# 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 | 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 |
| 2 | Trans-channel fluorescence learning improves high-content screening for Alzheimerâ€™s disease therapeutics. Nature Machine Intelligence, 2022, 4, 583-595. | 16.0 | 9 |
| 3 | 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 |
| 4 | Tau aggregates are RNA-protein assemblies that mislocalize multiple nuclear speckle components. Neuron, 2021, 109, 1675-1691.e9. | 8.1 | 111 |
| 5 | Prion biology: implications for Alzheimer's disease therapeutics. Lancet Neurology, The, 2020, 19, 802-803. | 10.2 | 13 |
| 6 | 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 |
| 7 | Expanding spectrum of prion diseases. Emerging Topics in Life Sciences, 2020, 4, 155-167. | 2.6 | 30 |
| 8 | Kinetics of Î±-synuclein prions preceding neuropathological inclusions in multiple system atrophy. PLoS Pathogens, 2020, 16, e1008222. | 4.7 | 21 |
| 9 | 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 |
| 10 | 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 |
| 11 | AÎ² and tau prion-like activities decline with longevity in the Alzheimerâ€™s disease human brain. Science Translational Medicine, 2019, 11, . | 12.4 | 96 |
| 12 | 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 |
| 13 | 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 |
| 14 | A longâ€lived AÎ² oligomer resistant to fibrillization. Biopolymers, 2018, 109, e23096. | 2.4 | 26 |
| 15 | Î²-Amyloid Prions and the Pathobiology of Alzheimerâ€™s Disease. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a023507. | 6.2 | 64 |
| 16 | MSA prions exhibit remarkable stability and resistance to inactivation. Acta Neuropathologica, 2018, 135, 49-63. | 7.7 | 70 |
| 17 | Modeling Multiple System Atrophy Prion Propagation in Astrocytes From Transgenic Mice. FASEB Journal, 2018, 32, 819.16. | 0.5 | 0 |
| 18 | Developing Therapeutics for PrP Prion Diseases. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a023747. | 6.2 | 41 |

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|---|---|---|---|
| 19 | Experimental Models of Inherited PrP Prion Diseases. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a027151. | 6.2 | 27 |
| 20 | A 31-residue peptide induces aggregation of tau's microtubule-binding region in cells. Nature Chemistry, 2017, 9, 874-881. | 13.6 | 67 |
| 21 | Kinetics of Human Mutant Tau Prion Formation in the Brains of 2 Transgenic Mouse Lines. JAMA Neurology, 2017, 74, 1464. | 9.0 | 28 |
| 22 | 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 |
| 23 | 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 |
| 24 | Optimization of Aryl Amides that Extend Survival in Prion-Infected Mice. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 537-547. | 2.5 | 27 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Mechanism of Scrapie Prion Precipitation with Phosphotungstate Anions. ACS Chemical Biology, 2015, 10, 1269-1277. | 3.4 | 33 |
| 29 | Structural Studies of Truncated Forms of the Prion Protein PrP. Biophysical Journal, 2015, 108, 1548-1554. | 0.5 | 25 |
| 30 | Use of a 2-aminothiazole to Treat Chronic Wasting Disease in Transgenic Mice. Journal of Infectious Diseases, 2015, 212, S17-S25. | 4.0 | 19 |
| 31 | Prion Proteinâ€”Antibody Complexes Characterized by Chromatography-Coupled Small-Angle X-Ray Scattering. Biophysical Journal, 2015, 109, 793-805. | 0.5 | 33 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Evidence That Bank Vole PrP Is a Universal Acceptor for Prions. PLoS Pathogens, 2014, 10, e1003990. | 4.7 | 92 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Mouse Models for Studying the Formation and Propagation of Prions. Journal of Biological Chemistry, 2014, 289, 19841-19849. | 3.4 | 83 |
| 39 | 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 |
| 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 | 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 |
| 42 | Biology and Genetics of Prions Causing Neurodegeneration. Annual Review of Genetics, 2013, 47, 601-623. | 7.6 | 384 |
| 43 | Chimeric elk/mouse prion proteins in transgenic mice. Journal of General Virology, 2013, 94, 443-452. | 2.9 | 12 |
| 44 | Quinacrine treatment trial for sporadic Creutzfeldt-Jakob disease. Neurology, 2013, 81, 2015-2023. | 1.1 | 122 |
| 45 | A Unifying Role for Prions in Neurodegenerative Diseases. Science, 2012, 336, 1511-1513. | 12.6 | 457 |
| 46 | Pharmacokinetics of Quinacrine Efflux from Mouse Brain via the P-glycoprotein Efflux Transporter. PLoS ONE, 2012, 7, e39112. | 2.5 | 24 |
| 47 | 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 |
| 48 | 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 |
| 49 | Human prion strain selection in transgenic mice. Annals of Neurology, 2010, 68, 151-161. | 5.3 | 42 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Genes contributing to prion pathogenesis. Journal of General Virology, 2008, 89, 1777-1788. | 2.9 | 116 |

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| 55 | 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 |
| 56 | Discovering DNA Encodes Heredity and Prions are Infectious Proteins. Annual Review of Genetics, 2006, 40, 25-45. | 7.6 | 16 |
| 57 | Remembering Radoslav Andjus. Annals of the New York Academy of Sciences, 2005, 1048, xv-xvii. | 3.8 | 0 |
| 58 | Prion clearance in bigenic mice. Journal of General Virology, 2005, 86, 2913-2923. | 2.9 | 116 |
| 59 | Selective Precipitation of Prions by Polyoxometalate Complexes. Journal of the American Chemical Society, 2005, 127, 13802-13803. | 13.7 | 88 |
| 60 | Early evidence that a protease-resistant protein is an active component of the infectious prion. Cell, 2004, 116, S109. | 28.9 | 21 |
| 61 | HISTORICAL ESSAY: Discovering the Cause of AIDS. Science, 2002, 298, 1726b-1726. | 12.6 | 26 |
| 62 | Conformational propagation with prion-like characteristics in a simple model of protein folding. Protein Science, 2001, 10, 819-835. | 7.6 | 84 |
| 63 | Strain-specified relative conformational stability of the scrapie prion protein. Protein Science, 2001, 10, 854-863. | 7.6 | 239 |
| 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 | Branched Polyamines Cure Prion-Infected Neuroblastoma Cells. Journal of Virology, 2001, 75, 3453-3461. | 3.4 | 213 |
| 66 | Copper binding to octarepeat peptides of the prion protein monitored by mass spectrometry. Protein Science, 2000, 9, 332-343. | 7.6 | 214 |
| 67 | 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 |
| 68 | 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 |
| 69 | Eight prion strains have PrPSc molecules with different conformations. Nature Medicine, 1998, 4, 1157-1165. | 30.7 | 1,178 |
| 70 | Prion Protein Selectively Binds Copper(II) Ionsâ€. Biochemistry, 1998, 37, 7185-7193. | 2.5 | 507 |
| 71 | GENETICS OF PRIONS. Annual Review of Genetics, 1997, 31, 139-175. | 7.6 | 154 |
| 72 | 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 |

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| 73 | Nâ€terminally tagged prion protein supports prion propagation in transgenic mice. Protein Science, 1997, 6, 825-833. | 7.6 | 14 |
| 74 | Prion biology and diseases?laughing cannibals, mad cows, and scientific heresy. , 1996, 16, 487-505. | | 12 |
| 75 | Solidâ€state NMR studies of the prion protein H1 fragment. Protein Science, 1996, 5, 1655-1661. | 7.6 | 84 |
| 76 | 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 |
| 77 | 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 |
| 78 | Prion Protein Transgenes and the Neuropathology in Prion Diseases. Brain Pathology, 1995, 5, 77-89. | 4.1 | 42 |
| 79 | 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 |
| 80 | 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 |
| 81 | 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 |
| 82 | Molecular Genetics and Biophysics of Prions.. Uirusu, 1995, 45, 5-42. | 0.1 | 2 |
| 83 | Detecting prion protein gene mutations by denaturing gradient gel electrophoresis. Human Mutation, 1994, 4, 42-50. | 2.5 | 21 |
| 84 | Human prion diseases. Annals of Neurology, 1994, 35, 385-395. | 5.3 | 295 |
| 85 | The Neurochemistry of Prion Diseases. Journal of Neurochemistry, 1993, 61, 1589-1601. | 3.9 | 43 |
| 86 | Chimeric prion protein expression in cultured cells and transgenic mice. Protein Science, 1992, 1, 986-997. | 7.6 | 248 |
| 87 | Purification and properties of the cellular prion protein from Syrian hamster brain. Protein Science, 1992, 1, 1343-1352. | 7.6 | 183 |
| 88 | Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. Nature, 1992, 356, 577-582. | 27.8 | 1,582 |
| 89 | Linkage of the Indiana kindred of Gerstmann-StrÃussler-Scheinker disease to the prion protein gene. Nature Genetics, 1992, 1, 64-67. | 21.4 | 202 |
| 90 | Mutant prion proteins in Gerstmann-StrÃussler-Scheinker disease with neurofibrillary tangles. Nature Genetics, 1992, 1, 68-71. | 21.4 | 244 |

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| 91 | Molecular Biology and Transgenetics of Prion Diseases. Critical Reviews in Biochemistry and Molecular Biology, 1991, 26, 397-438. | 5.2 | 36 |
| 92 | Prions and prion proteins <sup>1</sup>. FASEB Journal, 1991, 5, 2799-2807. | 0.5 | 132 |
| 93 | Acceleration of scrapie in trisomy 16?diploid aggregation chimeras. Annals of Neurology, 1991, 29, 95-97. | 5.3 | 9 |
| 94 | Non-hydrophobic extracytoplasmic determinant of stop transfer in the prion protein. Nature, 1990, 343, 669-672. | 27.8 | 138 |
| 95 | Transgenetic studies implicate interactions between homologous PrP isoforms in scrapie prion replication. Cell, 1990, 63, 673-686. | 28.9 | 877 |
| 96 | Linkage of a prion protein missense variant to Gerstmannâ€“StrÃussler syndrome. Nature, 1989, 338, 342-345. | 27.8 | 862 |
| 97 | Purification and properties of the cellular and scrapie hamster prion proteins. FEBS Journal, 1988, 176, 21-30. | 0.2 | 311 |
| 98 | Novel Mechanisms of Degeneration of the Central Nervous System â€” Prion Structure and Biology. Novartis Foundation Symposium, 1988, 135, 239-266. | 1.1 | 6 |
| 99 | Developmental Regulation of Prion Protein mRNA in Brain. Novartis Foundation Symposium, 1988, 135, 101-116. | 1.1 | 2 |
| 100 | Genetic Control of Prion Incubation Period in Mice. Novartis Foundation Symposium, 1988, 135, 84-99. | 1.1 | 5 |
| 101 | Properties of Scrapie Prion Proteins in Liposomes and Amyloid Rods. Novartis Foundation Symposium, 1988, 135, 182-196. | 1.1 | 3 |
| 102 | Immunoblotting of Creutzfeldt-Jakob disease prion proteins: Host species?specific epitopes. Annals of Neurology, 1987, 21, 589-595. | 5.3 | 91 |
| 103 | AIDS virus and scrapie protein genes. Nature, 1987, 325, 581-581. | 27.8 | 8 |
| 104 | The burden of proof in linking AIDS to scrapie. Nature, 1987, 330, 525-526. | 27.8 | 11 |
| 105 | H2Histamine Receptors on the Epithelial Cells of Choroid Plexus. Journal of Neurochemistry, 1986, 46, 489-493. | 3.9 | 18 |
| 106 | Linkage of prion protein and scrapie incubation time genes. Cell, 1986, 46, 503-511. | 28.9 | 416 |
| 107 | Prions are novel infectious pathogens causing scrapie and creutzfeldt?Jakob disease. BioEssays, 1986, 5, 281-286. | 2.5 | 32 |
| 108 | Amyloid plaques in Creutzfeldt-Jakob disease stain with prion protein antibodies. Annals of Neurology, 1986, 20, 204-208. | 5.3 | 181 |

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| 109 | Monoclonal Antibodies to the Cellular and Scrapie Prion Proteins. Journal of Infectious Diseases, 1986, 154, 518-521. | 4.0 | 132 |
| 110 | Creutzfeldtâ€“Jakob Disease Prion Proteins in Human Brains. New England Journal of Medicine, 1985, 312, 73-78. | 27.0 | 202 |
| 111 | A cellular gene encodes scrapie PrP 27-30 protein. Cell, 1985, 40, 735-746. | 28.9 | 1,490 |
| 112 | Scrapie Prions, Brain Amyloid, and Senile Dementia. Current Topics in Cellular Regulation, 1985, 26, 79-95. | 9.6 | 10 |
| 113 | Antibodies to a scrapie prion protein. Nature, 1984, 310, 418-421. | 27.8 | 284 |
| 114 | Hormones and Neurotransmitters Control Cyclic AMP Metabolism in Choroid Plexus Epithelial Cells. Journal of Neurochemistry, 1984, 42, 340-350. | 3.9 | 34 |
| 115 | Scrapie prions aggregate to form amyloid-like birefringent rods. Cell, 1983, 35, 349-358. | 28.9 | 1,067 |
| 116 | Measurement of the scrapie agent using an incubation time interval assay. Annals of Neurology, 1982, 11, 353-358. | 5.3 | 343 |
| 117 | Kuru with incubation periods exceeding two decades. Annals of Neurology, 1982, 12, 1-9. | 5.3 | 69 |
| 118 | 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 |
| 119 | Culture and Characterization of Epithelial Cells from Bovine Choroid Plexus. Journal of Neurochemistry, 1981, 37, 845-854. | 3.9 | 63 |
| 120 | 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 |
| 121 | Experimental Scrapie in the Mouse: Electrophoretic and Sedimentation Properties of the Partially Purified Agent. Journal of Neurochemistry, 1980, 35, 574-582. | 3.9 | 35 |
| 122 | PARTIAL PURIFICATION AND KINETICS OF ?-GLUTAMYL TRANSPEPTIDASE FROM BOVINE CHOROID PLEXUS. Journal of Neurochemistry, 1978, 30, 1253-1259. | 3.9 | 14 |
| 123 | MODULATION OF ?-GLUTAMYL TRANSPEPTIDASE ACTIVITY FROM BOVINE CHOROID PLEXUS. Journal of Neurochemistry, 1978, 30, 1261-1267. | 3.9 | 2 |
| 124 | Experimental scrapie in mice: Ultrastructural observations. Annals of Neurology, 1978, 4, 205-211. | 5.3 | 53 |
| 125 | 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 |