

# Jurriaan M Peters

## List of Publications by Year in descending order

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106  
papers

6,275  
citations

136950

32  
h-index

71685

76  
g-index

108  
all docs

108  
docs citations

108  
times ranked

6111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuberous Sclerosis Complex Diagnostic Criteria Update: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013, 49, 243-254.	2.1	1,185
2	Tuberous Sclerosis Complex Surveillance and Management: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013, 49, 255-265.	2.1	693
3	Efficacy and safety of everolimus for subependymal giant cell astrocytomas associated with tuberous sclerosis complex (EXIST-1): a multicentre, randomised, placebo-controlled phase 3 trial. <i>Lancet</i> , The, 2013, 381, 125-132.	13.7	687
4	Electrical Status Epilepticus in Sleep: Clinical Presentation and Pathophysiology. <i>Pediatric Neurology</i> , 2012, 47, 390-410.	2.1	259
5	Dystonia with motor delay in compound heterozygotes for GTP-cyclohydrolase I gene mutations. <i>Annals of Neurology</i> , 1998, 44, 10-16.	5.3	234
6	Updated International Tuberous Sclerosis Complex Diagnostic Criteria and Surveillance and Management Recommendations. <i>Pediatric Neurology</i> , 2021, 123, 50-66.	2.1	230
7	Everolimus for subependymal giant cell astrocytoma in patients with tuberous sclerosis complex: 2-year open-label extension of the randomised EXIST-1 study. <i>Lancet Oncology</i> , The, 2014, 15, 1513-1520.	10.7	152
8	Brain functional networks in syndromic and non-syndromic autism: a graph theoretical study of EEG connectivity. <i>BMC Medicine</i> , 2013, 11, 54.	5.5	149
9	Long-Term Use of Everolimus in Patients with Tuberous Sclerosis Complex: Final Results from the EXIST-1 Study. <i>PLoS ONE</i> , 2016, 11, e0158476.	2.5	146
10	Add-on Cannabidiol Treatment for Drug-Resistant Seizures in Tuberous Sclerosis Complex. <i>JAMA Neurology</i> , 2021, 78, 285.	9.0	139
11	Loss of White Matter Microstructural Integrity Is Associated with Adverse Neurological Outcome in Tuberous Sclerosis Complex. <i>Academic Radiology</i> , 2012, 19, 17-25.	2.5	111
12	Somatic <i>SLC35A2</i> variants in the brain are associated with intractable neocortical epilepsy. <i>Annals of Neurology</i> , 2018, 83, 1133-1146.	5.3	95
13	The tower of Babel: Survey on concepts and terminology in electrical status epilepticus in sleep and continuous spikes and waves during sleep in North America. <i>Epilepsia</i> , 2013, 54, 741-750.	5.1	93
14	Clinical Electroencephalographic Biomarker for Impending Epilepsy in Asymptomatic Tuberous Sclerosis Complex Infants. <i>Pediatric Neurology</i> , 2016, 54, 29-34.	2.1	93
15	A brain symmetry index (BSI) for online EEG monitoring in carotid endarterectomy. <i>Clinical Neurophysiology</i> , 2004, 115, 1189-1194.	1.5	91
16	Presentation and Diagnosis of Tuberous Sclerosis Complex in Infants. <i>Pediatrics</i> , 2017, 140, .	2.1	90
17	Continuous Spike and Waves During Sleep and Electrical Status Epilepticus in Sleep. <i>Journal of Clinical Neurophysiology</i> , 2011, 28, 154-164.	1.7	87
18	The effect of everolimus on renal angiomyolipoma in patients with tuberous sclerosis complex being treated for subependymal giant cell astrocytoma: subgroup results from the randomized, placebo-controlled, Phase 3 trial EXIST-1. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 1203-1210.	0.7	79

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19	Impaired Language Pathways in Tuberous Sclerosis Complex Patients with Autism Spectrum Disorders. <i>Cerebral Cortex</i> , 2013, 23, 1526-1532.	2.9	72
20	Assessing the localization accuracy and clinical utility of electric and magnetic source imaging in children with epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 491-504.	1.5	62
21	Clinical staging and electroencephalographic evolution of continuous spikes and waves during sleep. <i>Epilepsia</i> , 2012, 53, 1185-1195.	5.1	60
22	Surgical resection of ripple onset predicts outcome in pediatric epilepsy. <i>Annals of Neurology</i> , 2018, 84, 331-346.	5.3	51
23	Tuberous Sclerosis: A New Frontier in Targeted Treatment of Autism. <i>Neurotherapeutics</i> , 2015, 12, 572-583.	4.4	47
24	Scalp EEG spikes predict impending epilepsy in TSC infants: A longitudinal observational study. <i>Epilepsia</i> , 2019, 60, 2428-2436.	5.1	45
25	Update on Drug Management of Refractory Epilepsy in Tuberous Sclerosis Complex. <i>Paediatric Drugs</i> , 2020, 22, 73-84.	3.1	44
26	Advances and Future Directions for Tuberous Sclerosis Complex Research: Recommendations From the 2015 Strategic Planning Conference. <i>Pediatric Neurology</i> , 2016, 60, 1-12.	2.1	43
27	Presurgical language fMRI: Clinical practices and patient outcomes in epilepsy surgical planning. <i>Human Brain Mapping</i> , 2018, 39, 2777-2785.	3.6	41
28	Diffusion tensor imaging and related techniques in tuberous sclerosis complex: review and future directions. <i>Future Neurology</i> , 2013, 8, 583-597.	0.5	40
29	Long-term cannabidiol treatment for seizures in patients with tuberous sclerosis complex: An open-label extension trial. <i>Epilepsia</i> , 2022, 63, 426-439.	5.1	39
30	Presurgical language fMRI: Technical practices in epilepsy surgical planning. <i>Human Brain Mapping</i> , 2018, 39, 4032-4042.	3.6	38
31	The effect of everolimus on renal angiomyolipoma in pediatric patients with tuberous sclerosis being treated for subependymal giant cell astrocytoma. <i>Pediatric Nephrology</i> , 2018, 33, 101-109.	1.7	37
32	Increased electroencephalography connectivity precedes epileptic spasm onset in infants with tuberous sclerosis complex. <i>Epilepsia</i> , 2019, 60, 1721-1732.	5.1	37
33	Altered Structural Brain Networks in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2016, 26, 2046-2058.	2.9	36
34	A Mathematical Framework for the Registration and Analysis of Multi-Fascicle Models for Population Studies of the Brain Microstructure. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 504-517.	8.9	33
35	Treatment for continuous spikes and waves during sleep (<sc>CSWS</sc>): Survey on treatment choices in North <sc>A</sc>. <i>Epilepsia</i> , 2014, 55, 1099-1108.	5.1	33
36	Reproducibility of Structural and Diffusion Tensor Imaging in the TACERN Multi-Center Study. <i>Frontiers in Integrative Neuroscience</i> , 2019, 13, 24.	2.1	32

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37	Early white matter development is abnormal in tuberous sclerosis complex patients who develop autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 2019, 11, 36.	3.1	32
38	Automated quantification of spikes. <i>Epilepsy and Behavior</i> , 2013, 26, 143-152.	1.7	29
39	De novo <i>FGF12</i> mutation in 2 patients with neonatal-onset epilepsy. <i>Neurology: Genetics</i> , 2016, 2, e120.	1.9	29
40	Tubers are neither static nor discrete. <i>Neurology</i> , 2015, 85, 1536-1545.	1.1	28
41	High-dose intravenous levetiracetam for acute seizure exacerbation in children with intractable epilepsy. <i>Epilepsia</i> , 2010, 51, 1319-1322.	5.1	27
42	A structural brain network of genetic vulnerability to psychiatric illness. <i>Molecular Psychiatry</i> , 2021, 26, 2089-2100.	7.9	27
43	Short-Term Response of Sleep-Potentiated Spiking to High-Dose Diazepam in Electric Status Epilepticus During Sleep. <i>Pediatric Neurology</i> , 2012, 46, 312-318.	2.1	25
44	A Magnetic Resonance Imaging Study of Cerebellar Volume in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2013, 48, 105-110.	2.1	25
45	Corpus Callosum White Matter Diffusivity Reflects Cumulative Neurological Comorbidity in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2018, 28, 3665-3672.	2.9	25
46	High vigabatrin dosage is associated with lower risk of infantile spasms relapse among children with tuberous sclerosis complex. <i>Epilepsy Research</i> , 2018, 148, 1-7.	1.6	25
47	Vigabatrin for Epileptic Spasms and Tonic Seizures in Tuberous Sclerosis Complex. <i>Journal of Child Neurology</i> , 2018, 33, 519-524.	1.4	24
48	White matter mean diffusivity correlates with myelination in tuberous sclerosis complex. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1178-1190.	3.7	24
49	Tuber Locations Associated with Infantile Spasms Map to a Common Brain Network. <i>Annals of Neurology</i> , 2021, 89, 726-739.	5.3	24
50	Extensions to a manifold learning framework for time-series analysis on dynamic manifolds in bioelectric signals. <i>Physical Review E</i> , 2016, 93, 042218.	2.1	23
51	Recurrent <i>SLC1A2</i> variants cause epilepsy via a dominant negative mechanism. <i>Annals of Neurology</i> , 2019, 85, 921-926.	5.3	23
52	Pilot Study of Neurodevelopmental Impact of Early Epilepsy Surgery in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2020, 109, 39-46.	2.1	23
53	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. <i>PLoS ONE</i> , 2020, 15, e0232376.	2.5	23
54	Clinical value of magnetoencephalographic spike propagation represented by spatiotemporal source analysis: Correlation with surgical outcome. <i>Epilepsy Research</i> , 2014, 108, 280-288.	1.6	22

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55	Safety and retention rate of rufinamide in 300 patients: A single pediatric epilepsy center experience. <i>Epilepsia</i> , 2014, 55, 1235-1244.	5.1	21
56	Longitudinal Effects of Everolimus on White Matter Diffusion in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2019, 90, 24-30.	2.1	21
57	Good Outcome With Early Empiric Treatment of Neural Larva Migrans Due to <i>Baylisascaris procyonis</i> . <i>Pediatrics</i> , 2012, 129, e806-e811.	2.1	20
58	Reduced thalamic volume in patients with Electrical Status Epilepticus in Sleep. <i>Epilepsy Research</i> , 2017, 130, 74-80.	1.6	20
59	High-Density EEG in Current Clinical Practice and Opportunities for the Future. <i>Journal of Clinical Neurophysiology</i> , 2021, 38, 112-123.	1.7	20
60	A state-based approach to genomics for rare disease and population screening. <i>Genetics in Medicine</i> , 2021, 23, 777-781.	2.4	19
61	Patients With Electrical Status Epilepticus in Sleep Share Similar Clinical Features Regardless of Their Focal or Generalized Sleep Potentiation of Epileptiform Activity. <i>Journal of Child Neurology</i> , 2013, 28, 83-89.	1.4	18
62	Clobazam: Effect on Frequency of Seizures and Safety Profile in Different Subgroups of Children With Epilepsy. <i>Pediatric Neurology</i> , 2014, 51, 60-66.	2.1	18
63	Neurocutaneous Disorders in Children. <i>Pediatrics in Review</i> , 2017, 38, 119-128.	0.4	17
64	Detailed Magnetic Resonance Imaging (MRI) Analysis in Infantile Spasms. <i>Journal of Child Neurology</i> , 2018, 33, 405-412.	1.4	17
65	Heterozygous ANKRD17 loss-of-function variants cause a syndrome with intellectual disability, speech delay, and dysmorphism. <i>American Journal of Human Genetics</i> , 2021, 108, 1138-1150.	6.2	17
66	Spinal cord involvement in a child with raccoon roundworm ( <i>Baylisascaris procyonis</i> ) meningoencephalitis. <i>Pediatric Radiology</i> , 2012, 42, 369-373.	2.0	16
67	Improved fidelity of brain microstructure mapping from single-shell diffusion MRI. <i>Medical Image Analysis</i> , 2015, 26, 268-286.	11.6	15
68	Systemic Manifestations in Pyridox(am)ine 5-Phosphate Oxidase Deficiency. <i>Pediatric Neurology</i> , 2017, 76, 47-53.	2.1	15
69	Source imaging of seizure onset predicts surgical outcome in pediatric epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 1622-1635.	1.5	15
70	Response to clobazam in continuous spike-wave during sleep. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 283-289.	2.1	12
71	Registration and Analysis of White Matter Group Differences with a Multi-fiber Model. <i>Lecture Notes in Computer Science</i> , 2012, 15, 313-320.	1.3	12
72	The Connectivity Fingerprint of the Fusiform Gyrus Captures the Risk of Developing Autism in Infants with Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2020, 30, 2199-2214.	2.9	11

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73	Defining the phenotype of <i>FHF1</i> developmental and epileptic encephalopathy. <i>Epilepsia</i> , 2020, 61, e71-e78.	5.1	11
74	The Evolution of Subclinical Seizures in Children With Tuberous Sclerosis Complex. <i>Journal of Child Neurology</i> , 2019, 34, 770-777.	1.4	9
75	Impacting development in infants with tuberous sclerosis complex: Multidisciplinary research collaboration.. <i>American Psychologist</i> , 2019, 74, 356-367.	4.2	9
76	Localization of Sleep Spindles, K-Complexes, and Vertex Waves With Subdural Electrodes in Children. <i>Journal of Clinical Neurophysiology</i> , 2014, 31, 367-374.	1.7	8
77	Behavioral measures and EEG monitoring using the Brain Symmetry Index during the Wada test in children. <i>Epilepsy and Behavior</i> , 2012, 23, 247-253.	1.7	7
78	Comment on "Intranasal midazolam versus intravenous/rectal benzodiazepines for acute seizure control in children: A systematic review and meta-analysis" <i>Epilepsy and Behavior</i> , 2022, 128, 108550.	1.7	7
79	A pediatric epilepsy diagnostic tool for use in resource-limited settings: A pilot study. <i>Epilepsy and Behavior</i> , 2016, 59, 57-61.	1.7	6
80	Resting-state fMRI Networks in Children with Tuberous Sclerosis Complex. <i>Journal of Neuroimaging</i> , 2019, 29, 750-759.	2.0	6
81	Learning to Detect Brain Lesions from Noisy Annotations. , 2020, 2020, 1910-1914.		5
82	Convolutional neural networks to identify malformations of cortical development: A feasibility study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 91, 81-90.	2.0	5
83	Epilepsy Is Heterogeneous in Early-Life Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2021, 123, 1-9.	2.1	5
84	Rapid resolution of diffusion weighted MRI abnormality in a patient with a stuttering stroke. <i>BMJ Case Reports</i> , 2010, 2010, bcr0720092063-bcr0720092063.	0.5	5
85	SCN2A-Related Early-Onset Epileptic Encephalopathy Responsive to Phenobarbital. <i>Journal of Pediatric Epilepsy</i> , 2016, 05, 042-046.	0.2	4
86	A Fully Bayesian Inference Framework for Population Studies of the Brain Microstructure. <i>Lecture Notes in Computer Science</i> , 2014, 17, 25-32.	1.3	4
87	Multi-Resolution Graph Based Volumetric Cortical Basis Functions From Local Anatomic Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3381-3392.	4.2	3
88	Virtual implantation using conventional scalp EEG delineates seizure onset and predicts surgical outcome in children with epilepsy. <i>Clinical Neurophysiology</i> , 2022, 139, 49-57.	1.5	3
89	Event-Related Correlations in Learning Impaired Children during a Hybrid Go/No-Go Choice Reaction Visual-Motor Task. <i>Clinical EEG (electroencephalography)</i> , 2003, 34, 99-109.	0.9	2
90	Teaching Video Neuro <i>Images</i> : Nonepileptic myoclonus in a neonate following severe hypoxic-ischemic injury. <i>Neurology</i> , 2015, 84, e90.	1.1	2

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91	Technological advances in pediatric epilepsy surgery: implications for tuberous sclerosis complex. <i>Future Neurology</i> , 2017, 12, 101-115.	0.5	2
92	EEG Spectral Features in Sleep of Autism Spectrum Disorders in Children with Tuberous Sclerosis Complex. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 916-923.	2.7	2
93	Whole brain group network analysis using network bias and variance parameters. , 2012, 2012, 1511-1514.		1
94	Insult to injury: Transient encephalopathy in a brain-injured adolescent. <i>Journal of Paediatrics and Child Health</i> , 2014, 50, 411-414.	0.8	1
95	Response: Letter to the Editor –Scalp EEG spikes predict impending epilepsy in TSC infants: A longitudinal observational study. <i>Epilepsia</i> , 2020, 61, 824-824.	5.1	1
96	Hippocampal Involvement With Vigabatrin-Related MRI Signal Abnormalities in Patients With Infantile Spasms: A Novel Finding. <i>Journal of Child Neurology</i> , 2021, 36, 575-582.	1.4	1
97	Hypochondroplasia and epilepsy: the neurological spectrum of FGFR3 mutations. <i>Journal of International Child Neurology Association</i> , 0, , .	0.0	1
98	Clinical Reasoning: A 6-week-old infant with migrating focal seizures. <i>Neurology</i> , 2020, 94, 178-183.	1.1	0
99	Infantile Hemiconvulsion-Hemiplegia and Epilepsy (IHHE) in a boy with tuberous sclerosis complex. <i>Epilepsy and Behavior Reports</i> , 2021, 16, 100473.	1.0	0
100	Startle Epilepsy Triggered By Maternal Cough. <i>Neuropediatrics</i> , 2021, 52, 341-342.	0.6	0
101	MR Microscopy for 3D Identification of Cortical Tubers, White Matter –Microtubers–and Radial Migration Lines in Ex Vivo Pediatric TSC with Epilepsy. <i>FASEB Journal</i> , 2015, 29, .	0.5	0
102	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0
103	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0
104	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0
105	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0
106	Reply to –Added value of high-resolution electrical source imaging of ictal activity in children with structural focal epilepsy– <i>Clinical Neurophysiology</i> , 2022, , .	1.5	0