, 96, e2639-e2652.	1.1	24
13	Sudden Unexpected Death in Epilepsy. <i>Neurology</i> , 2021, 96, e2627-e2638.	1.1	22
14	Automated Analysis of Risk Factors for Postictal Generalized EEG Suppression. <i>Frontiers in Neurology</i> , 2021, 12, 669517.	2.4	5
15	Altered Relationship Between Heart Rate Variability and fMRI-Based Functional Connectivity in People With Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 671890.	2.4	5
16	Mapping Epileptic Networks Using Simultaneous Intracranial EEG-fMRI. <i>Frontiers in Neurology</i> , 2021, 12, 693504.	2.4	5
17	Comparative Effectiveness of Stereotactic Electroencephalography Versus Subdural Grids in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 90, 927-939.	5.3	45
18	Timing of syncope in ictal asystole as a guide when considering pacemaker implantation. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 3019-3026.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Association of Peri-ictal Brainstem Posturing With Seizure Severity and Breathing Compromise in Patients With Generalized Convulsive Seizures. <i>Neurology</i> , 2021, 96, e352-e365.	1.1	16
20	Distinct Patterns of Brain Metabolism in Patients at Risk of Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 623358.	2.4	8
21	Correction to: Transfer Learning of Deep Spatiotemporal Networks to Model Arbitrarily Long Videos of Seizures. <i>Lecture Notes in Computer Science</i> , 2021, , C1-C1.	1.3	1
22	Coding and non-coding transcriptome of mesial temporal lobe epilepsy: Critical role of small non-coding RNAs. <i>Neurobiology of Disease</i> , 2020, 134, 104612.	4.4	33
23	Peri-ictal hypoxia is related to extent of regional brain volume loss accompanying generalized tonic-clonic seizures. <i>Epilepsia</i> , 2020, 61, 1570-1580.	5.1	25
24	Intracranial EEG in the 21st Century. <i>Epilepsy Currents</i> , 2020, 20, 180-188.	0.8	65
25	The nature, frequency and value of stimulation induced seizures during extraoperative cortical stimulation for functional mapping. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 81, 71-75.	2.0	3
26	Seizure pathways change on circadian and slower timescales in individual patients with focal epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11048-11058.	7.1	36
27	Metabolic lesion-deficit mapping of human cognition. <i>Brain</i> , 2020, 143, 877-890.	7.6	13
28	Interictal intracranial electroencephalography for predicting surgical success: The importance of space and time. <i>Epilepsia</i> , 2020, 61, 1417-1426.	5.1	30
29	Preoperative language mapping using navigated TMS compared with extra-operative direct cortical stimulation using intracranial electrodes: A case report. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 76, 96-99.	2.0	2
30	Adenosine kinase and adenosine receptors A ₁ R and A _{2A} R in temporal lobe epilepsy and hippocampal sclerosis and association with risk factors for SUDEP. <i>Epilepsia</i> , 2020, 61, 787-797.	5.1	18
31	Band power modulation through intracranial EEG stimulation and its cross-session consistency. <i>Journal of Neural Engineering</i> , 2020, 17, 054001.	3.5	3
32	The association of serotonin reuptake inhibitors and benzodiazepines with ictal central apnea. <i>Epilepsy and Behavior</i> , 2019, 98, 73-79.	1.7	23
33	Spectral fingerprints or spectral tilt? Evidence for distinct oscillatory signatures of memory formation. <i>PLoS Biology</i> , 2019, 17, e3000403.	5.6	52
34	Postictal serotonin levels are associated with peri-ictal apnea. <i>Neurology</i> , 2019, 93, e1485-e1494.	1.1	28
35	Structured testing during seizures: A practical guide for assessing and interpreting ictal and postictal signs during video EEG long term monitoring. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 72, 13-22.	2.0	6
36	Spatial and episodic memory tasks promote temporal lobe interictal spikes. <i>Annals of Neurology</i> , 2019, 86, 304-309.	5.3	10

#	ARTICLE	IF	CITATIONS
37	Incidence, Recurrence, and Risk Factors for Peri-ictal Central Apnea and Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2019, 10, 166.	2.4	63
38	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2019, 60, 718-729.	5.1	54
39	Neuroimaging of Sudden Unexpected Death in Epilepsy (SUDEP): Insights From Structural and Resting-State Functional MRI Studies. <i>Frontiers in Neurology</i> , 2019, 10, 185.	2.4	43
40	Diagnostic accuracy of interictal source imaging in presurgical epilepsy evaluation: A systematic review from the E-PILEPSY consortium. <i>Clinical Neurophysiology</i> , 2019, 130, 845-855.	1.5	42
41	Postconvulsive central apnea as a biomarker for sudden unexpected death in epilepsy (SUDEP). <i>Neurology</i> , 2019, 92, e171-e182.	1.1	130
42	BOLD mapping of human epileptic spikes recorded during simultaneous intracranial EEG-fMRI: The impact of automated spike classification. <i>NeuroImage</i> , 2019, 184, 981-992.	4.2	10
43	The ventrolateral medulla and medullary raphe in sudden unexpected death in epilepsy. <i>Brain</i> , 2018, 141, 1719-1733.	7.6	80
44	The incidence and significance of periictal apnea in epileptic seizures. <i>Epilepsia</i> , 2018, 59, 573-582.	5.1	113
45	Structural and effective connectivity in focal epilepsy. <i>NeuroImage: Clinical</i> , 2018, 17, 943-952.	2.7	41
46	Serum serotonin levels in patients with epileptic seizures. <i>Epilepsia</i> , 2018, 59, e91-e97.	5.1	50
47	The impact of mapping interictal discharges using EEG-fMRI on the epilepsy presurgical clinical decision making process: A prospective study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 61, 30-37.	2.0	16
48	Probabilistic electrical stimulation mapping of human medial frontal cortex. <i>Cortex</i> , 2018, 109, 336-346.	2.4	22
49	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018, 20, 205-215.	2.7	39
50	The long-term course of temporal lobe epilepsy: From unilateral to bilateral interictal epileptiform discharges in repeated video-EEG monitorings. <i>Epilepsy and Behavior</i> , 2017, 68, 17-21.	1.7	19
51	Somatic complications of epilepsy surgery over 25 years at a single center. <i>Epilepsy Research</i> , 2017, 132, 70-77.	1.6	25
52	Current practice and recommendations in UK epilepsy monitoring units. Report of a national survey and workshop. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 50, 92-98.	2.0	29
53	A novel scheme for the validation of an automated classification method for epileptic spikes by comparison with multiple observers. <i>Clinical Neurophysiology</i> , 2017, 128, 1246-1254.	1.5	10
54	Resection planning in extratemporal epilepsy surgery using 3D multimodality imaging and intraoperative MRI. <i>British Journal of Neurosurgery</i> , 2017, 31, 468-470.	0.8	11

#	ARTICLE	IF	CITATIONS
55	Human hippocampal theta power indicates movement onset and distance travelled. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12297-12302.	7.1	87
56	Factors affecting seizure outcome after epilepsy surgery: an observational series. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 933-940.	1.9	50
57	Invasive epilepsy surgery evaluation. Seizure: the Journal of the British Epilepsy Association, 2017, 44, 125-136.	2.0	78
58	Automated multiple trajectory planning algorithm for the placement of stereo-electroencephalography (SEEG) electrodes in epilepsy treatment. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 123-136.	2.8	37
59	Dysfunctional Brain Networking among Autonomic Regulatory Structures in Temporal Lobe Epilepsy Patients at High Risk of Sudden Unexpected Death in Epilepsy. Frontiers in Neurology, 2017, 8, 544.	2.4	69
60	Predictors for being offered epilepsy surgery: 5-year experience of a tertiary referral centre: Table A1. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2014-310148.	1.9	25
61	2014 Epilepsy Benchmarks Area III: Improve Treatment Options for Controlling Seizures and Epilepsy-Related Conditions without Side Effects. Epilepsy Currents, 2016, 16, 192-197.	0.8	10
62	Current use of imaging and electromagnetic source localization procedures in epilepsy surgery centers across Europe. Epilepsia, 2016, 57, 770-776.	5.1	89
63	Mapping human preictal and ictal haemodynamic networks using simultaneous intracranial EEG-fMRI. NeuroImage: Clinical, 2016, 11, 486-493.	2.7	20
64	Visual and semiautomated evaluation of epileptogenicity in focal cortical dysplasias – An intracranial EEG study. Epilepsy and Behavior, 2016, 58, 69-75.	1.7	14
65	Combined <i>Ex Vivo</i> 9.4T MRI and Quantitative Histopathological Study in Normal and Pathological Neocortical Resections in Focal Epilepsy. Brain Pathology, 2016, 26, 319-333.	4.1	37
66	Testing patients during seizures: A European consensus procedure developed by a joint taskforce of the ILAE – Commission on European Affairs and the European Epilepsy Monitoring Unit Association. Epilepsia, 2016, 57, 1363-1368.	5.1	51
67	Early lipofuscin accumulation in frontal lobe epilepsy. Annals of Neurology, 2016, 80, 882-895.	5.3	24
68	Reversed Procrastination by Focal Disruption of Medial Frontal Cortex. Current Biology, 2016, 26, 2893-2898.	3.9	6
69	Audit of practice in sudden unexpected death in epilepsy (SUDEP) post mortems and neuropathological findings. Neuropathology and Applied Neurobiology, 2016, 42, 463-476.	3.2	68
70	Seizures induced by direct electrical cortical stimulation – Mechanisms and clinical considerations. Clinical Neurophysiology, 2016, 127, 31-39.	1.5	67
71	The additional lateralizing and localizing value of the postictal EEG in frontal lobe epilepsy. Clinical Neurophysiology, 2016, 127, 1774-1780.	1.5	11
72	EEG-fMRI in the presurgical evaluation of temporal lobe epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 642-649.	1.9	69

#	ARTICLE	IF	CITATIONS
73	Seizure localization using ictal phase-locked high gamma. <i>Neurology</i> , 2015, 84, 2320-2328.	1.1	95
74	Drop attacks, falls and atonic seizures in the Video-EEG monitoring unit. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 32, 4-8.	2.0	11
75	Structural imaging biomarkers of sudden unexpected death in epilepsy. <i>Brain</i> , 2015, 138, 2907-2919.	7.6	95
76	Comparison of bipolar versus monopolar extraoperative electrical cortical stimulation mapping in patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2014, 125, 667-674.	1.5	26
77	Atypical, perhaps under-recognized? An unusual phenotype of Friedreich ataxia. <i>Neurogenetics</i> , 2010, 11, 261-265.	1.4	9
78	Hemodynamic correlates of epileptiform discharges: An EEG-fMRI study of 63 patients with focal epilepsy. <i>Brain Research</i> , 2006, 1088, 148-166.	2.2	255
79	Postictal diffusion tensor imaging. <i>Epilepsy Research</i> , 2005, 65, 137-146.	1.6	46
80	Mapping of spikes, slow waves, and motor tasks in a patient with malformation of cortical development using simultaneous EEG and fMRI. <i>Magnetic Resonance Imaging</i> , 2003, 21, 1167-1173.	1.8	45