Jonathan D F Wadsworth

List of Publications by Year
in descending order

68 papers	5,135 citations	101543 36 h-index	98798 67 g-index
71 all docs	71 docs citations	71 times ranked	3383 citing authors

#	Article	IF	Citations
1	Evidence for human transmission of amyloid-Î² pathology and cerebral amyloid angiopathy. Nature, 2015, 525, 247-250.	27.8	418
2	Clinical presentation and pre-mortem diagnosis of variant Creutzfeldt-Jakob disease associated with blood transfusion: a case report. Lancet, The, 2006, 368, 2061-2067.	13.7	374
3	BSE prions propagate as either variant CJD-like or sporadic CJD-like prion strains in transgenic mice expressing human prion protein. EMBO Journal, 2002, 21, 6358-6366.	7.8	317
4	Molecular classification of sporadic Creutzfeldtâ€“Jakob disease. Brain, 2003, 126, 1333-1346.	7.6	301
5	Strain-specific prion-protein conformation determined by metal ions. Nature Cell Biology, 1999, 1, 55-59.	10.3	285
6	Human Prion Protein with Valine 129 Prevents Expression of Variant CJD Phenotype. Science, 2004, 306, 1793-1796.	12.6	246
7	A naturally occurring variant of the human prion protein completely prevents prion disease. Nature, 2015, 522, 478-481.	27.8	144
8	Variant Creutzfeldtâ€“Jakob Disease in a Patient with Heterozygosity at PRNP Codon 129. New England Journal of Medicine, 2017, 376, 292-294.	27.0	127
9	Prion neuropathology follows the accumulation of alternate prion protein isoforms after infective titre has peaked. Nature Communications, 2014, 5, 4347.	12.8	126
10	Disease-related Prion Protein Forms Aggresomes in Neuronal Cells Leading to Caspase Activation and Apoptosis*. Journal of Biological Chemistry, 2005, 280, 38851-38861.	3.4	123
11	Detection and characterization of proteinase K-sensitive disease-related prion protein with thermolysin. Biochemical Journal, 2008, 416, 297-305.	3.7	118
12	A Novel Prion Disease Associated with Diarrhea and Autonomic Neuropathy. New England Journal of Medicine, 2013, 369, 1904-1914.	27.0	113
13	Amyloid-Î² nanotubes are associated with prion protein-dependent synaptotoxicity. Nature Communications, 2013, 4, 2416.	12.8	112
14	Molecular and clinical classification of human prion disease. British Medical Bulletin, 2003, 66, 241-254.	6.9	110
15	Chronic wasting disease prions are not transmissible to transgenic mice overexpressing human prion protein. Journal of General Virology, 2010, 91, 2651-2657.	2.9	106
16	Inherited prion disease with six octapeptide repeat insertional mutation--molecular analysis of phenotypic heterogeneity. Brain, 2006, 129, 2297-2317.	7.6	103
17	Distinct glycoform ratios of protease resistant prion protein associated with PRNP point mutations. Brain, 2006, 129, 676-685.	7.6	93
18	Tamapin, a Venom Peptide from the Indian Red Scorpion (Mesobuthus tamulus) That Targets Small Conductance Ca2+-activated K+ Channels and Afterhyperpolarization Currents in Central Neurons. Journal of Biological Chemistry, 2002, 277, 46101-46109.	3.4	92

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19	Update on human prion disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 598-609.	3.8	92
20	Iatrogenic CJD due to pituitary-derived growth hormone with genetically determined incubation times of up to 40 years. Brain, 2015, 138, 3386-3399.	7.6	92
21	Phenotypic heterogeneity in inherited prion disease (P102L) is associated with differential propagation of protease-resistant wild-type and mutant prion protein. Brain, 2006, 129, 1557-1569.	7.6	91
22	Molecular pathology of human prion disease. Acta Neuropathologica, 2011, 121, 69-77.	7.7	90
23	Involvement of the constituent chains of botulinum neurotoxins A and B in the blockade of neurotransmitter release. FEBS Journal, 1988, 177, 683-691.	0.2	75
24	Dissociation of pathological and molecular phenotype of variant Creutzfeldt-Jakob disease in transgenic human prion protein 129 heterozygous mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10759-10764.	7.1	68
25	Analysis of 2000 consecutive UK tonsillectomy specimens for disease-related prion protein. Lancet, The, 2004, 364, 1260-1262.	13.7	67
26	2.7â€‰Ã… cryo-EM structure of ex vivo RML prion fibrils. Nature Communications, 2022, 13, .	12.8	66
27	Kuru prions and sporadic Creutzfeldtâ€“Jakob disease prions have equivalent transmission properties in transgenic and wild-type mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3885-3890.	7.1	62
28	Absence of spontaneous disease and comparative prion susceptibility of transgenic mice expressing mutant human prion proteins. Journal of General Virology, 2009, 90, 546-558.	2.9	58
29	Ex vivo mammalian prions are formed of paired double helical prion protein fibrils. Open Biology, 2016, 6, 160035.	3.6	55
30	A novel and rapid method for obtaining high titre intact prion strains from mammalian brain. Scientific Reports, 2015, 5, 10062.	3.3	51
31	Central and peripheral pathology of kuru: pathological analysis of a recent case and comparison with other forms of human prion disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3755-3763.	4.0	47
32	Inherited Prion Disease A117V Is Not Simply a Proteinopathy but Produces Prions Transmissible to Transgenic Mice Expressing Homologous Prion Protein. PLoS Pathogens, 2013, 9, e1003643.	4.7	46
33	Characterization of two distinct prion strains derived from bovine spongiform encephalopathy transmissions to inbred mice. Journal of General Virology, 2004, 85, 2471-2478.	2.9	45
34	Clinical Trial Simulations Based on Genetic Stratification and the Natural History of a Functional Outcome Measure in Creutzfeldt-Jakob Disease. JAMA Neurology, 2016, 73, 447.	9.0	41
35	Spontaneous generation of mammalian prions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14402-14406.	7.1	40
36	The origin of the prion agent of kuru: molecular and biological strain typing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3747-3753.	4.0	39

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37	A systematic investigation of production of synthetic prions from recombinant prion protein. Open Biology, 2015, 5, 150165.	3.6	39
38	Molecular Diagnosis of Human Prion Disease. Methods in Molecular Biology, 2008, 459, 197-227.	0.9	38
39	Structural features distinguishing infectious ex vivo mammalian prions from non-infectious fibrillar assemblies generated in vitro. Scientific Reports, 2019, 9, 376.	3.3	37
40	Molecular biology of prion propagation. Current Opinion in Genetics and Development, 1999, 9, 338-345.	3.3	36
41	Isolation of Proteinase K-Sensitive Prions Using Pronase E and Phosphotungstic Acid. PLoS ONE, 2010, 5, e15679.	2.5	34
42	Inhibition of transmitter release by botulinum neurotoxin A. Contribution of various fragments to the intoxication process. FEBS Journal, 1989, 185, 197-203.	0.2	30
43	Creutzfeldt-Jakob Disease, Prion Protein Gene Codon 129VV, and a Novel PrPSc Type in a Young British Woman. Archives of Neurology, 2007, 64, 1780.	4.5	30
44	Evaluation of plasma tau and neurofilament light chain biomarkers in a 12-year clinical cohort of human prion diseases. Molecular Psychiatry, 2021, 26, 5955-5966.	7.9	30
45	Inherited prion disease with 4-octapeptide repeat insertion: disease requires the interaction of multiple genetic risk factors. Brain, 2011, 134, 1829-1838.	7.6	29
46	Recent Advances in Understanding Mammalian Prion Structure: A Mini Review. Frontiers in Molecular Neuroscience, 2019, 12, 169.	2.9	29
47	Atypical Scrapie Prions from Sheep and Lack of Disease in Transgenic Mice Overexpressing Human Prion Protein. Emerging Infectious Diseases, 2013, 19, 1731-1739.	4.3	27
48	Transmission Properties of Human PrP 102L Prions Challenge the Relevance of Mouse Models of GSS. PLoS Pathogens, 2015, 11, e1004953.	4.7	27
49	Identification and characterization of a novel mouse prion gene allele. Mammalian Genome, 2004, 15, 383-389.	2.2	26
50	Highly infectious prions are not directly neurotoxic. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23815-23822.	7.1	25
51	Humanized Transgenic Mice Are Resistant to Chronic Wasting Disease Prions From Norwegian Reindeer and Moose. Journal of Infectious Diseases, 2022, 226, 933-937.	4.0	25
52	A Novel Small Conductance Ca2+-activated K+ Channel Blocker from Oxyuranus scutellatusTaipan Venom. Journal of Biological Chemistry, 1997, 272, 19925-19930.	3.4	22
53	Effect of fixation on brain and lymphoreticular vCJD prions and bioassay of key positive specimens from a retrospective vCJD prevalence study. Journal of Pathology, 2011, 223, 511-518.	4.5	22
54	Heterozygosity at Polymorphic Codon 219 in Variant Creutzfeldt-Jakob Disease. Archives of Neurology, 2010, 67, 1021-3.	4.5	19

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55	Structural Diversity among Subtypes of Small-Conductance Ca2+-Activated Potassium Channels. Archives of Biochemistry and Biophysics, 1997, 346, 151-160.	3.0	18
56	Variant Creutzfeldt-Jakob Disease With Extremely Low Lymphoreticular Deposition of Prion Protein. JAMA Neurology, 2014, 71, 340.	9.0	17
57	Methods for Molecular Diagnosis of Human Prion Disease. Methods in Molecular Biology, 2017, 1658, 311-346.	0.9	17
58	Photolabile Derivatives of 125I-Apamin:â€‰ Defining the Structural Criteria Required for Labeling High and Low Molecular Mass Polypeptides Associated with Small Conductance Ca2+-Activated K+ Channels. Biochemistry, 1996, 35, 7917-7927.	2.5	16
59	Spectroscopic characterization of a high-potential monohaem cytochrome from Wolinella succinogenes, a nitrate-respiring organism. Redox and spin equilibria studies. FEBS Journal, 1988, 177, 673-682.	0.2	14
60	Spontaneous generation of prions and transmissible PrP amyloid in a humanised transgenic mouse model of A117V GSS. PLoS Biology, 2020, 18, e3000725.	5.6	13
61	First Report of Creutzfeldt-Jakob Disease Occurring in 2 Siblings Unexplained byPRNPMutation. Journal of Neuropathology and Experimental Neurology, 2008, 67, 838-841.	1.7	11
62	Soluble AÎ² aggregates can inhibit prion propagation. Open Biology, 2017, 7, 170158.	3.6	11
63	Evaluating the causality of novel sequence variants in the prion protein gene by example. Neurobiology of Aging, 2018, 71, 265.e1-265.e7.	3.1	9
64	Experimental sheep BSE prions generate the vCJD phenotype when serially passaged in transgenic mice expressing human prion protein. Journal of the Neurological Sciences, 2018, 386, 4-11.	0.6	6
65	Roles of the constituent chains of botulinum neurotoxin type A in the blockade of neuromuscular transmission in mice. Biochemical Society Transactions, 1988, 16, 886-887.	3.4	3
66	Molecular Basis of Prion Diseases. , 2012, , 872-885.		3
67	Physical, chemical and kinetic factors affecting prion infectivity. Prion, 2016, 10, 251-261.	1.8	2
68	Prions of Vertebrates. , 2021, , 707-713.		0