Joel C Watts

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3642732/publications.pdf

Version: 2024-02-01

63	4,394	147566	149479
papers	citations	31 h-index	56 g-index

65	65	65	4381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for Î±-synuclein prions causing multiple system atrophy in humans with parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5308-17.	3.3	578
2	Transmission of multiple system atrophy prions to transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19555-19560.	3.3	359
3	Purified and synthetic Alzheimerâ€™s amyloid beta (AÎ²) prions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11025-11030.	3.3	327
4	Serial propagation of distinct strains of AÎ² prions from Alzheimerâ€™s disease patients. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10323-10328.	3.3	247
5	Î±-Synuclein strains target distinct brain regions and cell types. Nature Neuroscience, 2020, 23, 21-31.	7.1	195
6	Propagation of prions causing synucleinopathies in cultured cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4949-58.	3.3	191
7	The in Vivo Brain Interactome of the Amyloid Precursor Protein. Molecular and Cellular Proteomics, 2008, 7, 15-34.	2.5	143
8	Distinct synthetic AÎ² prion strains producing different amyloid deposits in bigenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10329-10334.	3.3	140
9	Drug resistance confounding prion therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4160-9.	3.3	120
10	Î±-Synuclein-Based Animal Models of Parkinson's Disease: Challenges and Opportunities in a New Era. Trends in Neurosciences, 2016, 39, 750-762.	4.2	120
11	The Expanding Universe of Prion Diseases. PLoS Pathogens, 2006, 2, e26.	2.1	115
12	The CNS glycoprotein Shadoo has PrPC-like protective properties and displays reduced levels in prion infections. EMBO Journal, 2007, 26, 4038-4050.	3.5	114
13	Bioluminescence imaging of AÎ² deposition in bigenic mouse models of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2528-2533.	3.3	109
14	Interactome Analyses Identify Ties of PrPC and Its Mammalian Paralogs to Oligomannosidic N-Glycans and Endoplasmic Reticulum-Derived Chaperones. PLoS Pathogens, 2009, 5, e1000608.	2.1	108
15	Evolutionary Descent of Prion Genes from the ZIP Family of Metal Ion Transporters. PLoS ONE, 2009, 4, e7208.	1.1	108
16	Structural heterogeneity and intersubject variability of AÎ² in familial and sporadic Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E782-E791.	3.3	105
17	The prion protein family: Diversity, rivalry, and dysfunction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 654-672.	1.8	102
18	Evidence That Bank Vole PrP Is a Universal Acceptor for Prions. PLoS Pathogens, 2014, 10, e1003990.	2.1	92

#	Article	IF	Citations
19	Mouse Models for Studying the Formation and Propagation of Prions. Journal of Biological Chemistry, 2014, 289, 19841-19849.	1.6	83
20	The function of the cellular prion protein in health and disease. Acta Neuropathologica, 2018, 135, 159-178.	3.9	72
21	Spontaneous generation of anchorless prions in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21223-21228.	3.3	68
22	Spontaneous generation of rapidly transmissible prions in transgenic mice expressing wild-type bank vole prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3498-3503.	3.3	65
23	Î²-Amyloid Prions and the Pathobiology of Alzheimerâ€™s Disease. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a023507.	2.9	64
24	Î±-Synuclein: Multiple System Atrophy Prions. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a024588.	2.9	64
25	Genetic Mapping of Activity Determinants within Cellular Prion Proteins. Journal of Biological Chemistry, 2004, 279, 55443-55454.	1.6	55
26	Conformational Transformation and Selection of Synthetic Prion Strains. Journal of Molecular Biology, 2011, 413, 527-542.	2.0	49
27	Alpha-synuclein seeding shows a wide heterogeneity in multiple system atrophy. Translational Neurodegeneration, 2022, 11, 7.	3.6	42
28	Prion-like propagation of Î²-amyloid aggregates in the absence of APP overexpression. Acta Neuropathologica Communications, 2018, 6, 26.	2.4	41
29	Towards authentic transgenic mouse models of heritable PrP prion diseases. Acta Neuropathologica, 2016, 132, 593-610.	3.9	40
30	Protease-Resistant Prions Selectively Decrease Shadoo Protein. PLoS Pathogens, 2011, 7, e1002382.	2.1	39
31	Somatostatin binds to the human amyloid Î² peptide and favors the formation of distinct oligomers. ELife, 2017, 6, .	2.8	37
32	The existence of AÎ² strains and their potential for driving phenotypic heterogeneity in Alzheimerâ€™s disease. Acta Neuropathologica, 2021, 142, 17-39.	3.9	35
33	Family reunion â€“ The ZIP/prion gene family. Progress in Neurobiology, 2011, 93, 405-420.	2.8	33
34	Full restoration of specific infectivity and strain properties from pure mammalian prion protein. PLoS Pathogens, 2019, 15, e1007662.	2.1	30
35	Cellular models for discovering prion disease therapeutics: Progress and challenges. Journal of Neurochemistry, 2020, 153, 150-172.	2.1	28
36	Wildâ€type Shadoo proteins convert to amyloidâ€like forms under native conditions. Journal of Neurochemistry, 2010, 113, 92-104.	2.1	27

#	Article	IF	Citations
37	Experimental Models of Inherited PrP Prion Diseases. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a027151.	2.9	27
38	The Prion Protein Modulates A-type K+ Currents Mediated by Kv4.2 Complexes through Dipeptidyl Aminopeptidase-like Protein 6. Journal of Biological Chemistry, 2013, 288, 37241-37255.	1.6	25
39	Endoproteolytic processing of the mammalian prion glycoprotein family. FEBS Journal, 2014, 281, 862-876.	2.2	25
40	Structural Studies of Truncated Forms of the Prion Protein PrP. Biophysical Journal, 2015, 108, 1548-1554.	0.2	25
41	Modulation of <scp>C</scp>reutzfeldtâ€<scp>J</scp>akob disease prion propagation by the <scp>A</scp>224<scp>V</scp> mutation. Annals of Neurology, 2015, 78, 540-553.	2.8	18
42	Engineering a murine cell line for the stable propagation of hamster prions. Journal of Biological Chemistry, 2019, 294, 4911-4923.	1.6	17
43	The prion protein is embedded in a molecular environment that modulates transforming growth factor Î² and integrin signaling. Scientific Reports, 2018, 8, 8654.	1.6	14
44	Calling Î±-synuclein a prion is scientifically justifiable. Acta Neuropathologica, 2019, 138, 505-508.	3.9	14
45	AÎ²43 aggregates exhibit enhanced prion-like seeding activity in mice. Acta Neuropathologica Communications, 2021, 9, 83.	2.4	14
46	Sensitive protein misfolding cyclic amplification of sporadic Creutzfeldtâ€“Jakob disease prions is strongly seed and substrate dependent. Scientific Reports, 2021, 11, 4058.	1.6	10
47	Identification of a homology-independent linchpin domain controlling mouse and bank vole prion protein conversion. PLoS Pathogens, 2020, 16, e1008875.	2.1	9
48	The utility of bank voles for studying prion disease. Progress in Molecular Biology and Translational Science, 2020, 175, 179-211.	0.9	8
49	Strains of Pathological Protein Aggregates in Neurodegenerative Diseases. Discoveries, 2017, 5, e78.	1.5	8
50	The cellular prion protein interacts with and promotes the activity of Na,K-ATPases. PLoS ONE, 2021, 16, e0258682.	1.1	8
51	The aminoglycoside G418 hinders de novo prion infection in cultured cells. Journal of Biological Chemistry, 2021, 297, 101073.	1.6	7
52	Discriminating Strains of Self-Propagating Protein Aggregates Using a Conformational Stability Assay. Methods in Molecular Biology, 2018, 1777, 339-354.	0.4	5
53	Viral alpha-synuclein knockdown prevents spreading synucleinopathy. Brain Communications, 2021, 3, fcab247.	1.5	5
54	Guinea Pig Prion Protein Supports Rapid Propagation of Bovine Spongiform Encephalopathy and Variant Creutzfeldt-Jakob Disease Prions. Journal of Virology, 2016, 90, 9558-9569.	1.5	3

#	Article	IF	Citations
55	Genetically engineered cellular models of prion propagation. Cell and Tissue Research, 2023, 392, 63-80.	1.5	3
56	Evolutionary descent of prion genes from a ZIP metal ion transport ancestor. Nature Precedings, 2009, , .	0.1	2
57	The Biology and Pathobiology of Î±-Synuclein. , 2017, , 109-130.		1
58	Title is missing!. , 2020, 16, e1008875.		0
59	Title is missing!. , 2020, 16, e1008875.		0
60	Title is missing!. , 2020, 16, e1008875.		0
61	Title is missing!. , 2020, 16, e1008875.		0
62	Title is missing!. , 2020, 16, e1008875.		0
63	Title is missing!. , 2020, 16, e1008875.		0