

Peter B Crino

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

7,932
citations

87723

38
h-index

76769

74
g-index

83
all docs

83
docs citations

83
times ranked

7646
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral expression of constitutively active AKT3 induces CST axonal sprouting and regeneration, but also promotes seizures. <i>Experimental Neurology</i> , 2022, 349, 113961.	2.0	9
2	Down-regulation of the brain-specific cell-adhesion molecule contactin-3 in tuberous sclerosis complex during the early postnatal period. <i>Journal of Neurodevelopmental Disorders</i> , 2022, 14, 8.	1.5	4
3	Abnormal activation of Yap/Taz contributes to the pathogenesis of tuberous sclerosis complex. <i>Human Molecular Genetics</i> , 2022, , .	1.4	1
4	NPRL3 loss alters neuronal morphology, mTOR localization, cortical lamination and seizure threshold. <i>Brain</i> , 2022, 145, 3872-3885.	3.7	15
5	A Patient Perspective on Seizure Detection and Forecasting. <i>Frontiers in Neurology</i> , 2022, 13, 779551.	1.1	3
6	Somatic variants in diverse genes leads to a spectrum of focal cortical malformations. <i>Brain</i> , 2022, 145, 2704-2720.	3.7	33
7	<i>STRADA</i> mutant human cortical organoids model megalencephaly and exhibit delayed neuronal differentiation. <i>Developmental Neurobiology</i> , 2021, 81, 696-709.	1.5	16
8	MicroRNA-34a activation in tuberous sclerosis complex during early brain development may lead to impaired corticogenesis. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 796-811.	1.8	5
9	Association of Epileptic and Nonepileptic Seizures and Changes in Circulating Plasma Proteins Linked to Neuroinflammation. <i>Neurology</i> , 2021, 96, e1443-e1452.	1.5	13
10	mTORopathies: A Road Well-Traveled. <i>Epilepsy Currents</i> , 2020, 20, 64S-66S.	0.4	14
11	Dynamic analysis of 4E-BP1 phosphorylation in neurons with Tsc2 or Depdc5 knockout. <i>Experimental Neurology</i> , 2020, 334, 113432.	2.0	2
12	Multimodal Analysis of STRADA Function in Brain Development. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 122.	1.8	10
13	<i>GATOR</i> opathies: The role of amino acid regulatory gene mutations in epilepsy and cortical malformations. <i>Epilepsia</i> , 2019, 60, 2163-2173.	2.6	45
14	Mechanistic target of rapamycin (mTOR) signaling in status epilepticus. <i>Epilepsy and Behavior</i> , 2019, 101, 106550.	0.9	23
15	The role of somatic mutational events in the pathogenesis of epilepsy. <i>Current Opinion in Neurology</i> , 2019, 32, 191-197.	1.8	15
16	DEPDC5 and NPRL3 modulate cell size, filopodial outgrowth, and localization of mTOR in neural progenitor cells and neurons. <i>Neurobiology of Disease</i> , 2018, 114, 184-193.	2.1	32
17	Polymicrogyria and GRIN1 mutations: altered connections, altered excitability. <i>Brain</i> , 2018, 141, 622-623.	3.7	5
18	Somatic <i>SLC35A2</i> variants in the brain are associated with intractable neocortical epilepsy. <i>Annals of Neurology</i> , 2018, 83, 1133-1146.	2.8	95

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19	Homozygous boricua <i>TBCK</i> mutation causes neurodegeneration and aberrant autophagy. <i>Annals of Neurology</i> , 2018, 83, 153-165.	2.8	32
20	Tuberous sclerosis complex. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 148, 813-822.	1.0	41
21	Genetics of tuberous sclerosis complex: implications for clinical practice. <i>The Application of Clinical Genetics</i> , 2017, Volume 10, 1-8.	1.4	94
22	Focal Cortical Dysplasia: Gene Mutations, Cell Signaling, and Therapeutic Implications. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2017, 12, 547-571.	9.6	98
23	Coding and small non-coding transcriptional landscape of tuberous sclerosis complex cortical tubers: implications for pathophysiology and treatment. <i>Scientific Reports</i> , 2017, 7, 8089.	1.6	47
24	Somatic uniparental disomy of Chromosome 16p in hemimegalencephaly. <i>Journal of Physical Education and Sports Management</i> , 2017, 3, a001735.	0.5	9
25	Dysregulation of PINCH signaling in mesial temporal epilepsy. <i>Journal of Clinical Neuroscience</i> , 2017, 36, 43-52.	0.8	15
26	Sending Mixed Signals: The Expanding Role of Molecular Cascade Mutations in Malformations of Cortical Development and Epilepsy. <i>Epilepsy Currents</i> , 2016, 16, 158-163.	0.4	5
27	Mutations in <i>TBCK</i> , Encoding TBC1-Domain-Containing Kinase, Lead to a Recognizable Syndrome of Intellectual Disability and Hypotonia. <i>American Journal of Human Genetics</i> , 2016, 98, 782-788.	2.6	50
28	Familial cortical dysplasia caused by mutation in the mammalian target of rapamycin regulator <i>NPRL3</i> . <i>Annals of Neurology</i> , 2016, 79, 132-137.	2.8	116
29	The mTOR signalling cascade: paving new roads to cure neurological disease. <i>Nature Reviews Neurology</i> , 2016, 12, 379-392.	4.9	283
30	mTOR pathway inhibition prevents neuroinflammation and neuronal death in a mouse model of cerebral palsy. <i>Neurobiology of Disease</i> , 2016, 85, 144-154.	2.1	63
31	Novel Histopathological Patterns in Cortical Tubers of Epilepsy Surgery Patients with Tuberous Sclerosis Complex. <i>PLoS ONE</i> , 2016, 11, e0157396.	1.1	69
32	Familial cortical dysplasia type <i>IIA</i> caused by a germline mutation in <i>DEPDC5</i> . <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 575-580.	1.7	95
33	Impaired Reelin-Dab1 Signaling Contributes to Neuronal Migration Deficits of Tuberous Sclerosis Complex. <i>Cell Reports</i> , 2015, 12, 965-978.	2.9	49
34	The enlarging spectrum of focal cortical dysplasias: Figure 1. <i>Brain</i> , 2015, 138, 1446-1448.	3.7	6
35	Recessive nephrocerebellar syndrome on the Galloway-Mowat syndrome spectrum is caused by homozygous protein-truncating mutations of <i>WDR73</i> . <i>Brain</i> , 2015, 138, 2173-2190.	3.7	60
36	mTOR Signaling in Epilepsy: Insights from Malformations of Cortical Development. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a022442-a022442.	2.9	127

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37	Focal Cortical Dysplasia. <i>Seminars in Neurology</i> , 2015, 35, 201-208.	0.5	57
38	Fetal Brain mTOR Signaling Activation in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2014, 24, 315-327.	1.6	92
39	Evolving neurobiology of tuberous sclerosis complex. <i>Acta Neuropathologica</i> , 2013, 125, 317-332.	3.9	125
40	Tuberous Sclerosis Complex Diagnostic Criteria Update: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013, 49, 243-254.	1.0	1,185
41	Tuberous Sclerosis Complex Surveillance and Management: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013, 49, 255-265.	1.0	693
42	Fetal Brain Lesions in Tuberous Sclerosis Complex: <scp>TORC1</scp> Activation and Inflammation. <i>Brain Pathology</i> , 2013, 23, 45-59.	2.1	123
43	Rapamycin Prevents Seizures After Depletion of STRADA in a Rare Neurodevelopmental Disorder. <i>Science Translational Medicine</i> , 2013, 5, 182ra53.	5.8	99
44	mTOR: A pathogenic signaling pathway in developmental brain malformations. <i>Trends in Molecular Medicine</i> , 2011, 17, 734-742.	3.5	224
45	Gene Expression Analysis of Tuberous Sclerosis Complex Cortical Tubers Reveals Increased Expression of Adhesion and Inflammatory Factors. <i>Brain Pathology</i> , 2010, 20, 704-719.	2.1	132
46	The pathophysiology of tuberous sclerosis complex. <i>Epilepsia</i> , 2010, 51, 27-29.	2.6	23
47	mTOR and epileptogenesis in developmental brain malformations. <i>Epilepsia</i> , 2010, 51, 72-72.	2.6	7
48	The tuberous sclerosis complex. <i>Annals of the New York Academy of Sciences</i> , 2010, 1184, 87-105.	1.8	344
49	Biallelic <i>TSC</i> gene inactivation in tuberous sclerosis complex. <i>Neurology</i> , 2010, 74, 1716-1723.	1.5	134
50	STRAD1± deficiency results in aberrant mTORC1 signaling during corticogenesis in humans and mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1591-1602.	3.9	96
51	Focal brain malformations: Seizures, signaling, sequencing. <i>Epilepsia</i> , 2009, 50, 3-8.	2.6	74
52	Do We Have a Cure for Tuberous Sclerosis Complex?. <i>Epilepsy Currents</i> , 2008, 8, 159-162.	0.4	10
53	Polyhydramnios, megalencephaly and symptomatic epilepsy caused by a homozygous 7-kilobase deletion in LYK5. <i>Brain</i> , 2007, 130, 1929-1941.	3.7	105
54	Effects of rapamycin on gene expression, morphology, and electrophysiological properties of rat hippocampal neurons. <i>Epilepsy Research</i> , 2007, 77, 85-92.	0.8	55

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55	Gene Expression, Genetics, and Genomics in Epilepsy: Some Answers, More Questions. <i>Epilepsia</i> , 2007, 48, 42-50.	2.6	28
56	Co-expression of cyclin D1 and phosphorylated ribosomal S6 proteins in hemimegalencephaly. <i>Acta Neuropathologica</i> , 2007, 114, 287-293.	3.9	54
57	Focal Brain Malformations: A Spectrum of Disorders along the mTOR Cascade. Novartis Foundation Symposium, 2007, 288, 260-275.	1.2	58
58	The Tuberous Sclerosis Complex. <i>New England Journal of Medicine</i> , 2006, 355, 1345-1356.	13.9	1,570
59	Gene Profiling in Temporal Lobe Epilepsy Tissue and Dysplastic Lesions. <i>Epilepsia</i> , 2006, 47, 1608-1616.	2.6	12
60	Molecular Pathogenesis of Focal Cortical Dysplasia and Hemimegalencephaly. <i>Journal of Child Neurology</i> , 2005, 20, 330-336.	0.7	69
61	Targeted Gene Expression Analysis in Hemimegalencephaly: Activation of β -Catenin Signaling. <i>Brain Pathology</i> , 2005, 15, 179-186.	2.1	29
62	Molecular Pathogenesis of Tuber Formation in Tuberous Sclerosis Complex. <i>Journal of Child Neurology</i> , 2004, 19, 716-725.	0.7	86
63	mTOR cascade activation distinguishes tubers from focal cortical dysplasia. <i>Annals of Neurology</i> , 2004, 56, 478-487.	2.8	238
64	Magnetic resonance imaging of the cauda equina in chronic inflammatory demyelination polyneuropathy. <i>Annals of Neurology</i> , 2004, 33, 311-313.	2.8	43
65	Malformations of Cortical Development: Molecular Pathogenesis and Experimental Strategies. <i>Advances in Experimental Medicine and Biology</i> , 2004, 548, 175-191.	0.8	18
66	Knockout of a Tuberous Sclerosis Gene Highlights Role of Glia in Epileptogenesis. <i>Epilepsy Currents</i> , 2003, 3, 139-141.	0.4	3
67	Expression of ICAM-1, TNF- α , NF- κ B, and MAP kinase in tubers of the tuberous sclerosis complex. <i>Neurobiology of Disease</i> , 2003, 14, 279-290.	2.1	134
68	Gene expression analysis as a strategy to understand the molecular pathogenesis of infantile spasms. <i>International Review of Neurobiology</i> , 2002, 49, 367-389.	0.9	5
69	Increased Expression of the Neuronal Glutamate Transporter (EAAT3/EAAC1) in Hippocampal and Neocortical Epilepsy. <i>Epilepsia</i> , 2002, 43, 211-218.	2.6	131
70	Neurodevelopmental Disorders as a Cause of Seizures: Neuropathologic, Genetic, and Mechanistic Considerations. <i>Brain Pathology</i> , 2002, 12, 212-233.	2.1	105
71	Transcription of intermediate filament genes is enhanced in focal cortical dysplasia. <i>Acta Neuropathologica</i> , 2001, 102, 141-148.	3.9	29
72	Epilepsy and cortical dysplasias. <i>Current Treatment Options in Neurology</i> , 2000, 2, 543-551.	0.7	21

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73	Analysis of mRNA Populations from Single Live and Fixed Cells of the Central Nervous System. Current Protocols in Neuroscience, 1997, 00, 5.3.1-5.3.15.	2.6	14
74	Internexin, MAP1B, and nestin in cortical dysplasia as markers of developmental maturity. Acta Neuropathologica, 1997, 93, 619-627.	3.9	83
75	BK channel properties correlate with neurobehavioral severity in three KCNMA1-linked channelopathy mouse models. ELife, 0, 11, .	2.8	17