

# Christian E Elger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3607905/publications.pdf>

Version: 2024-02-01

65  
papers

6,609  
citations

279701

23  
h-index

138417

58  
g-index

66  
all docs

66  
docs citations

66  
times ranked

8716  
citing authors

#	ARTICLE	IF	CITATIONS
1	ILAE Official Report: A practical clinical definition of epilepsy. <i>Epilepsia</i> , 2014, 55, 475-482.	2.6	3,770
2	Cross-frequency coupling supports multi-item working memory in the human hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3228-3233.	3.3	781
3	The natural history of Rasmussen's encephalitis. <i>Brain</i> , 2002, 125, 1751-1759.	3.7	236
4	A prospective, multicenter study of cardiac-based seizure detection to activate vagus nerve stimulation. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 32, 52-61.	0.9	161
5	Adverse cognitive effects of antiepileptic pharmacotherapy: Each additional drug matters. <i>European Neuropsychopharmacology</i> , 2015, 25, 1954-1959.	0.3	138
6	Trends in presurgical evaluation and surgical treatment of epilepsy at one centre from 1988 to 2009. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 54-61.	0.9	136
7	Evaluation of machine learning algorithms for treatment outcome prediction in patients with epilepsy based on structural connectome data. <i>NeuroImage</i> , 2015, 118, 219-230.	2.1	130
8	European trends in epilepsy surgery. <i>Neurology</i> , 2018, 91, e96-e106.	1.5	108
9	Long-term memory impairment in patients with focal epilepsy. <i>Epilepsia</i> , 2007, 48, 26-29.	2.6	107
10	Left hippocampal pathology is associated with atypical language lateralization in patients with focal epilepsy. <i>Brain</i> , 2006, 129, 346-351.	3.7	103
11	Reliable Analysis of Single-Unit Recordings from the Human Brain under Noisy Conditions: Tracking Neurons over Hours. <i>PLoS ONE</i> , 2016, 11, e0166598.	1.1	73
12	Automated volumetry of the mesiotemporal structures in antibody-associated limbic encephalitis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 735-742.	0.9	57
13	Recollection in the human hippocampal-entorhinal cell circuitry. <i>Nature Communications</i> , 2019, 10, 1503.	5.8	47
14	Syncope, seizure-induced bradycardia and asystole: Two cases and review of clinical and pathophysiological features. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 506-511.	0.9	46
15	Single-Neuron Correlates of Conscious Perception in the Human Medial Temporal Lobe. <i>Current Biology</i> , 2017, 27, 2991-2998.e2.	1.8	46
16	Blood markers of cardiac stress after generalized convulsive seizures. <i>Epilepsia</i> , 2019, 60, 201-210.	2.6	43
17	Automated 3D MRI volumetry reveals regional atrophy differences in Rasmussen encephalitis. <i>Epilepsia</i> , 2012, 53, 613-621.	2.6	40
18	Cardiac-based vagus nerve stimulation reduced seizure duration in a patient with refractory epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 26, 81-85.	0.9	39

#	ARTICLE	IF	CITATIONS
19	Prediction of post-surgical seizure outcome in left mesial temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2013, 2, 903-911.	1.4	38
20	Recurrence risk of ictal asystole in epilepsy. <i>Neurology</i> , 2017, 89, 785-791.	1.5	35
21	Representation of abstract semantic knowledge in populations of human single neurons in the medial temporal lobe. <i>PLoS Biology</i> , 2019, 17, e3000290.	2.6	35
22	Blood Pressure in Seizures and Epilepsy. <i>Frontiers in Neurology</i> , 2019, 10, 501.	1.1	33
23	Frequency domain beamforming of magnetoencephalographic beta band activity in epilepsy patients with focal cortical dysplasia. <i>Epilepsy Research</i> , 2014, 108, 1195-1203.	0.8	25
24	Impaired Baroreflex Sensitivity after Bilateral Convulsive Seizures in Patients with Focal Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 210.	1.1	23
25	Distinct white matter integrity in glutamic acid decarboxylase and voltage-gated potassium channel-complex antibody-associated limbic encephalitis. <i>Epilepsia</i> , 2016, 57, 475-483.	2.6	22
26	Laboratory markers of cardiac and metabolic complications after generalized tonic-clonic seizures. <i>BMC Neurology</i> , 2017, 17, 187.	0.8	21
27	Serum biomarkers of cerebral cellular stress after self-limiting tonic clonic seizures: An exploratory study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 85, 1-5.	0.9	18
28	Drebrin Autoantibodies in Patients with Seizures and Suspected Encephalitis. <i>Annals of Neurology</i> , 2020, 87, 869-884.	2.8	17
29	Resection of piriform cortex predicts seizure freedom in temporal lobe epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 177-189.	1.7	17
30	Serum from a Patient with GAD65 Antibody-Associated Limbic Encephalitis Did Not Alter GABAergic Neurotransmission in Cultured Hippocampal Networks. <i>Frontiers in Neurology</i> , 2015, 6, 189.	1.1	16
31	Concept neurons in the human medial temporal lobe flexibly represent abstract relations between concepts. <i>Nature Communications</i> , 2021, 12, 6164.	5.8	16
32	Does the accumulated antiepileptic drug load in chronic epilepsy reflect disease severity?. <i>Epilepsia</i> , 2020, 61, 2685-2695.	2.6	15
33	Neuronal codes for arithmetic rule processing in the human brain. <i>Current Biology</i> , 2022, 32, 1275-1284.e4.	1.8	15
34	Evidence for hippocampal dependence of value-based decisions. <i>Scientific Reports</i> , 2017, 7, 17738.	1.6	13
35	Knowledge of sudden unexpected death in epilepsy (SUDEP) among 372 patients attending a German tertiary epilepsy center. <i>Epilepsy and Behavior</i> , 2018, 80, 360-364.	0.9	13
36	Local brain activity persists during apparently generalized postictal EEG suppression. <i>Epilepsy and Behavior</i> , 2016, 62, 218-224.	0.9	12

#	ARTICLE	IF	CITATIONS
37	Epilepsy surgery in the first six months of life: A systematic review and meta-analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2022, 96, 109-117.	0.9	12
38	Relation of Callosal Structure to Cognitive Abilities in Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2014, 5, 16.	1.1	11
39	Post-Surgical Outcome and Its Determining Factors in Patients Operated on With Focal Cortical Dysplasia Type IIâ€”A Retrospective Monocenter Study. <i>Frontiers in Neurology</i> , 2021, 12, 666056.	1.1	11
40	Volumetry of Mesiotemporal Structures Reflects Serostatus in Patients with Limbic Encephalitis. <i>American Journal of Neuroradiology</i> , 2019, 40, 2081-2089.	1.2	10
41	Fixel-based analysis links white matter characteristics, serostatus and clinical features in limbic encephalitis. <i>NeuroImage: Clinical</i> , 2020, 27, 102289.	1.4	10
42	Impact of T cells on neurodegeneration in antiâ€”GAD65 limbic encephalitis. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2289-2301.	1.7	10
43	Morphometric MRI findings challenge the concept of the â€œunaffectedâ€”hemisphere in Rasmussen encephalitis. <i>Epilepsia</i> , 2019, 60, e40-e46.	2.6	9
44	In vitro neuronal network activity as a new functional diagnostic system to detect effects of Cerebrospinal fluid from autoimmune encephalitis patients. <i>Scientific Reports</i> , 2019, 9, 5591.	1.6	9
45	Performance of ECGâ€”based seizure detection algorithms strongly depends on training and test conditions. <i>Epilepsia Open</i> , 2021, 6, 597-606.	1.3	9
46	Structural network topology in limbic encephalitis is associated with amygdala enlargement, memory performance and serostatus. <i>Epilepsia</i> , 2020, 61, e140-e145.	2.6	8
47	Predictive value of electrically induced seizures for postsurgical seizure outcome. <i>Clinical Neurophysiology</i> , 2020, 131, 2289-2297.	0.7	8
48	Adult-onset temporal lobe epilepsy suspicious for autoimmune pathogenesis: Autoantibody prevalence and clinical correlates. <i>PLoS ONE</i> , 2020, 15, e0241289.	1.1	8
49	Pyramidal tract and alternate motor fibers complementarily mediate motor compensation in patients after hemispherotomy. <i>Scientific Reports</i> , 2020, 10, 1010.	1.6	7
50	Rasmussen encephalitis: Predisposing factors and their potential role in unilaterality. <i>Epilepsia</i> , 2022, 63, 108-119.	2.6	7
51	MRI in the Presurgical Evaluation. , 0, , 805-820.		6
52	Case Report: Hemispherotomy in the First Days of Life to Treat Drug-Resistant Lesional Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 818972.	1.1	6
53	Antiepileptic Drugs Impair Shortening of Isolated Cardiomyocytes. <i>Frontiers in Neurology</i> , 2017, 8, 133.	1.1	4
54	Contralesional White Matter Alterations in Patients After Hemispherotomy. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 262.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Infratentorial MRI Findings in Rasmussen Encephalitis Suggest Primary Cerebellar Involvement. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	3.1	4
56	Multi-scale image analysis and prediction of visual field defects after selective amygdalohippocampectomy. <i>Scientific Reports</i> , 2021, 11, 1444.	1.6	3
57	Functional redundancy of the premotor network in hemispherotomy patients. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1796-1808.	1.7	2
58	Histopathologic Characterization and Neurodegenerative Markers in Patients With Limbic Encephalitis Undergoing Epilepsy Surgery. <i>Frontiers in Neurology</i> , 2022, 13, 859868.	1.1	2
59	Case Report: Behavioral Disorder Following Hemispherotomy: A Valproate Effect?. <i>Frontiers in Neurology</i> , 2021, 12, 764376.	1.1	1
60	Video-EEG findings in acute bithalamic-midbrain ischemia. <i>Journal of the Neurological Sciences</i> , 2017, 380, 16-18.	0.3	0
61	Shape description and volumetry of hippocampus and amygdala in temporal lobe epilepsy â€“ A beneficial combination with a clinical perspective. <i>Epilepsy and Behavior</i> , 2022, 128, 108560.	0.9	0
62	Title is missing!. , 2020, 15, e0241289.		0
63	Title is missing!. , 2020, 15, e0241289.		0
64	Title is missing!. , 2020, 15, e0241289.		0
65	Title is missing!. , 2020, 15, e0241289.		0