

Candace K. Mathiason

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

2,586
citations

28
h-index

50
g-index

78
ext. papers

3,002
ext. citations

5.4
avg, IF

4.73
L-index

#	Paper	IF	Citations
74	Infectious prions in the saliva and blood of deer with chronic wasting disease. <i>Science</i> , 2006 , 314, 133-6	33.3	376
73	Prion strain mutation determined by prion protein conformational compatibility and primary structure. <i>Science</i> , 2010 , 328, 1154-8	33.3	168
72	Transmission of prions from mule deer and elk with chronic wasting disease to transgenic mice expressing cervid PrP. <i>Journal of Virology</i> , 2004 , 78, 13345-50	6.6	151
71	Infectious prions in pre-clinical deer and transmission of chronic wasting disease solely by environmental exposure. <i>PLoS ONE</i> , 2009 , 4, e5916	3.7	143
70	Detection of chronic wasting disease prions in salivary, urinary, and intestinal tissues of deer: potential mechanisms of prion shedding and transmission. <i>Journal of Virology</i> , 2011 , 85, 6309-18	6.6	97
69	Detection of sub-clinical CWD infection in conventional test-negative deer long after oral exposure to urine and feces from CWD+ deer. <i>PLoS ONE</i> , 2009 , 4, e7990	3.7	92
68	Rapid antemortem detection of CWD prions in deer saliva. <i>PLoS ONE</i> , 2013 , 8, e74377	3.7	81
67	Re-examination of feline leukemia virus: host relationships using real-time PCR. <i>Virology</i> , 2005 , 332, 272-88	7.7	77
66	Quantitative assessment of prion infectivity in tissues and body fluids by real-time quaking-induced conversion. <i>Journal of General Virology</i> , 2015 , 96, 210-219	4.9	73
65	In vitro detection of prionemia in TSE-infected cervids and hamsters. <i>PLoS ONE</i> , 2013 , 8, e80203	3.7	71
64	Proteinase K-sensitive disease-associated ovine prion protein revealed by conformation-dependent immunoassay. <i>Biochemical Journal</i> , 2007 , 401, 475-83	3.8	70
63	B cells and platelets harbor prion infectivity in the blood of deer infected with chronic wasting disease. <i>Journal of Virology</i> , 2010 , 84, 5097-107	6.6	68
62	Longitudinal Detection of Prion Shedding in Saliva and Urine by Chronic Wasting Disease-Infected Deer by Real-Time Quaking-Induced Conversion. <i>Journal of Virology</i> , 2015 , 89, 9338-47	6.6	60
61	Mother to offspring transmission of chronic wasting disease in reeves muntjac deer. <i>PLoS ONE</i> , 2013 , 8, e71844	3.7	58
60	Aerosol transmission of chronic wasting disease in white-tailed deer. <i>Journal of Virology</i> , 2013 , 87, 1890-8	6.6	54
59	Susceptibility of domestic cats to chronic wasting disease. <i>Journal of Virology</i> , 2013 , 87, 1947-56	6.6	45
58	Mucosal immunization with an attenuated Salmonella vaccine partially protects white-tailed deer from chronic wasting disease. <i>Vaccine</i> , 2015 , 33, 726-33	4.1	44

57	Pathways of Prion Spread during Early Chronic Wasting Disease in Deer. <i>Journal of Virology</i> , 2017 , 91,	6.6	42
56	Experimental chronic wasting disease (CWD) in the ferret. <i>Journal of Comparative Pathology</i> , 2008 , 138, 189-96	1	41
55	Molecular and transmission characteristics of primary-passaged ovine scrapie isolates in conventional and ovine PrP transgenic mice. <i>Journal of Virology</i> , 2008 , 82, 11197-207	6.6	41
54	In vivo monocyte tropism of pathogenic feline immunodeficiency viruses. <i>Journal of Virology</i> , 1999 , 73, 6852-61	6.6	40
53	Characterization of a highly pathogenic molecular clone of feline immunodeficiency virus clade C. <i>Journal of Virology</i> , 2004 , 78, 8971-82	6.6	37
52	Prion-seeding activity in cerebrospinal fluid of deer with chronic wasting disease. <i>PLoS ONE</i> , 2013 , 8, e81488	3.7	37
51	Insights into Chronic Wasting Disease and Bovine Spongiform Encephalopathy Species Barriers by Use of Real-Time Conversion. <i>Journal of Virology</i> , 2015 , 89, 9524-31	6.6	35
50	Immediate and Ongoing Detection of Prions in the Blood of Hamsters and Deer following Oral, Nasal, or Blood Inoculations. <i>Journal of Virology</i> , 2015 , 89, 7421-4	6.6	33
49	Structural effects of PrP polymorphisms on intra- and interspecies prion transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11169-74	11.5	32
48	In utero transmission and tissue distribution of chronic wasting disease-associated prions in free-ranging Rocky Mountain elk. <i>Journal of General Virology</i> , 2015 , 96, 3444-3455	4.9	31
47	Propagation of ovine prions from "poor" transmitter scrapie isolates in ovine PrP transgenic mice. <i>Experimental and Molecular Pathology</i> , 2012 , 92, 167-74	4.4	29
46	Enhanced prion detection in biological samples by magnetic particle extraction and real-time quaking-induced conversion. <i>Journal of General Virology</i> , 2016 , 97, 2023-2029	4.9	27
45	Sensitivity of protein misfolding cyclic amplification versus immunohistochemistry in ante-mortem detection of chronic wasting disease. <i>Journal of General Virology</i> , 2012 , 93, 1141-1150	4.9	24
44	Shedding and stability of CWD prion seeding activity in cervid feces. <i>PLoS ONE</i> , 2020 , 15, e0227094	3.7	23
43	PrPSc formation and clearance as determinants of prion tropism. <i>PLoS Pathogens</i> , 2017 , 13, e1006298	7.6	22
42	Detection and Quantification of CWD Prions in Fixed Paraffin Embedded Tissues by Real-Time Quaking-Induced Conversion. <i>Scientific Reports</i> , 2016 , 6, 25098	4.9	22
41	Detection of chronic wasting disease prion seeding activity in deer and elk feces by real-time quaking-induced conversion. <i>Journal of General Virology</i> , 2017 , 98, 1953-1962	4.9	20
40	Assessment of Chronic Wasting Disease Prion Shedding in Deer Saliva with Occupancy Modeling. <i>Journal of Clinical Microbiology</i> , 2018 , 56,	9.7	20

39	Feline immunodeficiency virus Gag- and Env-specific immune responses after vaginal versus intravenous infection. <i>AIDS Research and Human Retroviruses</i> , 2001 , 17, 1767-78	1.6	19
38	Kinetics of early FIV infection in cats exposed via the vaginal versus intravenous route. <i>AIDS Research and Human Retroviruses</i> , 2002 , 18, 217-26	1.6	19
37	Immunohistochemical localization of feline immunodeficiency virus using native species antibodies. <i>American Journal of Pathology</i> , 2002 , 161, 1143-51	5.8	18
36	Modified Protein Misfolding Cyclic Amplification Overcomes Real-Time Quaking-Induced Conversion Assay Inhibitors in Deer Saliva To Detect Chronic Wasting Disease Prions. <i>Journal of Clinical Microbiology</i> , 2018 , 56,	9.7	17
35	Detection of CWD in cervids by RT-QuIC assay of third eyelids. <i>PLoS ONE</i> , 2019 , 14, e0221654	3.7	16
34	Comparison of conventional, amplification and bio-assay detection methods for a chronic wasting disease inoculum pool. <i>PLoS ONE</i> , 2019 , 14, e0216621	3.7	16
33	Dogs are resistant to prion infection, due to the presence of aspartic or glutamic acid at position 163 of their prion protein. <i>FASEB Journal</i> , 2020 , 34, 3969-3982	0.9	16
32	Infectious Prions in the Pregnancy Microenvironment of Chronic Wasting Disease-Infected ReevesR Muntjac Deer. <i>Journal of Virology</i> , 2017 , 91,	6.6	15
31	PrPC expression and prion seeding activity in the alimentary tract and lymphoid tissue of deer. <i>PLoS ONE</i> , 2017 , 12, e0183927	3.7	13
30	Very low oral exposure to prions of brain or saliva origin can transmit chronic wasting disease. <i>PLoS ONE</i> , 2020 , 15, e0237410	3.7	13
29	Leukoreduction and blood-borne vCJD transmission risk. <i>Current Opinion in Hematology</i> , 2015 , 22, 36-40	3.3	12
28	Scrapie, CWD, and Transmissible Mink Encephalopathy. <i>Progress in Molecular Biology and Translational Science</i> , 2017 , 150, 267-292	4	12
27	Ecological Dynamics Impacting Bluetongue Virus Transmission in North America. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 186	3.1	11
26	Lesion profiling and subcellular prion localization of cervid chronic wasting disease in domestic cats. <i>Veterinary Pathology</i> , 2015 , 52, 107-19	2.8	10
25	Progression of chronic wasting disease in white-tailed deer analyzed by serial biopsy RT-QuIC and immunohistochemistry. <i>PLoS ONE</i> , 2020 , 15, e0228327	3.7	10
24	Cross virus neutralizing antibodies against feline immunodeficiency virus genotypes A, B, C, D and E. <i>Archives of Virology</i> , 1998 , 143, 157-62	2.6	10
23	Reversal of feline leukemia virus infection by adoptive transfer of lectin/interleukin-2-activated lymphocytes, interferon-alpha, and zidovudine. <i>Journal of Immunotherapy</i> , 1993 , 14, 22-32	5	10
22	Bioassay of prion-infected blood plasma in PrP transgenic Drosophila. <i>Biochemical Journal</i> , 2016 , 473, 4399-4412	3.8	10

21	Assessment of the PrPc Amino-Terminal Domain in Prion Species Barriers. <i>Journal of Virology</i> , 2016 , 90, 10752-10761	6.6	10
20	Milk collection methods for mice and ReevesRmuntjac deer. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	8
19	Comparative analysis of prions in nervous and lymphoid tissues of chronic wasting disease-infected cervids. <i>Journal of General Virology</i> , 2018 , 99, 753-758	4.9	8
18	detection of haematogenous prions in white-tailed deer orally dosed with low concentrations of chronic wasting disease. <i>Journal of General Virology</i> , 2020 , 101, 347-361	4.9	6
17	Silent Prions and Covert Prion Transmission. <i>PLoS Pathogens</i> , 2015 , 11, e1005249	7.6	5
16	Chronic wasting disease prion infection of differentiated neurospheres. <i>Prion</i> , 2017 , 11, 277-283	2.3	4
15	Maternal Influenza A Virus Infection Restricts Fetal and Placental Growth and Adversely Affects the Fetal Thymic Transcriptome. <i>Viruses</i> , 2020 , 12,	6.2	4
14	Intra-host mathematical model of chronic wasting disease dynamics in deer (<i>Odocoileus</i>). <i>Prion</i> , 2016 , 10, 377-390	2.3	2
13	Detection of Chronic Wasting Disease Prions in Fetal Tissues of Free-Ranging White-Tailed Deer.. <i>Viruses</i> , 2021 , 13,	6.2	2
12	Aspects of the husbandry and management of captive cervids. <i>Lab Animal</i> , 2016 , 45, 140-2	0.4	2
11	Transabdominal ultrasound for pregnancy diagnosis in ReevesRmuntjac deer. <i>Journal of Visualized Experiments</i> , 2014 , e50855	1.6	1
10	Large animal models for chronic wasting disease.. <i>Cell and Tissue Research</i> , 2022 , 1	4.2	1
9	Involvement of N- and C-terminal region of recombinant cervid prion protein in its reactivity to CWD and atypical BSE prions in real-time quaking-induced conversion reaction in the presence of high concentrations of tissue homogenates. <i>Prion</i> , 2020 , 14, 283-295	2.3	1
8	Creutzfeldt-Jakob disease in pregnancy: the use of modified RT-QuIC to determine infectivity in placental tissues. <i>Prion</i> , 2021 , 15, 107-111	2.3	1
7	P4-205: MUCOSAL IMMUNIZATION TO PREVENT CHRONIC WASTING DISEASE (CWD) IN DEER 2014 , 10, P863-P863		
6	The use of PrP transgenic to replace and reduce vertebrate hosts in the bioassay of mammalian prion infectivity. <i>F1000Research</i> , 2018 , 7, 595	3.6	
5	Bluetongue Research at a Crossroads: Modern Genomics Tools Can Pave the Way to New Insights.. <i>Annual Review of Animal Biosciences</i> , 2022 , 10, 303-324	13.7	
4	Detection of CWD in cervids by RT-QuIC assay of third eyelids 2019 , 14, e0221654		

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