Judd Aiken

List of Publications by Year in descending order

43 papers	2,161 citations	257450 24 h-index	289244 40 g-index
44 all docs	44 docs citations	44 times ranked	2198 citing authors

#	Article	IF	Citations
1	Cellular prion protein distribution in the vomeronasal organ, parotid, and scent glands of white-tailed deer and mule deer. Prion, 2022, 16, 40-57.	1.8	2
2	White-tailed deer S96 prion protein does not support stable in vitro propagation of most common CWD strains. Scientific Reports, 2021, 11, 11193.	3.3	7
3	Chronic wasting disease: a cervid prion infection looming to spillover. Veterinary Research, 2021, 52, 115.	3.0	16
4	Chronic wasting disease (CWD) prion strains evolve via adaptive diversification of conformers in hosts expressing prion protein polymorphisms. Journal of Biological Chemistry, 2020, 295, 4985-5001.	3.4	28
5	Prion protein polymorphisms associated with reduced CWD susceptibility limit peripheral PrPCWD deposition in orally infected white-tailed deer. BMC Veterinary Research, 2019, 15, 50.	1.9	35
6	Dual MicroRNA to Cellular Prion Protein Inhibits Propagation of Pathogenic Prion Protein in Cultured Cells. Molecular Neurobiology, 2018, 55, 2384-2396.	4.0	9
7	Linking metabolic and contractile dysfunction in aged cardiac myocytes. Physiological Reports, 2017, 5, e13485.	1.7	9
8	Tollâ€like receptorâ€mediated immune response inhibits prion propagation. Glia, 2016, 64, 937-951.	4.9	18
9	Latent mitochondrial <scp>DNA</scp> deletion mutations drive muscle fiber loss at old age. Aging Cell, 2016, 15, 1132-1139.	6.7	51
10	Deer Prion Proteins Modulate the Emergence and Adaptation of Chronic Wasting Disease Strains. Journal of Virology, 2015, 89, 12362-12373.	3.4	75
11	The Standard Scrapie Cell Assay: Development, Utility and Prospects. Viruses, 2015, 7, 180-198.	3.3	11
12	Apoptosis and necrosis mediate skeletal muscle fiber loss in ageâ€induced mitochondrial enzymatic abnormalities. Aging Cell, 2015, 14, 1085-1093.	6.7	73
13	Effects of Age and Exercise Training on the Expression of Mitochondrial Genes in Skeletal Muscle. FASEB Journal, 2015, 29, 815.11.	0.5	0
14	Potential role of soil properties in the spread of CWD in western Canada. Prion, 2014, 8, 92-99.	1.8	22
15	Effect of Age and Exercise on the Viscoelastic Properties of Rat Tail Tendon. Annals of Biomedical Engineering, 2013, 41, 1120-1128.	2.5	46
16	Low Copper and High Manganese Levels in Prion Protein Plaques. Viruses, 2013, 5, 654-662.	3.3	26
17	Infectious Prions Accumulate to High Levels in Non Proliferative C2C12 Myotubes. PLoS Pathogens, 2013, 9, e1003755.	4.7	21
18	Mitochondrial Biogenesis Drives a Vicious Cycle of Metabolic Insufficiency and Mitochondrial DNA Deletion Mutation Accumulation in Aged Rat Skeletal Muscle Fibers. PLoS ONE, 2013, 8, e59006.	2.5	20

#	Article	IF	Citations
19	Highly Efficient Amplification of Chronic Wasting Disease Agent by Protein Misfolding Cyclic Amplification with Beads (PMCAb). PLoS ONE, 2012, 7, e35383.	2.5	32
20	Monitoring exercise intensity during longâ€term endurance exercise training in aging rats. FASEB Journal, 2012, 26, 1142.4.	0.5	0
21	A Quantitative Proteomic Approach to Prion Disease Biomarker Research: Delving into the Glycoproteome. Journal of Proteome Research, 2011, 10, 2687-2702.	3.7	30
22	Establishment and characterization ofPrnpknockdown neuroblastoma cells using dual microRNA-mediated RNA interference. Prion, 2011, 5, 93-102.	1.8	12
23	Pathogenic prion protein is degraded by a manganese oxide mineral found in soils. Journal of General Virology, 2009, 90, 275-280.	2.9	46
24	Persistence of Pathogenic Prion Protein during Simulated Wastewater Treatment Processes. Environmental Science & Technology, 2008, 42, 5254-5259.	10.0	61
25	Oral Transmissibility of Prion Disease Is Enhanced by Binding to Soil Particles. PLoS Pathogens, 2007, 3, e93.	4.7	187
26	Adsorption of Pathogenic Prion Protein to Quartz Sand. Environmental Science & Technology, 2007, 41, 2324-2330.	10.0	54
27	Mitochondrial DNAâ€“Deletion Mutations Accumulate Intracellularly to Detrimental Levels in Aged Human Skeletal Muscle Fibers. American Journal of Human Genetics, 2006, 79, 469-480.	6.2	363
28	Potential Role of Soil in the Transmission of Prion Disease. Reviews in Mineralogy and Geochemistry, 2006, 64, 135-152.	4.8	43
29	Prion protein polymorphisms in white-tailed deer influence susceptibility to chronic wasting disease. Journal of General Virology, 2006, 87, 2109-2114.	2.9	143
30	MtDNA point mutations are associated with deletion mutations in aged rat. Experimental Gerontology, 2005, 40, 209-218.	2.8	20
31	Molecular analyses of mtDNA deletion mutations in microdissected skeletal muscle fibers from aged rhesus monkeys. Aging Cell, 2004, 3, 319-326.	6.7	85
32	Labeling of the scrapie-associated prion protein in vitro and in vivo. Neuroscience Letters, 2004, 371, 176-180.	2.1	11
33	Identification of a putative calcium-binding protein as a dioxin-responsive gene in zebrafish and rainbow trout. Aquatic Toxicology, 2003, 63, 271-282.	4.0	14
34	PRION PROTEIN GENE HETEROGENEITY IN FREE-RANGING WHITE-TAILED DEER WITHIN THE CHRONIC WASTING DISEASE AFFECTED REGION OF WISCONSIN. Journal of Wildlife Diseases, 2003, 39, 576-581.	0.8	80
35	Mitochondrial DNA deletion mutations. FEBS Journal, 2002, 269, 2010-2015.	0.2	113
36	Adaptation and Selection of Prion Protein Strain Conformations following Interspecies Transmission of Transmissible Mink Encephalopathy. Journal of Virology, 2000, 74, 5542-5547.	3.4	132

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37	Strain-specific propagation of PrPSc properties into baculovirus-expressed hamster PrPC. Journal of General Virology, 2000, 81, 2565-2571.	2.9	12
38	A molecular basis for transmissible spongiform encephalopathy agent strain differences. Bulletin De L'Institut Pasteur, 1998, 96, 35-47.	0.6	0
39	Reversibility of Scrapie Inactivation Is Enhanced by Copper. Journal of Biological Chemistry, 1998, 273, 25545-25547.	3.4	116
40	Multiple age-associated mitochondrial DNA deletions in skeletal muscle of mice. Aging Clinical and Experimental Research, 1994, 6, 193-200.	2.9	47
41	PRP gene variability in the us cattle population. Animal Biotechnology, 1992, 3, 309-315.	1.5	14
42	Golden hamster embryonic genome activation occurs at the two-cell stage: Correlation with major developmental changes. Molecular Reproduction and Development, 1992, 32, 229-235.	2.0	31
43	Sequence homologtes in the protamine gene family of rainbow trout. Nucleic Acids Research, 1983, 11, 4907-4922.	14.5	46