

William H Theodore

List of Publications by Year in descending order

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135
papers

9,243
citations

28274

55
h-index

43889

91
g-index

136
all docs

136
docs citations

136
times ranked

8416
citing authors

#	ARTICLE	IF	CITATIONS
1	Standards for epidemiologic studies and surveillance of epilepsy. <i>Epilepsia</i> , 2011, 52, 2-26.	5.1	836
2	Brain stimulation for epilepsy. <i>Lancet Neurology</i> , The, 2004, 3, 111-118.	10.2	372
3	Regional cerebral blood flow during object naming and word reading. <i>Human Brain Mapping</i> , 1995, 3, 93-106.	3.6	367
4	{18F}fluorodeoxyglucose positron emission tomography in refractory complex partial seizures. <i>Annals of Neurology</i> , 1983, 14, 429-437.	5.3	239
5	Functional Mapping of Human Learning: A Positron Emission Tomography Activation Study of Eyeblink Conditioning. <i>Journal of Neuroscience</i> , 1996, 16, 4032-4040.	3.6	210
6	Temporal lobectomy for uncontrolled seizures: The role of positron emission tomography. <i>Annals of Neurology</i> , 1992, 32, 789-794.	5.3	207
7	Practice guideline summary: Use of fMRI in the presurgical evaluation of patients with epilepsy. <i>Neurology</i> , 2017, 88, 395-402.	1.1	188
8	Recommendations for the use of structural magnetic resonance imaging in the care of patients with epilepsy: A consensus report from the International League Against Epilepsy Neuroimaging Task Force. <i>Epilepsia</i> , 2019, 60, 1054-1068.	5.1	184
9	Epilepsy in North America: A Report Prepared under the Auspices of the Global Campaign against Epilepsy, the International Bureau for Epilepsy, the International League Against Epilepsy, and the World Health Organization. <i>Epilepsia</i> , 2006, 47, 1700-1722.	5.1	180
10	Circadian and circaseptan rhythms in human epilepsy: a retrospective cohort study. <i>Lancet Neurology</i> , The, 2018, 17, 977-985.	10.2	180
11	MRI-based hippocampal volumetrics: Data acquisition, normal ranges, and optimal protocol. <i>Magnetic Resonance Imaging</i> , 1995, 13, 1057-1064.	1.8	157
12	Extratemporal atrophy in patients with complex partial seizures of left temporal origin. <i>Annals of Neurology</i> , 1998, 43, 41-45.	5.3	154
13	Disparities in epilepsy: Report of a systematic review by the North American Commission of the International League Against Epilepsy. <i>Epilepsia</i> , 2009, 50, 2285-2295.	5.1	136
14	5-HT1A Receptor Binding in Temporal Lobe Epilepsy Patients With and Without Major Depression. <i>Biological Psychiatry</i> , 2007, 62, 1258-1264.	1.3	127
15	Characterization of atypical language activation patterns in focal epilepsy. <i>Annals of Neurology</i> , 2014, 75, 33-42.	5.3	126
16	Neuroinflammation in Temporal Lobe Epilepsy Measured Using Positron Emission Tomographic Imaging of Translocator Protein. <i>JAMA Neurology</i> , 2015, 72, 882.	9.0	126
17	Efficacy and Tolerability of the New Antiepileptic Drugs, I: Treatment of New-Onset Epilepsy: Report of the TTA and QSS Subcommittees of the American Academy of Neurology and the American Epilepsy Society. <i>Epilepsia</i> , 2004, 45, 401-409.	5.1	123
18	Association of Human Herpesvirus-6B with Mesial Temporal Lobe Epilepsy. <i>PLoS Medicine</i> , 2007, 4, e180.	8.4	123

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19	Neuroimaging of epilepsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 985-1014.	1.8	120
20	FDG-Positron Emission Tomography and Invasive EEG: Seizure Focus Detection and Surgical Outcome. Epilepsia, 1997, 38, 81-86.	5.1	119
21	Felbamate: A Clinical Trial for Complex Partial Seizures. Epilepsia, 1991, 32, 392-397.	5.1	112
22	Effect of Valproate on Cerebral Metabolism and Blood Flow: An 18F-2-Deoxyglucose and 15O Water Positron Emission Tomography Study. Epilepsia, 1996, 37, 515-521.	5.1	110
23	Interictal Autonomic Nervous System Function in Patients with Epilepsy. Epilepsia, 1994, 35, 199-204.	5.1	107
24	Human herpes virus 6B: A possible role in epilepsy?. Epilepsia, 2008, 49, 1828-1837.	5.1	105
25	The Relationship between Glucose Metabolism, Resting-State fMRI BOLD Signal, and GABA _A -Binding Potential: A Preliminary Study in Healthy Subjects and Those with Temporal Lobe Epilepsy. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 583-591.	4.3	104
26	Clinical applications: MRI, SPECT, and PET. Magnetic Resonance Imaging, 1995, 13, 1119-1124.	1.8	99
27	Lack of effect of St John's Wort on carbamazepine pharmacokinetics in healthy volunteers. Clinical Pharmacology and Therapeutics, 2000, 68, 605-612.	4.7	98
28	The effect of carbamazepine on cerebral glucose metabolism. Annals of Neurology, 1989, 25, 516-520.	5.3	97
29	Effect of Valproate on Human Cerebral Glucose Metabolism. Epilepsia, 1991, 32, 417-422.	5.1	94
30	Reduced Hippocampal 5HT1A PET Receptor Binding and Depression in Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 1526-1530.	5.1	94
31	Mechanism of valproate-phenobarbital interaction in epileptic patients. Clinical Pharmacology and Therapeutics, 1981, 29, 480-486.	4.7	93
32	Cortical Stimulation Elicits Regional Distinctions in Auditory and Visual Naming. Epilepsia, 1996, 37, 245-252.	5.1	92
33	5-HT 1A receptors are reduced in temporal lobe epilepsy after partial-volume correction. Journal of Nuclear Medicine, 2005, 46, 1128-35.	5.0	92
34	Increased In Vivo Expression of an Inflammatory Marker in Temporal Lobe Epilepsy. Journal of Nuclear Medicine, 2012, 53, 234-240.	5.0	90
35	Epilepsy imaging study guideline criteria: Commentary on diagnostic testing study guidelines and practice parameters. Epilepsia, 2011, 52, 1750-1756.	5.1	89
36	Transient Sensory, Cognitive and Affective Phenomena in Affective Illness. British Journal of Psychiatry, 1985, 146, 81-89.	2.8	84

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37	A Korean Kindred With Autosomal Dominant Nocturnal Frontal Lobe Epilepsy and Mental Retardation. Archives of Neurology, 2003, 60, 1625.	4.5	79
38	Effect of Felbamate on Plasma Levels of Carbamazepine and Its Metabolites. Epilepsia, 1991, 32, 130-132.	5.1	76
39	Immune-mediated epilepsies. Epilepsia, 2011, 52, 5-11.	5.1	76
40	Response to commentary on recommendations for the use of structural MRI in the care of patients with epilepsy: A consensus report from the ILAE Neuroimaging Task Force. Epilepsia, 2019, 60, 2143-2144.	5.1	74
41	Postoperative Changes in Cerebral Metabolism in Temporal Lobe Epilepsy. Archives of Neurology, 2000, 57, 1447-52.	4.5	73
42	Usefulness of pulsed arterial spin labeling MR imaging in mesial temporal lobe epilepsy. Epilepsy Research, 2008, 82, 183-189.	1.6	73
43	Effect of Phenytoin on Human Cerebral Glucose Metabolism. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 315-320.	4.3	69
44	Cerebral glucose metabolism in the Lennox-Gastaut syndrome. Annals of Neurology, 1987, 21, 14-21.	5.3	69
45	PET imaging of opiate receptor binding in human epilepsy using [18F]cyclofoxy. Epilepsy Research, 1992, 13, 129-139.	1.6	68
46	The Role of the Temporal Lobes in Recognizing Visuospatial Materials: Remembering versus Knowing. Brain and Cognition, 1997, 35, 5-25.	1.8	68
47	Seizure Frequency in Intractable Partial Epilepsy: A Statistical Analysis. Epilepsia, 1991, 32, 642-649.	5.1	66
48	Transcranial Magnetic Stimulation in Epilepsy. Epilepsy Currents, 2003, 3, 191-197.	0.8	66
49	Neurocysticercosis: A natural human model of epileptogenesis. Epilepsia, 2015, 56, 177-183.	5.1	64
50	Does Serotonin Play a Role in Epilepsy?. Epilepsy Currents, 2003, 3, 173-177.	0.8	62
51	Hypothalamic Hamartomas and Seizures: Distinct Natural History of Isolated and Pallister-Hall Syndrome Cases. Epilepsia, 2005, 46, 42-47.	5.1	62
52	Temporal lobe epilepsy, depression, and hippocampal volume. Epilepsia, 2009, 50, 1067-1071.	5.1	62
53	Comparison of PET measurements of cerebral blood flow and glucose metabolism for the localization of human epileptic foci. Epilepsy Research, 1992, 13, 153-157.	1.6	61
54	¹⁸ F-FWAY and ¹⁸ F-FDG PET in MRI-negative temporal lobe epilepsy. Epilepsia, 2009, 50, 234-239.	5.1	61

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55	Interictal Aggression in Epilepsy: The Buss-Durkee Hostility Inventory. <i>Epilepsia</i> , 1994, 35, 585-590.	5.1	59
56	An estimate of placebo effect of repetitive transcranial magnetic stimulation in epilepsy. <i>Epilepsy and Behavior</i> , 2011, 20, 355-359.	1.7	58
57	The Effect of Antiepileptic Drugs on 5-HT _{1A} -Receptor Binding Measured by Positron Emission Tomography. <i>Epilepsia</i> , 2006, 47, 499-503.	5.1	57
58	Epilepsy in succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. <i>Brain and Development</i> , 2011, 33, 796-805.	1.1	56
59	Identification of clinically relevant biomarkers of epileptogenesis – a strategic roadmap. <i>Nature Reviews Neurology</i> , 2021, 17, 231-242.	10.1	54
60	Hippocampal Volume and Glucose Metabolism in Temporal Lobe Epileptic foci. <i>Epilepsia</i> , 2008, 42, 130-132.	5.1	53
61	Thirty years beyond discovery – Clinical trials in succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 401-410.	3.6	53
62	Confusing placebo effect with natural history in epilepsy: A big data approach. <i>Annals of Neurology</i> , 2015, 78, 329-336.	5.3	53
63	Complex Partial Seizures: Cerebellar Metabolism. <i>Epilepsia</i> , 1987, 28, 319-323.	5.1	49
64	Serotonin 1A receptors, depression, and memory in temporal lobe epilepsy. <i>Epilepsia</i> , 2012, 53, 129-133.	5.1	49
65	Characteristics of large patient-reported outcomes: Where can one million seizures get us?. <i>Epilepsia Open</i> , 2018, 3, 364-373.	2.4	46
66	The expression of inflammatory markers and their potential influence on efflux transporters in drug-resistant mesial temporal lobe epilepsy tissue. <i>Epilepsia</i> , 2018, 59, 1507-1517.	5.1	46
67	Effect of barbiturate coma on glucose utilization in normal brain versus gliomas. <i>Journal of Neurosurgery</i> , 1987, 67, 71-75.	1.6	45
68	Language functional MRI and direct cortical stimulation in epilepsy preoperative planning. <i>Annals of Neurology</i> , 2017, 81, 526-537.	5.3	45
69	Felbamate Monotherapy: Implications for Antiepileptic Drug Development. <i>Epilepsia</i> , 1995, 36, 1105-1110.	5.1	44
70	Inherited disorders of gamma-aminobutyric acid metabolism and advances in <i>ALDH5A1</i> mutation identification. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 611-617.	2.1	44
71	Neuroinflammation in neocortical epilepsy measured by PET imaging of translocator protein. <i>Epilepsia</i> , 2019, 60, 1248-1254.	5.1	44
72	The 5-HT _{1A} receptor and 5-HT transporter in temporal lobe epilepsy. <i>Neurology</i> , 2013, 80, 1465-1471.	1.1	43

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73	Long-term monitoring of cardiorespiratory patterns in drug-resistant epilepsy. <i>Epilepsia</i> , 2017, 58, 77-84.	5.1	43
74	Epilepsy Duration, Febrile Seizures, and Cerebral Glucose Metabolism. <i>Epilepsia</i> , 2004, 45, 276-279.	5.1	42
75	The postictal state: Effects of age and underlying brain dysfunction. <i>Epilepsy and Behavior</i> , 2010, 19, 118-120.	1.7	41
76	Neuroinflammation imaging markers for epileptogenesis. <i>Epilepsia</i> , 2017, 58, 11-19.	5.1	41
77	MR Imaging and Positron Emission Tomography of Cortical Heterotopia. <i>Journal of Computer Assisted Tomography</i> , 1985, 9, 1137-1139.	0.9	40
78	Complex Partial Seizures: Cerebral Structure and Cerebral Function. <i>Epilepsia</i> , 1986, 27, 576-582.	5.1	39
79	Bilateral hippocampal atrophy in temporal lobe epilepsy: Effect of depressive symptoms and febrile seizures. <i>Epilepsia</i> , 2011, 52, 689-697.	5.1	39
80	Cerebrospinal Fluid and Serum Levels of DOPA, Catechols, and Monoamine Metabolites in Patients with Epilepsy. <i>Epilepsia</i> , 1992, 33, 263-270.	5.1	38
81	Total Cerebral Volume Is Reduced in Patients With Localization-Related Epilepsy and a History of Complex Febrile Seizures. <i>Archives of Neurology</i> , 2003, 60, 250.	4.5	38
82	Cerebrospinal fluid pleocytosis following simple, complex partial, and generalized tonic-clonic seizures. <i>Annals of Neurology</i> , 1988, 23, 402-403.	5.3	37
83	Presurgical Focus Localization in Epilepsy: PET and SPECT. <i>Seminars in Nuclear Medicine</i> , 2017, 47, 44-53.	4.6	36
84	Neuropsychological profiles in bipolar affective disorder and complex partial seizure disorder.. <i>Neuropsychology</i> , 1994, 8, 55-64.	1.3	33
85	Is seizure frequency variance a predictable quantity?. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 201-207.	3.7	33
86	Temporal lobectomy: Resection volume, neuropsychological effects, and seizure outcome. <i>Epilepsy and Behavior</i> , 2009, 16, 311-314.	1.7	31
87	Treatment strategies in the postictal state. <i>Epilepsy and Behavior</i> , 2010, 19, 188-190.	1.7	31
88	Age-dependent mesial temporal lobe lateralization in language <sc>fMRI</sc>. <i>Epilepsia</i> , 2016, 57, 122-130.	5.1	30
89	Memory and intelligence in lateralized temporal lobe epilepsy and schizophrenia. <i>Schizophrenia Research</i> , 1995, 17, 59-65.	2.0	29
90	Assessment of the attention impairment in absence epilepsy: Comparison of visual and auditory P300. <i>International Journal of Psychophysiology</i> , 2009, 73, 118-122.	1.0	29

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91	Generic antiepileptic drugsâ€”Safe or harmful in patients with epilepsy?. <i>Epilepsia</i> , 2018, 59, 1273-1281.	5.1	29
92	The clinical value of free phenytoin levels. <i>Annals of Neurology</i> , 1985, 18, 90-93.	5.3	28
93	Neuroimaging and the progression of epilepsy. <i>Progress in Brain Research</i> , 2002, 135, 305-313.	1.4	26
94	Contributions to singing ability by the posterior portion of the superior temporal gyrus of the non-language-dominant hemisphere: First evidence from subdural cortical stimulation, Wada testing, and fMRI. <i>Cortex</i> , 2010, 46, 343-353.	2.4	26
95	A big data approach to the development of mixed-effects models for seizure count data. <i>Epilepsia</i> , 2017, 58, 835-844.	5.1	26
96	<scp>fMRI</scp> prediction of naming change after adult temporal lobe epilepsy surgery: Activation matters. <i>Epilepsia</i> , 2019, 60, 527-538.	5.1	26
97	Cerebrospinal Fluid Levels of Neuropeptides, Cortisol, and Amino Acids in Patients with Epilepsy. <i>Epilepsia</i> , 1993, 34, 255-261.	5.1	23
98	Infection with HHV-6 and its role in epilepsy. <i>Epilepsy Research</i> , 2019, 153, 34-39.	1.6	23
99	Does accounting for seizure frequency variability increase clinical trial power?. <i>Epilepsy Research</i> , 2017, 137, 145-151.	1.6	22
100	Functional MRI and direct cortical stimulation: Prediction of postoperative language decline. <i>Epilepsia</i> , 2019, 60, 560-570.	5.1	22
101	The effect of seizure focus on regional language processing areas. <i>Epilepsia</i> , 2012, 53, 1044-1050.	5.1	21
102	Individualizing the definition of seizure clusters based on temporal clustering analysis. <i>Epilepsy Research</i> , 2020, 163, 106330.	1.6	21
103	Prospective validation study of an epilepsy seizure risk system for outpatient evaluation. <i>Epilepsia</i> , 2020, 61, 29-38.	5.1	20
104	PET of Serotonin 1A Receptors and Cerebral Glucose Metabolism for Temporal Lobectomy. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1375-1382.	5.0	19
105	New-onset seizure in HIV-infected adult Zambians. <i>Neurology</i> , 2017, 88, 477-482.	1.1	19
106	Convection-Enhanced Delivery of Muscimol in Patients with Drug-Resistant Epilepsy. <i>Neurosurgery</i> , 2019, 85, E4-E15.	1.1	19
107	Language lateralization from task-based and resting state functional MRI in patients with epilepsy. <i>Human Brain Mapping</i> , 2020, 41, 3133-3146.	3.6	19
108	Different as night and day: Patterns of isolated seizures, clusters, and status epilepticus. <i>Epilepsia</i> , 2018, 59, e73-e77.	5.1	18

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109	Intractable Seizures: Long-Term Follow-Up After Prolonged Inpatient Treatment in an Epilepsy Unit. <i>Epilepsia</i> , 1983, 24, 336-343.	5.1	16
110	Acute EEG findings in HIV-infected Zambian adults with new-onset seizure. <i>Neurology</i> , 2015, 84, 1317-1322.	1.1	16
111	A multi-dataset time-reversal approach to clinical trial placebo response and the relationship to natural variability in epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 53, 31-36.	2.0	16
112	Safety and Efficacy of Natalizumab as Adjunctive Therapy for People With Drug-Resistant Epilepsy. <i>Neurology</i> , 2021, 97, e1757-e1767.	1.1	15
113	Epilepsy diagnosis. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 107, 409-424.	1.8	14
114	Automated versus manual hippocampal segmentation in preoperative and postoperative patients with epilepsy. <i>Epilepsia</i> , 2014, 55, 1374-1379.	5.1	14
115	Mapping Language in Epilepsy with Functional Imaging. <i>Neuroscientist</i> , 2000, 6, 390-400.	3.5	13
116	Epilepsy in Latin America and the Caribbean: a survey on needs and resources. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 1999, 6, 342-345.	1.1	13
117	Brain stimulation for epilepsy. <i>Nature Clinical Practice Neurology</i> , 2005, 1, 64-65.	2.5	12
118	When is positron emission tomography really necessary in epilepsy diagnosis?. <i>Current Opinion in Neurology</i> , 2002, 15, 191-195.	3.6	11
119	Using Cerebral White Matter for Estimation of Nondisplaceable Binding of 5-HT _{1A} Receptors in Temporal Lobe Epilepsy. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1794-1800.	5.0	11
120	18F-FCWAY, a serotonin 1A receptor radioligand, is a substrate for efflux transport at the human blood-brain barrier. <i>NeuroImage</i> , 2016, 138, 134-140.	4.2	10
121	If not pharmacology, maybe physics. <i>Neurology</i> , 2006, 66, 1468-1469.	1.1	8
122	Neuroimaging reveals automatic speech coding during perception of written word meaning. <i>NeuroImage</i> , 2002, 17, 859-70.	4.2	8
123	Epilepsy and cerebellar hypometabolism. <i>Annals of Neurology</i> , 1986, 20, 649-649.	5.3	7
124	Epilepsy and Depression: Imaging Potential Common Factors. <i>Clinical EEG and Neuroscience</i> , 2004, 35, 38-45.	1.7	7
125	Cerebral blood flow in temporal lobe epilepsy: a partial volume correction study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 2066-2072.	6.4	6
126	Cognitive Impairment and Psychiatric Morbidity in HIV+ Zambians with New-Onset Seizure. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 1254-1258.	1.4	6

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127	HHV-6 and hippocampal volume in patients with mesial temporal sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1674-1680.	3.7	6
128	Human herpesvirus 6 and epilepsy. <i>Epilepsia Open</i> , 2021, 6, 777-780.	2.4	5
129	Clinical characteristics and outcomes after new-onset seizure among Zambian children with HIV during the antiretroviral therapy era. <i>Epilepsia Open</i> , 2022, 7, 315-324.	2.4	5
130	Implications of neuroimaging for the treatment of epilepsy. <i>Annals of Neurology</i> , 2003, 53, 286-288.	5.3	3
131	Epilepsy in the Hippocratic collection: Seizures and syndromes. <i>Epilepsy and Behavior</i> , 2021, 115, 107704.	1.7	2
132	Evaluating the impact of antiretroviral and antiseizure medication interactions on treatment effectiveness among outpatient clinic attendees with HIV in Zambia. <i>Epilepsia</i> , 2020, 61, 2705-2711.	5.1	1
133	New PET tracers. <i>Handbook of Clinical Neurophysiology</i> , 2003, 3, 531-538.	0.0	0
134	Imaging Comorbidities in Epilepsy: Depression. , 2019, , 207-216.		0
135	Imaging Evaluation of Epilepsy: Functional and Structural Approaches. , 2021, , 983-1005.		0