

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	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
2	Postconvulsive central apnea as a biomarker for sudden unexpected death in epilepsy (SUDEP). <i>Neurology</i> , 2019, 92, e171-e182.	1.1	130
3	The incidence and significance of periictal apnea in epileptic seizures. <i>Epilepsia</i> , 2018, 59, 573-582.	5.1	113
4	Seizure localization using ictal phase-locked high gamma. <i>Neurology</i> , 2015, 84, 2320-2328.	1.1	95
5	Structural imaging biomarkers of sudden unexpected death in epilepsy. <i>Brain</i> , 2015, 138, 2907-2919.	7.6	95
6	Current use of imaging and electromagnetic source localization procedures in epilepsy surgery centers across Europe. <i>Epilepsia</i> , 2016, 57, 770-776.	5.1	89
7	Human hippocampal theta power indicates movement onset and distance travelled. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12297-12302.	7.1	87
8	The ventrolateral medulla and medullary raphe in sudden unexpected death in epilepsy. <i>Brain</i> , 2018, 141, 1719-1733.	7.6	80
9	Invasive epilepsy surgery evaluation. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 44, 125-136.	2.0	78
10	EEG-fMRI in the presurgical evaluation of temporal lobe epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 642-649.	1.9	69
11	Dysfunctional Brain Networking among Autonomic Regulatory Structures in Temporal Lobe Epilepsy Patients at High Risk of Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 544.	2.4	69
12	Audit of practice in sudden unexpected death in epilepsy (<scp>SUDEP</scp>) post mortems and neuropathological findings. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 463-476.	3.2	68
13	Seizures induced by direct electrical cortical stimulation â€“ Mechanisms and clinical considerations. <i>Clinical Neurophysiology</i> , 2016, 127, 31-39.	1.5	67
14	Intracranial EEG in the 21st Century. <i>Epilepsy Currents</i> , 2020, 20, 180-188.	0.8	65
15	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
16	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2019, 60, 718-729.	5.1	54
17	Spectral fingerprints or spectral tilt? Evidence for distinct oscillatory signatures of memory formation. <i>PLoS Biology</i> , 2019, 17, e3000403.	5.6	52
18	Testing patients during seizures: A European consensus procedure developed by a joint taskforce of the <scp>ILAE</scp> â€“ Commission on European Affairs and the European Epilepsy Monitoring Unit Association. <i>Epilepsia</i> , 2016, 57, 1363-1368.	5.1	51

#	ARTICLE	IF	CITATIONS
19	Factors affecting seizure outcome after epilepsy surgery: an observational series. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 933-940.	1.9	50
20	Serum serotonin levels in patients with epileptic seizures. <i>Epilepsia</i> , 2018, 59, e91-e97.	5.1	50
21	Postictal diffusion tensor imaging. <i>Epilepsy Research</i> , 2005, 65, 137-146.	1.6	46
22	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
23	Comparative Effectiveness of Stereotactic Electroencephalography Versus Subdural Grids in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 90, 927-939.	5.3	45
24	Theta power and theta-gamma coupling support long-term spatial memory retrieval. <i>Hippocampus</i> , 2021, 31, 213-220.	1.9	44
25	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
26	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
27	Structural and effective connectivity in focal epilepsy. <i>NeuroImage: Clinical</i> , 2018, 17, 943-952.	2.7	41
28	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018, 20, 205-215.	2.7	39
29	Combined <i>Ex Vivo</i> 9.4T MRI and Quantitative Histopathological Study in Normal and Pathological Neocortical Resections in Focal Epilepsy. <i>Brain Pathology</i> , 2016, 26, 319-333.	4.1	37
30	Automated multiple trajectory planning algorithm for the placement of stereo-electroencephalography (SEEG) electrodes in epilepsy treatment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 123-136.	2.8	37
31	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
32	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
33	Interictal intracranial electroencephalography for predicting surgical success: The importance of space and time. <i>Epilepsia</i> , 2020, 61, 1417-1426.	5.1	30
34	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
35	Postictal serotonin levels are associated with peri-ictal apnea. <i>Neurology</i> , 2019, 93, e1485-e1494.	1.1	28
36	Normative brain mapping of interictal intracranial EEG to localize epileptogenic tissue. <i>Brain</i> , 2022, 145, 939-949.	7.6	28

#	ARTICLE	IF	CITATIONS
37	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
38	Predictors for being offered epilepsy surgery: 5-year experience of a tertiary referral centre: Table 1. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, jnnp-2014-310148.	1.9	25
39	Somatic complications of epilepsy surgery over 25 years at a single center. <i>Epilepsy Research</i> , 2017, 132, 70-77.	1.6	25
40	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
41	Early lipofuscin accumulation in frontal lobe epilepsy. <i>Annals of Neurology</i> , 2016, 80, 882-895.	5.3	24
42	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
43	The association of serotonin reuptake inhibitors and benzodiazepines with ictal central apnea. <i>Epilepsy and Behavior</i> , 2019, 98, 73-79.	1.7	23
44	Probabilistic electrical stimulation mapping of human medial frontal cortex. <i>Cortex</i> , 2018, 109, 336-346.	2.4	22
45	Sudden Unexpected Death in Epilepsy. <i>Neurology</i> , 2021, 96, e2627-e2638.	1.1	22
46	Mapping human preictal and ictal haemodynamic networks using simultaneous intracranial EEG-fMRI. <i>NeuroImage: Clinical</i> , 2016, 11, 486-493.	2.7	20
47	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
48	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
49	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
50	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
51	Visual and semiautomated evaluation of epileptogenicity in focal cortical dysplasias: An intracranial EEG study. <i>Epilepsy and Behavior</i> , 2016, 58, 69-75.	1.7	14
52	Metabolic lesion-deficit mapping of human cognition. <i>Brain</i> , 2020, 143, 877-890.	7.6	13
53	Seizure Clusters, Seizure Severity Markers, and SUDEP Risk. <i>Frontiers in Neurology</i> , 2021, 12, 643916.	2.4	12
54	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

#	ARTICLE	IF	CITATIONS
55	The additional lateralizing and localizing value of the postictal EEG in frontal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 1774-1780.	1.5	11
56	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
57	2014 Epilepsy Benchmarks Area III: Improve Treatment Options for Controlling Seizures and Epilepsy-Related Conditions without Side Effects. <i>Epilepsy Currents</i> , 2016, 16, 192-197.	0.8	10
58	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
59	Spatial and episodic memory tasks promote temporal lobe interictal spikes. <i>Annals of Neurology</i> , 2019, 86, 304-309.	5.3	10
60	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
61	Visual field defects in temporal lobe epilepsy surgery. <i>Current Opinion in Neurology</i> , 2021, 34, 188-196.	3.6	10
62	Serotonin transporter in the temporal lobe, hippocampus and amygdala in <sc>SUDEP</sc>. <i>Brain Pathology</i> , 2022, 32, e13074.	4.1	10
63	Atypical, perhaps under-recognized? An unusual phenotype of Friedreich ataxia. <i>Neurogenetics</i> , 2010, 11, 261-265.	1.4	9
64	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
65	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
66	Probabilistic landscape of seizure semiology localizing values. <i>Brain Communications</i> , 2022, 4, .	3.3	7
67	Multiple mechanisms shape the relationship between pathway and duration of focal seizures. <i>Brain Communications</i> , 2022, 4, .	3.3	7
68	Reversed Procrastination by Focal Disruption of Medial Frontal Cortex. <i>Current Biology</i> , 2016, 26, 2893-2898.	3.9	6
69	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
70	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
71	Automated Analysis of Risk Factors for Postictal Generalized EEG Suppression. <i>Frontiers in Neurology</i> , 2021, 12, 669517.	2.4	5
72	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

#	ARTICLE	IF	CITATIONS
73	Mapping Epileptic Networks Using Simultaneous Intracranial EEG-fMRI. <i>Frontiers in Neurology</i> , 2021, 12, 693504.	2.4	5
74	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
75	Orienting to fear under transient focal disruption of the human amygdala. <i>Brain</i> , 2023, 146, 135-148.	7.6	4
76	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
77	Band power modulation through intracranial EEG stimulation and its cross-session consistency. <i>Journal of Neural Engineering</i> , 2020, 17, 054001.	3.5	3
78	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
79	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
80	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