Rona M Barron

List of Publications by Year
in descending order

29 papers	1,123 citations	471509 17 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	907 citing authors

#	Article	IF	Citations
1	Accumulation of prion protein in the brain that is not associated with transmissible disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4712-4717.	7.1	166
2	High Titers of Transmissible Spongiform Encephalopathy Infectivity Associated with Extremely Low Levels of PrPSc in Vivo. Journal of Biological Chemistry, 2007, 282, 35878-35886.	3.4	150
3	Changing a single amino acid in the N-terminus of murine PrP alters TSE incubation time across three species barriers. EMBO Journal, 2001, 20, 5070-5078.	7.8	117
4	Host PrP Glycosylation: A Major Factor Determining the Outcome of Prion Infection. PLoS Biology, 2008, 6, e100.	5.6	91
5	Chronic wasting disease and atypical forms of bovine spongiform encephalopathy and scrapie are not transmissible to mice expressing wild-type levels of human prion protein. Journal of General Virology, 2012, 93, 1624-1629.	2.9	78
6	Increased Susceptibility of Human-PrP Transgenic Mice to Bovine Spongiform Encephalopathy Infection following Passage in Sheep. Journal of Virology, 2011, 85, 1174-1181.	3.4	53
7	Prion Seeding Activities of Mouse Scrapie Strains with Divergent PrPSc Protease Sensitivities and Amyloid Plaque Content Using RT-QuIC and eQuIC. PLoS ONE, 2012, 7, e48969.	2.5	51
8	Glycosylation of PrP ^C Determines Timing of Neuroinvasion and Targeting in the Brain following Transmissible Spongiform Encephalopathy Infection by a Peripheral Route. Journal of Virology, 2010, 84, 3464-3475.	3.4	50
9	Molecular Barriers to Zoonotic Transmission of Prions. Emerging Infectious Diseases, 2014, 20, 88-97.	4.3	50
10	Molecular Model of Prion Transmission to Humans. Emerging Infectious Diseases, 2009, 15, 2013-2016.	4.3	31
11	Transmission of murine scrapie to P101L transgenic mice. Journal of General Virology, 2003, 84, 3165-3172.	2.9	30
12	PrP aggregation can be seeded by pre-formed recombinant PrP amyloid fibrils without the replication of infectious prions. Acta Neuropathologica, 2016, 132, 611-624.	7.7	30
13	Polymorphisms at codons 108 and 189 in murine PrP play distinct roles in the control of scrapie incubation time. Journal of General Virology, 2005, 86, 859-868.	2.9	23
14	Dissociation of Prion Protein Amyloid Seeding from Transmission of a Spongiform Encephalopathy. Journal of Virology, 2013, 87, 12349-12356.	3.4	23
15	Insights into Mechanisms of Chronic Neurodegeneration. International Journal of Molecular Sciences, 2016, 17, 82.	4.1	23
16	The role of host PrP in Transmissible Spongiform Encephalopathies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 673-680.	3.8	22
17	Mechanism of PrPâ€Amyloid Formation in Mice Without Transmissible Spongiform Encephalopathy. Brain Pathology, 2012, 22, 58-66.	4.1	19
18	Bovine PrP expression levels in transgenic mice influence transmission characteristics of atypical bovine spongiform encephalopathy. Journal of General Virology, 2012, 93, 1132-1140.	2.9	15

#	Article	IF	Citations
19	A gene-targeted mouse model of P102L Gerstmann-StrÃussler-Scheinker syndrome. Clinics in Laboratory Medicine, 2003, 23, 161-173.	1.4	14
20	Presence of subclinical infection in gene-targeted human prion protein transgenic mice exposed to atypical bovine spongiform encephalopathy. Journal of General Virology, 2013, 94, 2819-2827.	2.9	13
21	The Human Urinary Proteome Fingerprint Database UPdb. International Journal of Proteomics, 2013, 2013, 1-7.	2.0	12
22	Dissociation between Transmissible Spongiform Encephalopathy (TSE) Infectivity and Proteinase K-Resistant PrPSc Levels in Peripheral Tissue from a Murine Transgenic Model of TSE Disease. Journal of Virology, 2013, 87, 5895-5903.	3.4	11
23	Quantitative imaging of tissue sections using infraredÂscanning technology. Journal of Anatomy, 2016, 228, 203-213.	1.5	10
24	Increased susceptibility of transgenic mice expressing human PrP to experimental sheep bovine spongiform encephalopathy is not due to increased agent titre in sheep brain tissue. Journal of General Virology, 2014, 95, 1855-1859.	2.9	10
25	Differential protein profiling as a potential multi-marker approach for TSE diagnosis. BMC Infectious Diseases, 2009, 9, 188.	2.9	9
26	Variable tau accumulation in murine models with abnormal prion protein deposits. Journal of the Neurological Sciences, 2017, 383, 142-150.	0.6	9
27	Characterization of an unusual transmissible spongiform encephalopathy in goat by transmission in knock-in transgenic mice. Journal of General Virology, 2013, 94, 1922-1932.	2.9	6
28	Infectious prions and proteinopathies. Prion, 2017, 11, 40-47.	1.8	6
29	Differential protein expression profiling in BSE disease. Archives of Physiology and Biochemistry, 2010, 116, 233-243.	2.1	1