Mark D Zabel

List of Publications by Citations

39 papers	1,229 citations	19 h-index	35 g-index
41 ext. papers	1,371 ext. citations	4.9 avg, IF	4.04 L-index

#	Paper	IF	Citations
39	Detection of CWD prions in urine and saliva of deer by transgenic mouse bioassay. *PLoS ONE*, **2009**, 4, e4848	3.7	170
38	Complement receptors CD21/35 link innate and protective immunity during Streptococcus pneumoniae infection by regulating IgG3 antibody responses. *Immunity*, **2002**, 17, 713-23	32.3	129
37	Detection of protease-resistant cervid prion protein in water from a CWD-endemic area. *Prion*, **2009**, 3, 171-83	2.3	79
36	Efficient in vitro amplification of chronic wasting disease PrPRES. *Journal of Virology*, **2007**, 81, 9605-8	6.6	79
35	Liposome-siRNA-peptide complexes cross the blood-brain barrier and significantly decrease PrP on neuronal cells and PrP in infected cell cultures. *PLoS ONE*, **2010**, 5, e11085	3.7	68
34	Trans-species amplification of PrP(CWD) and correlation with rigid loop 170N. *Virology*, **2009**, 387, 235-43	3.6	67
33	In vitro strain adaptation of CWD prions by serial protein misfolding cyclic amplification. *Virology*, **2008**, 382, 267-76	3.6	62
32	Stromal complement receptor CD21/35 facilitates lymphoid prion colonization and pathogenesis. *Journal of Immunology*, **2007**, 179, 6144-52	5.3	59
31	Detection of PrPCWD in feces from naturally exposed Rocky Mountain elk (Cervus elaphus nelsoni) using protein misfolding cyclic amplification. *Journal of Wildlife Diseases*, **2012**, 48, 425-34	1.3	53
30	Amyloid-β and proinflammatory cytokines utilize a prion protein-dependent pathway to activate NADPH oxidase and induce cofilin-actin rods in hippocampal neurons. *PLoS ONE*, **2014**, 9, e95995	3.7	45
29	Pathways of Prion Spread during Early Chronic Wasting Disease in Deer. *Journal of Virology*, **2017**, 91,	6.6	42
28	Chronic Wasting Disease in Cervids: Implications for Prion Transmission to Humans and Other Animal Species. *MBio*, **2019**, 10,	7.8	36
27	A brief history of prions. *Pathogens and Disease*, **2015**, 73, ftv087	4.2	33
26	Incunabular immunological events in prion trafficking. *Scientific Reports*, **2012**, 2, 440	4.9	31
25	Intranasal inoculation of white-tailed deer (Odocoileus virginianus) with lyophilized chronic wasting disease prion particulate complexed to montmorillonite clay. *PLoS ONE*, **2013**, 8, e62455	3.7	31
24	Genetic depletion of complement receptors CD21/35 prevents terminal prion disease in a mouse model of chronic wasting disease. *Journal of Immunology*, **2012**, 189, 4520-7	5.3	27
23	Sensitivity of protein misfolding cyclic amplification versus immunohistochemistry in ante-mortem detection of chronic wasting disease. *Journal of General Virology*, **2012**, 93, 1141-1150	4.9	24

22	Detection and Quantification of CWD Prions in Fixed Paraffin Embedded Tissues by Real-Time Quaking-Induced Conversion. *Scientific Reports*, **2016**, 6, 25098	4.9	22
21	Endogenous Brain Lipids Inhibit Prion Amyloid Formation. *Journal of Virology*, **2017**, 91,	6.6	19
20	Complement protein C3 exacerbates prion disease in a mouse model of chronic wasting disease. *International Immunology*, **2013**, 25, 697-702	4.9	19
19	The Ecology of Prions. *Microbiology and Molecular Biology Reviews*, **2017**, 81,	13.2	16
18	Detection of prion protein in the cerebrospinal fluid of elk (Cervus canadensis nelsoni) with chronic wasting disease using protein misfolding cyclic amplification. *Journal of Veterinary Diagnostic Investigation*, **2012**, 24, 746-9	1.5	16
17	Delivery of Therapeutic siRNA to the CNS Using Cationic and Anionic Liposomes. *Journal of Visualized Experiments*, **2016**,	1.6	11
16	Clay Components in Soil Dictate Environmental Stability and Bioavailability of Cervid Prions in Mice. *Frontiers in Microbiology*, **2016**, 7, 1885	5.7	10
15	PrPC knockdown by liposome-siRNA-peptide complexes (LSPCs) prolongs survival and normal behavior of prion-infected mice immunotolerant to treatment. *PLoS ONE*, **2019**, 14, e0219995	3.7	9
14	Relative Impact of Complement Receptors CD21/35 (Cr2/1) on Scrapie Pathogenesis in Mice. *MSphere*, **2017**, 2,	5	9
13	Estimating prion adsorption capacity of soil by BioAssay of Subtracted Infectivity from Complex Solutions (BASICS). *PLoS ONE*, **2013**, 8, e58630	3.7	9
12	Generation of a Unique Cervid Prion Strain Using Protein Misfolding Cyclic Amplification. *MSphere*, **2017**, 2,	5	8
11	Complement Regulatory Protein Factor H Is a Soluble Prion Receptor That Potentiates Peripheral Prion Pathogenesis. *Journal of Immunology*, **2017**, 199, 3821-3827	5.3	8
10	Prions--not your immunologist's pathogen. *PLoS Pathogens*, **2015**, 11, e1004624	7.6	8
9	Dietary magnesium and copper affect survival time and neuroinflammation in chronic wasting disease. *Prion*, **2016**, 10, 228-50	2.3	7
8	Perturbation of T-cell development by insertional mutation of a PrP transgene. *Immunology*, **2009**, 127, 226-36	7.8	6
7	Monitoring immune cells trafficking fluorescent prion rods hours after intraperitoneal infection. *Journal of Visualized Experiments*, **2010**,	1.6	6
6	Prion amplification and hierarchical Bayesian modeling refine detection of prion infection. *Scientific Reports*, **2015**, 5, 8358	4.9	5
5	Lipopeptide delivery of siRNA to the central nervous system. *Methods in Molecular Biology*, **2013**, 948, 251-62	1.4	3

4	Lipopeptide Delivery of siRNA to the Central Nervous System. *Methods in Molecular Biology*, **2019**, 1943, 389-403	1.4	2
3	siRNA Therapeutics for Protein Misfolding Diseases of the Central Nervous System. *Methods in Molecular Biology*, **2021**, 2282, 377-394	1.4	1
2	Expression of CD21/35 on Follicular Dendritic Cells Expedites Peripheral Prion Accumulation And Neuroinvasion. *FASEB Journal*, **2008**, 22, 673.7	0.9	
1	Tissue-Specific Biochemical Differences Between Chronic Wasting Disease Prions Isolated From Free-Ranging White-Tailed Deer (Odocoileus virginianus).. *Journal of Biological Chemistry*, **2022**, 101834	5.4	