Stanley B Prusiner

List of Publications by Year
in descending order

125	19,404	23567 58	17105 122
papers	citations	h-index	g-index

128	128	128	8450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. Nature, 1992, 356, 577-582.	27.8	1,582
2	A cellular gene encodes scrapie PrP 27-30 protein. Cell, 1985, 40, 735-746.	28.9	1,490
3	Eight prion strains have PrPSc molecules with different conformations. Nature Medicine, 1998, 4, 1157-1165.	30.7	1,178
4	Scrapie prions aggregate to form amyloid-like birefringent rods. Cell, 1983, 35, 349-358.	28.9	1,067
5	Transgenetic studies implicate interactions between homologous PrP isoforms in scrapie prion replication. Cell, 1990, 63, 673-686.	28.9	877
6	Linkage of a prion protein missense variant to Gerstmannâ€“StrÃussler syndrome. Nature, 1989, 338, 342-345.	27.8	862
7	Prion propagation in mice expressing human and chimeric PrP transgenes implicates the interaction of cellular PrP with another protein. Cell, 1995, 83, 79-90.	28.9	800
8	Evidence for Î±-synuclein prions causing multiple system atrophy in humans with parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5308-17.	7.1	578
9	Prion Protein Selectively Binds Copper(II) Ionsâ€. Biochemistry, 1998, 37, 7185-7193.	2.5	507
10	A Unifying Role for Prions in Neurodegenerative Diseases. Science, 2012, 336, 1511-1513.	12.6	457
11	Linkage of prion protein and scrapie incubation time genes. Cell, 1986, 46, 503-511.	28.9	416
12	Biology and Genetics of Prions Causing Neurodegeneration. Annual Review of Genetics, 2013, 47, 601-623.	7.6	384
13	Transmission of multiple system atrophy prions to transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19555-19560.	7.1	359
14	Measurement of the scrapie agent using an incubation time interval assay. Annals of Neurology, 1982, 11, 353-358.	5.3	343
15	Purified and synthetic Alzheimerâ€™s amyloid beta (AÎ²) prions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11025-11030.	7.1	327
16	Purification and properties of the cellular and scrapie hamster prion proteins. FEBS Journal, 1988, 176, 21-30.	0.2	311
17	Human prion diseases. Annals of Neurology, 1994, 35, 385-395.	5.3	295
18	Antibodies to a scrapie prion protein. Nature, 1984, 310, 418-421.	27.8	284

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19	Chimeric prion protein expression in cultured cells and transgenic mice. Protein Science, 1992, 1, 986-997.	7.6	248
20	Serial propagation of distinct strains of AÎ² prions from Alzheimerâ€™s disease patients. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10323-10328.	7.1	247
21	Mutant prion proteins in Gerstmann-StrÃussler-Scheinker disease with neurofibrillary tangles. Nature Genetics, 1992, 1, 68-71.	21.4	244
22	Is Parkinson's disease a prion disorder?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12571-12572.	7.1	242
23	Strain-specified relative conformational stability of the scrapie prion protein. Protein Science, 2001, 10, 854-863.	7.6	239
24	Copper binding to octarepeat peptides of the prion protein monitored by mass spectrometry. Protein Science, 2000, 9, 332-343.	7.6	214
25	Branched Polyamines Cure Prion-Infected Neuroblastoma Cells. Journal of Virology, 2001, 75, 3453-3461.	3.4	213
26	Creutzfeldtâ€“Jakob Disease Prion Proteins in Human Brains. New England Journal of Medicine, 1985, 312, 73-78.	27.0	202
27	Linkage of the Indiana kindred of Gerstmann-StrÃussler-Scheinker disease to the prion protein gene. Nature Genetics, 1992, 1, 64-67.	21.4	202
28	Design and construction of diverse mammalian prion strains. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20417-20422.	7.1	191
29	Propagation of prions causing synucleinopathies in cultured cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4949-58.	7.1	191
30	Purification and properties of the cellular prion protein from Syrian hamster brain. Protein Science, 1992, 1, 1343-1352.	7.6	183
31	Amyloid plaques in Creutzfeldt-Jakob disease stain with prion protein antibodies. Annals of Neurology, 1986, 20, 204-208.	5.3	181
32	GENETICS OF PRIONS. Annual Review of Genetics, 1997, 31, 139-175.	7.6	154
33	Tau prions from Alzheimerâ€™s disease and chronic traumatic encephalopathy patients propagate in cultured cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8187-E8196.	7.1	141
34	Distinct synthetic AÎ² prion strains producing different amyloid deposits in bigenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10329-10334.	7.1	140
35	Non-hydrophobic extracytoplasmic determinant of stop transfer in the prion protein. Nature, 1990, 343, 669-672.	27.8	138
36	Monoclonal Antibodies to the Cellular and Scrapie Prion Proteins. Journal of Infectious Diseases, 1986, 154, 518-521.	4.0	132

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37	Prions and prion proteins ¹. FASEB Journal, 1991, 5, 2799-2807.	0.5	132
38	Quinacrine treatment trial for sporadic Creutzfeldt-Jakob disease. Neurology, 2013, 81, 2015-2023.	1.1	122
39	Heritable disorder resembling neuronal storage disease in mice expressing prion protein with deletion of an Î±-helix. Nature Medicine, 1997, 3, 750-755.	30.7	121
40	Drug resistance confounding prion therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4160-9.	7.1	120
41	Prion clearance in bigenic mice. Journal of General Virology, 2005, 86, 2913-2923.	2.9	116
42	Genes contributing to prion pathogenesis. Journal of General Virology, 2008, 89, 1777-1788.	2.9	116
43	Tau aggregates are RNA-protein assemblies that mislocalize multiple nuclear speckle components. Neuron, 2021, 109, 1675-1691.e9.	8.1	111
44	Bioluminescence imaging of AÎ² deposition in bigenic mouse models of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2528-2533.	7.1	109
45	Structural heterogeneity and intersubject variability of AÎ² in familial and sporadic Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E782-E791.	7.1	105
46	Insoluble wildâ€“type and proteaseâ€“resistant mutant prion protein in brains of patients with inherited prion disease. Nature Medicine, 1996, 2, 59-64.	30.7	99
47	AÎ² and tau prion-like activities decline with longevity in the Alzheimerâ€™s disease human brain. Science Translational Medicine, 2019, 11, .	12.4	96
48	Evidence That Bank Vole PrP Is a Universal Acceptor for Prions. PLoS Pathogens, 2014, 10, e1003990.	4.7	92
49	Immunoblotting of Creutzfeldt-Jakob disease prion proteins: Host species?specific epitopes. Annals of Neurology, 1987, 21, 589-595.	5.3	91
50	Selective Precipitation of Prions by Polyoxometalate Complexes. Journal of the American Chemical Society, 2005, 127, 13802-13803.	13.7	88
51	Solidâ€state NMR studies of the prion protein H1 fragment. Protein Science, 1996, 5, 1655-1661.	7.6	84
52	Conformational propagation with prion-like characteristics in a simple model of protein folding. Protein Science, 2001, 10, 819-835.	7.6	84
53	Mouse Models for Studying the Formation and Propagation of Prions. Journal of Biological Chemistry, 2014, 289, 19841-19849.	3.4	83
54	Structural Polymorphism of Alzheimerâ€™s Î²-Amyloid Fibrils as Controlled by an E22 Switch: A Solid-State NMR Study. Journal of the American Chemical Society, 2016, 138, 9840-9852.	13.7	79

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55	MSA prions exhibit remarkable stability and resistance to inactivation. Acta Neuropathologica, 2018, 135, 49-63.	7.7	70
56	Kuru with incubation periods exceeding two decades. Annals of Neurology, 1982, 12, 1-9.	5.3	69
57	A 31-residue peptide induces aggregation of tau's microtubule-binding region in cells. Nature Chemistry, 2017, 9, 874-881.	13.6	67
58	Î²-Amyloid Prions and the Pathobiology of Alzheimerâ€™s Disease. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a023507.	6.2	64
59	Culture and Characterization of Epithelial Cells from Bovine Choroid Plexus. Journal of Neurochemistry, 1981, 37, 845-854.	3.9	63
60	Multiple system atrophy prions retain strain specificity after serial propagation in two different Tg(SNCA*A53T) mouse lines. Acta Neuropathologica, 2019, 137, 437-454.	7.7	58
61	The prion domain of yeast Ure2P induces autocatalytic formation of amyloid fibers by a recombinant fusion protein. Protein Science, 2000, 9, 440-451.	7.6	57
62	Expression of unglycosylated mutated prion protein facilitates PrPSc formation in neuroblastoma cells infected with different prion strains. Journal of General Virology, 2000, 81, 2555-2563.	2.9	54
63	Experimental scrapie in mice: Ultrastructural observations. Annals of Neurology, 1978, 4, 205-211.	5.3	53
64	Cryptic epitopes in N-terminally truncated prion protein are exposed in the full-length molecule: Dependence of conformation on pH. Proteins: Structure, Function and Bioinformatics, 2001, 44, 110-118.	2.6	52
65	Brain tissue from persons dying of creutzfeldt-jakob disease causes scrapie-like encephalopathy in goats. Annals of Neurology, 1980, 8, 628-631.	5.3	46
66	The Neurochemistry of Prion Diseases. Journal of Neurochemistry, 1993, 61, 1589-1601.	3.9	43
67	Different 2-Aminothiazole Therapeutics Produce Distinct Patterns of Scrapie Prion Neuropathology in Mouse Brains. Journal of Pharmacology and Experimental Therapeutics, 2015, 355, 2-12.	2.5	43
68	Familial Parkinsonâ€™s point mutation abolishes multiple system atrophy prion replication. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 409-414.	7.1	43
69	Prion Protein Transgenes and the Neuropathology in Prion Diseases. Brain Pathology, 1995, 5, 77-89.	4.1	42
70	Human prion strain selection in transgenic mice. Annals of Neurology, 2010, 68, 151-161.	5.3	42
71	Developing Therapeutics for PrP Prion Diseases. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a023747.	6.2	41
72	Lipid Composition in Scrapieâ€Infected Mouse Brain: Prion Infection Increases the Levels of Dolichyl Phosphate and Ubiquinone. Journal of Neurochemistry, 1996, 66, 277-285.	3.9	40

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73	Different Î±-synuclein prion strains cause dementia with Lewy bodies and multiple system atrophy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	40
74	Molecular Biology and Transgenetics of Prion Diseases. Critical Reviews in Biochemistry and Molecular Biology, 1991, 26, 397-438.	5.2	36
75	Transmission of scrapie and sheep-passaged bovine spongiform encephalopathy prions to transgenic mice expressing elk prion protein. Journal of General Virology, 2009, 90, 1035-1047.	2.9	36
76	Experimental Scrapie in the Mouse: Electrophoretic and Sedimentation Properties of the Partially Purified Agent. Journal of Neurochemistry, 1980, 35, 574-582.	3.9	35
77	Hormones and Neurotransmitters Control Cyclic AMP Metabolism in Choroid Plexus Epithelial Cells. Journal of Neurochemistry, 1984, 42, 340-350.	3.9	34
78	Surface charge of polyoxometalates modulates polymerization of the scrapie prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3740-3745.	7.1	33
79	Mechanism of Scrapie Prion Precipitation with Phosphotungstate Anions. ACS Chemical Biology, 2015, 10, 1269-1277.	3.4	33
80	Prion Proteinâ€"Antibody Complexes Characterized by Chromatography-Coupled Small-Angle X-Ray Scattering. Biophysical Journal, 2015, 109, 793-805.	0.5	33
81	A novel mechanism for group translocation: Substrate-product reutilization by ?-glutamyl transpeptidase in peptide and amino acid transport. Journal of Cellular Physiology, 1976, 89, 853-863.	4.1	32
82	Prions are novel infectious pathogens causing scrapie and creutzfeldt?Jakob disease. BioEssays, 1986, 5, 281-286.	2.5	32
83	Expanding spectrum of prion diseases. Emerging Topics in Life Sciences, 2020, 4, 155-167.	2.6	30
84	Kinetics of Human Mutant Tau Prion Formation in the Brains of 2 Transgenic Mouse Lines. JAMA Neurology, 2017, 74, 1464.	9.0	28
85	Optimization of Aryl Amides that Extend Survival in Prion-Infected Mice. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 537-547.	2.5	27
86	Experimental Models of Inherited PrP Prion Diseases. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a027151.	6.2	27
87	HISTORICAL ESSAY: Discovering the Cause of AIDS. Science, 2002, 298, 1726b-1726.	12.6	26
88	A longâ€lived AÎ² oligomer resistant to fibrillization. Biopolymers, 2018, 109, e23096.	2.4	26
89	Structural Studies of Truncated Forms of the Prion Protein PrP. Biophysical Journal, 2015, 108, 1548-1554.	0.5	25
90	How an Infection of Sheep Revealed Prion Mechanisms in Alzheimerâ€™s Disease and Other Neurodegenerative Disorders. International Journal of Molecular Sciences, 2021, 22, 4861.	4.1	25

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91	Pharmacokinetics of Quinacrine Efflux from Mouse Brain via the P-glycoprotein Efflux Transporter. PLoS ONE, 2012, 7, e39112.	2.5	24
92	Novel compounds lowering the cellular isoform of the human prion protein in cultured human cells. Bioorganic and Medicinal Chemistry, 2014, 22, 1960-1972.	3.0	24
93	FoxO3 regulates neuronal reprogramming of cells from postnatal and aging mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8514-8519.	7.1	24
94	Evidence for sortilin modulating regional accumulation of human tau prions in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11029-E11036.	7.1	23
95	Detecting prion protein gene mutations by denaturing gradient gel electrophoresis. Human Mutation, 1994, 4, 42-50.	2.5	21
96	Early evidence that a protease-resistant protein is an active component of the infectious prion. Cell, 2004, 116, S109.	28.9	21
97	Kinetics of Î±-synuclein prions preceding neuropathological inclusions in multiple system atrophy. PLoS Pathogens, 2020, 16, e1008222.	4.7	21
98	Use of a 2-aminothiazole to Treat Chronic Wasting Disease in Transgenic Mice. Journal of Infectious Diseases, 2015, 212, S17-S25.	4.0	19
99	H2Histamine Receptors on the Epithelial Cells of Choroid Plexus. Journal of Neurochemistry, 1986, 46, 489-493.	3.9	18
100	Scanning for mutations in the human prion protein open reading frame by temporal temperature gradient gel electrophoresis. Electrophoresis, 1995, 16, 1851-1860.	2.4	18
101	Discriminating between cellular and misfolded prion protein by using affinity to 9-aminoacridine compounds. Journal of General Virology, 2007, 88, 1392-1401.	2.9	17
102	Prion protein amyloid and neurodegeneration. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1995, 2, 39-65.	3.0	16
103	Discovering DNA Encodes Heredity and Prions are Infectious Proteins. Annual Review of Genetics, 2006, 40, 25-45.	7.6	16
104	Replication of multiple system atrophy prions in primary astrocyte cultures from transgenic mice expressing human Î±-synuclein. Acta Neuropathologica Communications, 2019, 7, 81.	5.2	15
105	PARTIAL PURIFICATION AND KINETICS OF ?-GLUTAMYL TRANSPEPTIDASE FROM BOVINE CHOROID PLEXUS. Journal of Neurochemistry, 1978, 30, 1253-1259.	3.9	14
106	Nâ€terminally tagged prion protein supports prion propagation in transgenic mice. Protein Science, 1997, 6, 825-833.	7.6	14
107	Prion biology: implications for Alzheimer's disease therapeutics. Lancet Neurology, The, 2020, 19, 802-803.	10.2	13
108	Prion biology and diseases?laughing cannibals, mad cows, and scientific heresy. , 1996, 16, 487-505.		12

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109	Chimeric elk/mouse prion proteins in transgenic mice. Journal of General Virology, 2013, 94, 443-452.	2.9	12
110	The burden of proof in linking AIDS to scrapie. Nature, 1987, 330, 525-526.	27.8	11
111	Scrapie Prions, Brain Amyloid, and Senile Dementia. Current Topics in Cellular Regulation, 1985, 26, 79-95.	9.6	10
112	Acceleration of scrapie in trisomy 16?diploid aggregation chimeras. Annals of Neurology, 1991, 29, 95-97.	5.3	9
113	Discovery of 4-Piperazine Isoquinoline Derivatives as Potent and Brain-Permeable Tau Prion Inhibitors with CDK8 Activity. ACS Medicinal Chemistry Letters, 2020, 11, 127-132.	2.8	9
114	Trans-channel fluorescence learning improves high-content screening for Alzheimerâ€™s disease therapeutics. Nature Machine Intelligence, 2022, 4, 583-595.	16.0	9
115	AIDS virus and scrapie protein genes. Nature, 1987, 325, 581-581.	27.8	8
116	Membrane Populations of Bovine Choroid Plexus: Separation by Density Gradient Centrifugation in Modified Colloidal Silica. Journal of Neurochemistry, 1982, 37, 768-774.	3.9	6
117	Novel Mechanisms of Degeneration of the Central Nervous System â€" Prion Structure and Biology. Novartis Foundation Symposium, 1988, 135, 239-266.	1.1	6
118	Genetic Control of Prion Incubation Period in Mice. Novartis Foundation Symposium, 1988, 135, 84-99.	1.1	5
119	Guinea Pig Prion Protein Supports Rapid Propagation of Bovine Spongiform Encephalopathy and Variant Creutzfeldt-Jakob Disease Prions. Journal of Virology, 2016, 90, 9558-9569.	3.4	3
120	Properties of Scrapie Prion Proteins in Liposomes and Amyloid Rods. Novartis Foundation Symposium, 1988, 135, 182-196.	1.1	3
121	MODULATION OF ?-GLUTAMYL TRANSPEPTIDASE ACTIVITY FROM BOVINE CHOROID PLEXUS. Journal of Neurochemistry, 1978, 30, 1261-1267.	3.9	2
122	Molecular Genetics and Biophysics of Prions.. Uirusu, 1995, 45, 5-42.	0.1	2
123	Developmental Regulation of Prion Protein mRNA in Brain. Novartis Foundation Symposium, 1988, 135, 101-116.	1.1	2
124	Remembering Radoslav Andjus. Annals of the New York Academy of Sciences, 2005, 1048, xv-xvii.	3.8	0
125	Modeling Multiple System Atrophy Prion Propagation in Astrocytes From Transgenic Mice. FASEB Journal, 2018, 32, 819.16.	0.5	0