Christina J Sigurdson

List of Publications by Year
in descending order

68	9,602	109321 35	106344 65
papers	citations	h-index	g-index

69	69	69	16988
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Soluble PrPC Derivative and Membrane-Anchored PrPC in Extracellular Vesicles Attenuate Innate Immunity by Engaging the NMDA-R/LRP1 Receptor Complex. Journal of Immunology, 2022, 208, 85-96.	0.8	10
2	Cellular prion protein in human plasmaâ€“derived extracellular vesicles promotes neurite outgrowth via the NMDA receptorâ€“LRP1 receptor system. Journal of Biological Chemistry, 2022, 298, 101642.	3.4	3
3	Noninvasive Antemortem Detection of Retinal Prions by a Fluorescent Tracer. Journal of Alzheimer's Disease, 2022, 88, 1137-1145.	2.6	1
4	Minimal change prion retinopathy: Morphometric comparison of retinal and brain prion deposits in Creutzfeldt-Jakob disease. Experimental Eye Research, 2022, 222, 109172.	2.6	1
5	Short and sweet: How glycans impact prion conversion, cofactor interactions, and cross-species transmission. PLoS Pathogens, 2021, 17, e1009123.	4.7	9
6	Scaling analysis reveals the mechanism and rates of prion replication in vivo. Nature Structural and Molecular Biology, 2021, 28, 365-372.	8.2	22
7	ARCAM-1 Facilitates Fluorescence Detection of Amyloid-Containing Deposits in the Retina. Translational Vision Science and Technology, 2021, 10, 5.	2.2	11
8	Distinct conformers of amyloid beta accumulate in the neocortex of patients with rapidly progressive Alzheimer's disease. Journal of Biological Chemistry, 2021, 297, 101267.	3.4	25
9	Shortening heparan sulfate chains prolongs survival and reduces parenchymal plaques in prion disease caused by mobile, ADAM10-cleaved prions. Acta Neuropathologica, 2020, 139, 527-546.	7.7	23
10	Risk of Transmissibility From Neurodegenerative Disease-Associated Proteins: Experimental Knowns and Unknowns. Journal of Neuropathology and Experimental Neurology, 2020, 79, 1141-1146.	1.7	24
11	A soluble derivative of PrPC activates cell-signaling and regulates cell physiology through LRP1 and the NMDA receptor. Journal of Biological Chemistry, 2020, 295, 14178-14188.	3.4	17
12	Prion protein post-translational modifications modulate heparan sulfate binding and limit aggregate size in prion disease. Neurobiology of Disease, 2020, 142, 104955.	4.4	5
13	Prion protein glycans reduce intracerebral fibril formation and spongiosis in prion disease. Journal of Clinical Investigation, 2020, 130, 1350-1362.	8.2	32
14	Cryo-EM structure and polymorphism of AÎ² amyloid fibrils purified from Alzheimerâ€™s brain tissue. Nature Communications, 2019, 10, 4760.	12.8	411
15	Recent advances on the molecular pathogenesis of prion diseases. Brain Pathology, 2019, 29, 245-247.	4.1	0
16	Seeding selectivity and ultrasensitive detection of tau aggregate conformers of Alzheimer disease. Acta Neuropathologica, 2019, 137, 585-598.	7.7	95
17	Cellular and Molecular Mechanisms of Prion Disease. Annual Review of Pathology: Mechanisms of Disease, 2019, 14, 497-516.	22.4	83
18	Generation of novel neuroinvasive prions following intravenous challenge. Brain Pathology, 2018, 28, 999-1011.	4.1	15

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19	Prion Seeds Distribute throughout the Eyes of Sporadic Creutzfeldt-Jakob Disease Patients. MBio, 2018, 9, .	4.1	48
20	Solvation-Guided Design of Fluorescent Probes for Discrimination of Amyloids. Scientific Reports, 2018, 8, 6950.	3.3	21
21	Post-translational modifications in PrP expand the conformational diversity of prions in vivo. Scientific Reports, 2017, 7, 43295.	3.3	30
22	Asparagine and glutamine ladders promote cross-species prion conversion. Journal of Biological Chemistry, 2017, 292, 19076-19086.	3.4	23
23	Electron microscopic and confocal laser microscopy analysis of amyloid plaques in chronic wasting disease transmitted to transgenic mice. Prion, 2017, 11, 431-439.	1.8	0
24	Enhanced neuroinvasion by smaller, soluble prions. Acta Neuropathologica Communications, 2017, 5, 32.	5.2	29
25	Polymorphismus von Amyloidfibrillen inâ€...vivo. Angewandte Chemie, 2016, 128, 4903-4906.	2.0	7
26	Polymorphism of Amyloid Fibrils In Vivo. Angewandte Chemie - International Edition, 2016, 55, 4822-4825.	13.8	109
27	Neuropathological assessment and validation of mouse models for Alzheimer's disease: applying NIA-AA guidelines. Pathobiology of Aging & Age Related Diseases, 2016, 6, 32397.	1.1	13
28	Cross-species transmission of CWD prions. Prion, 2016, 10, 83-91.	1.8	38
29	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
30	Systemic Amyloid A Amyloidosis in Island Foxes (Urocyon littoralis). Veterinary Pathology, 2016, 53, 637-647.	1.7	11
31	Protein profiling of isolated uterine AA amyloidosis causing fetal death in goats. FASEB Journal, 2015, 29, 911-919.	0.5	12
32	Multiple Mechanisms of Unfolded Protein Responseâ€“Induced Cell Death. American Journal of Pathology, 2015, 185, 1800-1808.	3.8	152
33	A Palette of Fluorescent Thiopheneâ€Based Ligands for the Identification of Protein Aggregates. Chemistry - A European Journal, 2015, 21, 15133-15137.	3.3	74
34	Human prion protein sequence elements impede cross-species chronic wasting disease transmission. Journal of Clinical Investigation, 2015, 125, 1485-1496.	8.2	68
35	Proteomic Analysis of Highly Prevalent Amyloid A Amyloidosis Endemic to Endangered Island Foxes. PLoS ONE, 2014, 9, e113765.	2.5	16
36	Prion Transmission Prevented by Modifying the Î²2-Î±2 Loop Structure of Host PrP^C. Journal of Neuroscience, 2014, 34, 1022-1027.	3.6	67

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37	Multimodal fluorescence microscopy of prion strain specific PrP deposits stained by thiophene-based amyloid ligands. Prion, 2014, 8, 319-329.	1.8	63
38	A Proposed Mechanism for the Promotion of Prion Conversion Involving a Strictly Conserved Tyrosine Residue in the Î²2-Î±2 Loop of PrPC. Journal of Biological Chemistry, 2014, 289, 10660-10667.	3.4	37
39	S4-01-04: The spread of prions. , 2013, 9, P673-P673.		0
40	The Structural Basis for Optimal Performance of Oligothiopheneâ€Based Fluorescent Amyloid Ligands: Conformational Flexibility is Essential for Spectral Assignment of a Diversity of Protein Aggregates. Chemistry - A European Journal, 2013, 19, 10179-10192.	3.3	95
41	Defining the Conformational Features of Anchorless, Poorly Neuroinvasive Prions. PLoS Pathogens, 2013, 9, e1003280.	4.7	22
42	Mucosal transmission and pathogenesis of chronic wasting disease in ferrets. Journal of General Virology, 2013, 94, 432-442.	2.9	11
43	Biochemical Properties of Highly Neuroinvasive Prion Strains. PLoS Pathogens, 2012, 8, e1002522.	4.7	59
44	Evidence for distinct chronic wasting disease (CWD) strains in experimental CWD in ferrets. Journal of General Virology, 2012, 93, 212-221.	2.9	45
45	Structure of the Î²2â€Î±2 loop and interspecies prion transmission. FASEB Journal, 2012, 26, 2868-2876.	0.5	41
46	Experimental Oral Transmission of Chronic Wasting Disease to Reindeer (Rangifer tarandus tarandus). PLoS ONE, 2012, 7, e39055.	2.5	82
47	Sheep with Scrapie and Mastitis Transmit Infectious Prions through the Milk. Journal of Virology, 2011, 85, 1136-1139.	3.4	54
48	Spongiform Encephalopathy in Transgenic Mice Expressing a Point Mutation in the Î²2â€“Î±2 Loop of the Prion Protein. Journal of Neuroscience, 2011, 31, 13840-13847.	3.6	56
49	Tracking protein aggregate interactions. Prion, 2011, 5, 52-55.	1.8	4
50	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
51	Prion Strain Interactions Are Highly Selective. Journal of Neuroscience, 2010, 30, 12094-12102.	3.6	40
52	A molecular switch controls interspecies prion disease transmission in mice. Journal of Clinical Investigation, 2010, 120, 2590-2599.	8.2	124
53	Bacterial Colitis Increases Susceptibility to Oral Prion Disease. Journal of Infectious Diseases, 2009, 199, 243-252.	4.0	35
54	De novo generation of a transmissible spongiform encephalopathy by mouse transgenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 304-309.	7.1	185

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55	Novel Pentameric Thiophene Derivatives for in Vitro and in Vivo Optical Imaging of a Plethora of Protein Aggregates in Cerebral Amyloidoses. ACS Chemical Biology, 2009, 4, 673-684.	3.4	290
56	A prion disease of cervids: Chronic wasting disease. Veterinary Research, 2008, 39, 41.	3.0	119
57	The POM Monoclonals: A Comprehensive Set of Antibodies to Non-Overlapping Prion Protein Epitopes. PLoS ONE, 2008, 3, e3872.	2.5	162
58	Prion strain discrimination using luminescent conjugated polymers. Nature Methods, 2007, 4, 1023-1030.	19.0	261
59	Strain Fidelity of Chronic Wasting Disease upon Murine Adaptation. Journal of Virology, 2006, 80, 12303-12311.	3.4	74
60	Prions in Skeletal Muscles of Deer with Chronic Wasting Disease. Science, 2006, 311, 1117-1117.	12.6	192
61	Infectious Prions in the Saliva and Blood of Deer with Chronic Wasting Disease. Science, 2006, 314, 133-136.	12.6	448
62	PrPSc in mammary glands of sheep affected by scrapie and mastitis. Nature Medicine, 2005, 11, 1137-1138.	30.7	142
63	Reconstructing Prions: Fibril Assembly from Simple Yeast to Complex Mammals. Neurodegenerative Diseases, 2005, 2, 1-5.	1.4	3
64	Other animal prion diseases. British Medical Bulletin, 2003, 66, 199-212.	6.9	95
65	PrPCWD lymphoid cell targets in early and advanced chronic wasting disease of mule deer. Journal of General Virology, 2002, 83, 2617-2628.	2.9	67
66	Preclinical diagnosis of chronic wasting disease in captive mule deer (Odocoileus hemionus) and white-tailed deer (Odocoileus virginianus) using tonsillar biopsy. Journal of General Virology, 2002, 83, 2629-2634.	2.9	69
67	PrPCWD in the myenteric plexus, vagosympathetic trunk and endocrine glands of deer with chronic wasting disease. Journal of General Virology, 2001, 82, 2327-2334.	2.9	126
68	Oral transmission and early lymphoid tropism of chronic wasting disease PrPres in mule deer fawns (Odocoileus hemionus). Journal of General Virology, 1999, 80, 2757-2764.	2.9	289