Adriano Aguzzi

List of Publications by Year
in descending order

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441 papers	42,024 citations	1799 103 h-index	3034 188 g-index
509 all docs	509 docs citations	509 times ranked	34510 citing authors

#	Article	IF	Citations
1	Mice devoid of PrP are resistant to scrapie. Cell, 1993, 73, 1339-1347.	28.9	1,989
2	Essential role for the c-met receptor in the migration of myogenic precursor cells into the limb bud. Nature, 1995, 376, 768-771.	27.8	1,202
3	An Analytical Solution to the Kinetics of Breakable Filament Assembly. Science, 2009, 326, 1533-1537.	12.6	970
4	Normal host prion protein necessary for scrapie-induced neurotoxicity. Nature, 1996, 379, 339-343.	27.8	756
5	Microglia: Scapegoat, Saboteur, or Something Else?. Science, 2013, 339, 156-161.	12.6	726
6	Experimental autoimmune encephalomyelitis repressed by microglial paralysis. Nature Medicine, 2005, 11, 146-152.	30.7	667
7	The adaptor ASC has extracellular and 'prionoid' activities that propagate inflammation. Nature Immunology, 2014, 15, 727-737.	14.5	651
8	Protein aggregation diseases: pathogenicity and therapeutic perspectives. Nature Reviews Drug Discovery, 2010, 9, 237-248.	46.4	639
9	p62 Is a Common Component of Cytoplasmic Inclusions in Protein Aggregation Diseases. American Journal of Pathology, 2002, 160, 255-263.	3.8	550
10	Mammalian Prion Biology. Cell, 2004, 116, 313-327.	28.9	531
11	c-Jun is essential for normal mouse development and hepatogenesis. Nature, 1993, 365, 179-181.	27.8	522
12	Expression of Amino-Terminally Truncated PrP in the Mouse Leading to Ataxia and Specific Cerebellar Lesions. Cell, 1998, 93, 203-214.	28.9	506
13	A crucial role for B cells in neuroinvasive scrapie. Nature, 1997, 390, 687-690.	27.8	484
14	The lack of chromosomal protein Hmg1 does not disrupt cell growth but causes lethal hypoglycaemia in newborn mice. Nature Genetics, 1999, 22, 276-280.	21.4	476
15	Prions: Protein Aggregation and Infectious Diseases. Physiological Reviews, 2009, 89, 1105-1152.	28.8	443
16	The AP-1 Transcription Factor c-Jun Is Required for Efficient Axonal Regeneration. Neuron, 2004, 43, 57-67.	8.1	429
17	Lymphoid follicle destruction and immunosuppression after repeated CpG oligodeoxynucleotide administration. Nature Medicine, 2004, 10, 187-192.	30.7	417
18	The Transcellular Spread of Cytosolic Amyloids, Prions, and Prionoids. Neuron, 2009, 64, 783-790.	8.1	414

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19	Benzodiazepine-insensitive mice generated by targeted disruption of the gamma 2 subunit gene of gamma-aminobutyric acid type A receptors.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7749-7753.	7.1	403
20	Genetic prion disease: the EUROCJD experience. Human Genetics, 2005, 118, 166-174.	3.8	391
21	Formation and maintenance of Alzheimer's disease Î²-amyloid plaques in the absence of microglia. Nature Neuroscience, 2009, 12, 1361-1363.	14.8	390
22	The Prion's Elusive Reason for Being. Annual Review of Neuroscience, 2008, 31, 439-477.	10.7	379
23	Neuropathological Diagnostic Criteria for Creutzfeldtâ€Jakob Disease (CJD) and Other Human Spongiform Encephalopathies (Prion Diseases). Brain Pathology, 1995, 5, 459-466.	4.1	378
24	Axonal prion protein is required for peripheral myelin maintenance. Nature Neuroscience, 2010, 13, 310-318.	14.8	357
25	Hypermyelination and demyelinating peripheral neuropathy in Pmp22-deficient mice. Nature Genetics, 1995, 11, 274-280.	21.4	347
26	A Lymphotoxin-Driven Pathway to Hepatocellular Carcinoma. Cancer Cell, 2009, 16, 295-308.	16.8	345
27	Impaired Prion Replication in Spleens of Mice Lacking Functional Follicular Dendritic Cells. Science, 2000, 288, 1257-1259.	12.6	341
28	Prevention of Scrapie Pathogenesis by Transgenic Expression of Anti-Prion Protein Antibodies. Science, 2001, 294, 178-182.	12.6	334
29	Follicular Dendritic Cells Emerge from Ubiquitous Perivascular Precursors. Cell, 2012, 150, 194-206.	28.9	329
30	Systemic and mucosal antibody responses specific to SARS-CoV-2 during mild versus severe COVID-19. Journal of Allergy and Clinical Immunology, 2021, 147, 545-557.e9.	2.9	316
31	Molecular Mechanisms of Prion Pathogenesis. Annual Review of Pathology: Mechanisms of Disease, 2008, 3, 11-40.	22.4	311
32	The absence of c-fos prevents light-induced apoptotic cell death of photoreceptors in retinal degeneration in vivo. Nature Medicine, 1997, 3, 346-349.	30.7	301
33	Complement facilitates early prion pathogenesis. Nature Medicine, 2001, 7, 488-492.	30.7	301
34	Extraneural Pathologic Prion Protein in Sporadic Creutzfeldtâ€“Jakob Disease. New England Journal of Medicine, 2003, 349, 1812-1820.	27.0	299
35	Phase Separation: Linking Cellular Compartmentalization to Disease. Trends in Cell Biology, 2016, 26, 547-558.	7.9	291
36	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

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37	Insights into prion strains and neurotoxicity. Nature Reviews Molecular Cell Biology, 2007, 8, 552-561.	37.0	288
38	Measles Virus Spread and Pathogenesis in Genetically Modified Mice. Journal of Virology, 1998, 72, 7420-7427.	3.4	279
39	Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. Nature Genetics, 2013, 45, 1077-1082.	21.4	273
40	Prion strain discrimination using luminescent conjugated polymers. Nature Methods, 2007, 4, 1023-1030.	19.0	261
41	Endothelial CCR2 Signaling Induced by Colon Carcinoma Cells Enables Extravasation via the JAK2-Stat5 and p38MAPK Pathway. Cancer Cell, 2012, 22, 91-105.	16.8	256
42	The Complex PrP^c-Fyn Couples Human Oligomeric AÎ² with Pathological Tau Changes in Alzheimer's Disease. Journal of Neuroscience, 2012, 32, 16857-16871.	3.6	254
43	PrP expression in B lymphocytes is not required for prion neuroinvasion. Nature Medicine, 1998, 4, 1429-1433.	30.7	253
44	Prion Protein Devoid of the Octapeptide Repeat Region Restores Susceptibility to Scrapie in PrP Knockout Mice. Neuron, 2000, 27, 399-408.	8.1	252
45	Endothelioma cells expressing the polyoma middle T oncogene induce hemangiomas by host cell recruitment. Cell, 1989, 57, 1053-1063.	28.9	251
46	PrP-expressing tissue required for transfer of scrapie infectivity from spleen to brain. Nature, 1997, 389, 69-73.	27.8	251
47	Induction of cerebral Î²-amyloidosis: Intracerebral versus systemic AÎ² inoculation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12926-12931.	7.1	249
48	A matrix-less measles virus is infectious and elicits extensive cell fusion: consequences for propagation in the brain. EMBO Journal, 1998, 17, 3899-3908.	7.8	245
49	Impaired Differentiation of Schwann Cells in Transgenic Mice with IncreasedPMP22Gene Dosage. Journal of Neuroscience, 1996, 16, 5351-5360.	3.6	234
50	Prion protein and AÎ²â€related synaptic toxicity impairment. EMBO Molecular Medicine, 2010, 2, 306-314.	6.9	234
51	High Prion and PrPSc Levels but Delayed Onset of Disease in Scrapie-Inoculated Mice Heterozygous for a Disrupted PrP Gene. Molecular Medicine, 1994, 1, 19-30.	4.4	226
52	Disseminated and sustained HIV infection in CD34+ cord blood cell-transplanted Rag2-/-Âc-/- mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15951-15956.	7.1	224
53	Sympathetic Innervation of Lymphoreticular Organs Is Rate Limiting for Prion Neuroinvasion. Neuron, 2001, 31, 25-34.	8.1	223
54	Games Played by Rogue Proteins in Prion Disorders and Alzheimer's Disease. Science, 2003, 302, 814-818.	12.6	220

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55	Prions, prionoids and protein misfolding disorders. Nature Reviews Genetics, 2018, 19, 405-418.	16.3	218
56	Prion research: the next frontiers. Nature, 1997, 389, 795-798.	27.8	213
57	Binding of disease-associated prion protein to plasminogen. Nature, 2000, 408, 479-483.	27.8	211
58	Microglial repopulation model reveals a robust homeostatic process for replacing CNS myeloid cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18150-18155.	7.1	210
59	Transepithelial prion transport by M cells. Nature Medicine, 2001, 7, 976-977.	30.7	209
60	Lethal recessive myelin toxicity of prion protein lacking its central domain. EMBO Journal, 2007, 26, 538-547.	7.8	202
61	Positioning of follicular dendritic cells within the spleen controls prion neuroinvasion. Nature, 2003, 425, 957-962.	27.8	195
62	Coexistence of multiple PrPSc types in individuals with Creutzfeldt-Jakob disease. Lancet Neurology, The, 2005, 4, 805-814.	10.2	192
63	Pathogenesis of prion diseases: current status and future outlook. Nature Reviews Microbiology, 2006, 4, 765-775.	28.6	192
64	The toxicity of antiprion antibodies is mediated by the flexible tail of the prion protein. Nature, 2013, 501, 102-106.	27.8	191
65	The biological function of the cellular prion protein: an update. BMC Biology, 2017, 15, 34.	3.8	190
66	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
67	Chronic Lymphocytic Inflammation Specifies the Organ Tropism of Prions. Science, 2005, 307, 1107-1110.	12.6	183
68	IL-6 is required for glioma development in a mouse model. Oncogene, 2004, 23, 3308-3316.	5.9	177
69	The mesoSPIM initiative: open-source light-sheet microscopes for imaging cleared tissue. Nature Methods, 2019, 16, 1105-1108.	19.0	174
70	Coincident Scrapie Infection and Nephritis Lead to Urinary Prion Excretion. Science, 2005, 310, 324-326.	12.6	171
71	The prion protein is an agonistic ligand of the G protein-coupled receptor Adgrg6. Nature, 2016, 536, 464-468.	27.8	169
72	Beyond the prion principle. Nature, 2009, 459, 924-925.	27.8	168

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73	Quantitative and Integrative Proteome Analysis of Peripheral Nerve Myelin Identifies Novel Myelin Proteins and Candidate Neuropathy Loci. Journal of Neuroscience, 2011, 31, 16369-16386.	3.6	164
74	The POM Monoclonals: A Comprehensive Set of Antibodies to Non-Overlapping Prion Protein Epitopes. PLoS ONE, 2008, 3, e3872.	2.5	162
75	Follicular dendritic cells control engulfment of apoptotic bodies by secreting Mfge8. Journal of Experimental Medicine, 2008, 205, 1293-1302.	8.5	157
76	Porphobilinogen deaminase deficiency in mice causes a neuropathy resembling that of human hepatic porphyria. Nature Genetics, 1996, 12, 195-199.	21.4	156
77	Development and malignant progression of astrocytomas in GFAP-v-src transgenic mice. Oncogene, 1997, 14, 2005-2013.	5.9	155
78	An essential function for NBS1 in the prevention of ataxia and cerebellar defects. Nature Medicine, 2005, 11, 538-544.	30.7	155
79	Human Toll-like receptor 2 mediates induction of the antimicrobial peptide human beta-defensin 2 in response to bacterial lipoprotein. European Journal of Immunology, 2001, 31, 3131-3137.	2.9	153
80	Absence of the prion protein homologue Doppel causes male sterility. EMBO Journal, 2002, 21, 3652-3658.	7.8	145
81	Genetic ablation of the tumor suppressor menin causes lethality at mid-gestation with defects in multiple organs. Mechanisms of Development, 2003, 120, 549-560.	1.7	145
82	The Prion Protein Knockout Mouse. Prion, 2007, 1, 83-93.	1.8	144
83	PrPSc in mammary glands of sheep affected by scrapie and mastitis. Nature Medicine, 2005, 11, 1137-1138.	30.7	142
84	Prions: health scare and biological challenge. Nature Reviews Molecular Cell Biology, 2001, 2, 118-126.	37.0	137
85	Cerebrospinal fluid biomarker supported diagnosis of Creutzfeldtâ€“Jakob disease and rapid dementias: a longitudinal multicentre study over 10 years. Brain, 2012, 135, 3051-3061.	7.6	135
86	A versatile prion replication assay in organotypic brain slices. Nature Neuroscience, 2008, 11, 109-117.	14.8	133
87	Follicular dendritic cells: origin, phenotype, and function in health and disease. Trends in Immunology, 2014, 35, 105-113.	6.8	133
88	The Amyloidâ€“Congo Red Interface at Atomic Resolution. Angewandte Chemie - International Edition, 2011, 50, 5956-5960.	13.8	132
89	Structure-based drug design identifies polythiophenes as antiprion compounds. Science Translational Medicine, 2015, 7, 299ra123.	12.4	130
90	Lymph nodal prion replication and neuroinvasion in mice devoid of follicular dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 919-924.	7.1	129

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91	Soluble Dimeric Prion Protein Binds PrPSc In Vivo and Antagonizes Prion Disease. Cell, 2003, 113, 49-60.	28.9	129
92	The immunobiology of prion diseases. Nature Reviews Immunology, 2013, 13, 888-902.	22.7	127
93	A neuroprotective role for microglia in prion diseases. Journal of Experimental Medicine, 2016, 213, 1047-1059.	8.5	127
94	Triggering TLR7 in mice induces immune activation and lymphoid system disruption, resembling HIV-mediated pathology. Blood, 2009, 113, 377-388.	1.4	126
95	Oral Prion Infection Requires Normal Numbers of Peyer's Patches but Not of Enteric Lymphocytes. American Journal of Pathology, 2003, 162, 1103-1111.	3.8	125
96	A molecular switch controls interspecies prion disease transmission in mice. Journal of Clinical Investigation, 2010, 120, 2590-2599.	8.2	124
97	Distal axonopathy in peripheral nerves of PMP22-mutant mice. Brain, 1999, 122, 1563-1577.	7.6	121
98	PrPC expression in the peripheral nervous system is a determinant of prion neuroinvasion. Journal of General Virology, 2000, 81, 2813-2821.	2.9	121
99	Engulfment of cerebral apoptotic bodies controls the course of prion disease in a mouse strainâ€“dependent manner. Journal of Experimental Medicine, 2010, 207, 2271-2281.	8.5	115
100	Human Prion Diseases. Archives of Neurology, 2005, 62, 545.	4.5	113
101	Cell Biology of Prions and Prionoids: A Status Report. Trends in Cell Biology, 2016, 26, 40-51.	7.9	113
102	Cloning and Complete Primary Structure of the Mouse Laminin Î±3 Chain. Journal of Biological Chemistry, 1995, 270, 21820-21826.	3.4	111
103	Developmental Expression of Nicein Adhesion Protein (Laminin-5) Subunits Suggests Multiple Morphogenic Roles. Cell Adhesion and Communication, 1994, 2, 115-129.	1.7	109
104	Humoral immune response to native eukaryotic prion protein correlates with anti-prion protection. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14670-14676.	7.1	105
105	Prion propagation, toxicity and degradation. Nature Neuroscience, 2012, 15, 936-939.	14.8	105
106	Hypersensitivity to seizures in Î²-amyloid precursor protein deficient mice. Cell Death and Differentiation, 1998, 5, 858-866.	11.2	104
107	Tissue Handling in Suspected Creutzfeldtâ€Jakob Disease (CJD) and Other Human Spongiform Encephalopathies (Prion Diseases). Brain Pathology, 1995, 5, 319-322.	4.1	103
108	Prion diseases of humans and farm animals: epidemiology, genetics, and pathogenesis. Journal of Neurochemistry, 2006, 97, 1726-1739.	3.9	102

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109	The Strain-Encoded Relationship between PrPSc Replication, Stability and Processing in Neurons is Predictive of the Incubation Period of Disease. PLoS Pathogens, 2011, 7, e1001317.	4.7	102
110	Olfactory behavior and physiology are disrupted in prion protein knockout mice. Nature Neuroscience, 2009, 12, 60-69.	14.8	101
111	Strictly co-isogenic C57BL/6J-Prnpâ^'/â^' mice: A rigorous resource for prion science. Journal of Experimental Medicine, 2016, 213, 313-327.	8.5	98
112	No Superoxide Dismutase Activity of Cellular Prion Protein in vivo. Biological Chemistry, 2003, 384, 1279-85.	2.5	97
113	Astrocyte Depletion Impairs Redox Homeostasis and Triggers Neuronal Loss in the Adult CNS. Cell Reports, 2015, 12, 1377-1384.	6.4	92
114	Intracerebral endotheliitis and microbleeds are neuropathological features of COVIDâ€19. Neuropathology and Applied Neurobiology, 2021, 47, 454-459.	3.2	92
115	Prions and the Immune System: A Journey Through Gut, Spleen, and Nerves. Advances in Immunology, 2003, 81, 123-171.	2.2	91
116	Analysis of Prion Strains by PrPSc Profiling in Sporadic Creutzfeldtâ€"Jakob Disease. PLoS Medicine, 2005, 3, e14.	8.4	90
117	Enhanced susceptibility ofPrnp-deficient mice to kainate-induced seizures, neuronal apoptosis, and death: Role of AMPA/kainate receptors. Journal of Neuroscience Research, 2007, 85, 2741-2755.	2.9	89
118	Globular Domain of the Prion Protein Needs to Be Unlocked by Domain Swapping to Support Prion Protein Conversion. Journal of Biological Chemistry, 2011, 286, 12149-12156.	3.4	89
119	Microglia in prion diseases. Journal of Clinical Investigation, 2017, 127, 3230-3239.	8.2	89
120	Amyloid-Î² pathology and cerebral amyloid angiopathy are frequent in iatrogenic Creutzfeldt-Jakob disease after dural grafting. Swiss Medical Weekly, 2016, 146, w14287.	1.6	89
121	NEUROBIOLOGY:PrP's Double Causes Trouble. Science, 1999, 286, 914-915.	12.6	88
122	NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. Free Radical Biology and Medicine, 2017, 112, 387-396.	2.9	88
123	Approaches to Therapy of Prion Diseases. Annual Review of Medicine, 2005, 56, 321-344.	12.2	87
124	Inflammatory olfactory neuropathy in two patients with COVID-19. Lancet, The, 2020, 396, 166.	13.7	86
125	Pericytes regulate vascular immune homeostasis in the CNS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	86
126	PrP-dependent association of prions with splenic but not circulating lymphocytes of scrapie-infected mice. EMBO Journal, 1999, 18, 2702-2706.	7.8	85

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127	Incidence of Creutzfeldt-Jakob disease in Switzerland. Lancet, The, 2002, 360, 139-141.	13.7	84
128	Structural Typing of Systemic Amyloidoses by Luminescent-Conjugated Polymer Spectroscopy. American Journal of Pathology, 2010, 176, 563-574.	3.8	84
129	A suspicious signature. Nature, 1996, 383, 666-667.	27.8	82
130	Chronic Subclinical Prion Disease Induced by Low-Dose Inoculum. Journal of Virology, 2002, 76, 2510-2517.	3.4	82
131	The prion gene is associated with human long-term memory. Human Molecular Genetics, 2005, 14, 2241-2246.	2.9	82
132	Early and Rapid Engraftment of Bone Marrow-Derived Microglia in Scrapie. Journal of Neuroscience, 2006, 26, 11753-11762.	3.6	82
133	Truncated Prion Protein and Doppel Are Myelinotoxic in the Absence of Oligodendrocytic PrPC. Journal of Neuroscience, 2005, 25, 4879-4888.	3.6	81
134	Prions, prionoids and pathogenic proteins in Alzheimer disease. Prion, 2013, 7, 55-59.	1.8	81
135	Scrapie Pathogenesis in Subclinically Infected B-Cell-Deficient Mice. Journal of Virology, 1999, 73, 9584-9588.	3.4	80
136	Plasminogen binds to disease-associated prion protein of multiple species. Lancet, The, 2001, 357, 2026-2028.	13.7	79
137	Microglial ablation and lipopolysaccharide preconditioning affects pilocarpine-induced seizures in mice. Neurobiology of Disease, 2010, 39, 85-97.	4.4	79
138	Late Glial Swelling after Acute Cerebral Hypoxia-Ischemia in the Neonatal Rat: A Combined Magnetic Resonance and Histochemical Study. Pediatric Research, 1997, 42, 54-59.	2.3	79
139	Similar Turnover and Shedding of the Cellular Prion Protein in Primary Lymphoid and Neuronal Cells. Journal of Biological Chemistry, 2001, 276, 44627-44632.	3.4	78
140	Cerebrospinal fluid biomarkers in human genetic transmissible spongiform encephalopathies. Journal of Neurology, 2009, 256, 1620-1628.	3.6	77
141	Interventional strategies against prion diseases. Nature Reviews Neuroscience, 2001, 2, 745-749.	10.2	76
142	Prion Infections and Anti-PrP Antibodies Trigger Converging Neurotoxic Pathways. PLoS Pathogens, 2015, 11, e1004662.	4.7	76
143	Small is not beautiful: antagonizing functions for the prion protein PrPC and its homologue Dpl. Trends in Neurosciences, 2002, 25, 150-154.	8.6	75
144	Strain Fidelity of Chronic Wasting Disease upon Murine Adaptation. Journal of Virology, 2006, 80, 12303-12311.	3.4	74

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145	Chronic wasting disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 610-618.	3.8	74
146	Paracrine Inhibition of Prion Propagation by Anti-PrP Single-Chain Fv Miniantibodies. Journal of Virology, 2005, 79, 8330-8338.	3.4	73
147	Prion pathogenesis in the absence of Tollâ€like receptor signalling. EMBO Reports, 2003, 4, 195-199.	4.5	72
148	Neuro-immune connection in spread of prions in the body?. Lancet, The, 1997, 349, 742-743.	13.7	71
149	Prion Pathogenesis Is Faithfully Reproduced in Cerebellar Organotypic Slice Cultures. PLoS Pathogens, 2012, 8, e1002985.	4.7	71
150	Tissue-specific expression of a FMR1/Î²-galactosidase fusion gene in transgenic mice. Human Molecular Genetics, 1995, 4, 359-366.	2.9	70
151	Transient Production of TGFâ€Î²₂ by Postnatal Cerebellar Neurons and its Effect on Neuroblast Proliferation. European Journal of Neuroscience, 1994, 6, 766-778.	2.6	69
152	A Highly Sensitive Immunofluorescence Procedure for Analyzing the Subcellular Distribution of GABAA Receptor Subunits in the Human Brain. Journal of Histochemistry and Cytochemistry, 1998, 46, 1129-1139.	2.5	69
153	Unraveling prion strains with cell biology and organic chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11-12.	7.1	69
154	The Comprehensive Native Interactome of a Fully Functional Tagged Prion Protein. PLoS ONE, 2009, 4, e4446.	2.5	69
155	Biphasic Edema after Hypoxic-Ischemic Brain Injury in Neonatal Rats Reflects Early Neuronal and Late Glial Damage. Pediatric Research, 1999, 46, 297-304.	2.3	69
156	Ablation of Dicer from Murine Schwann Cells Increases Their Proliferation while Blocking Myelination. PLoS ONE, 2010, 5, e12450.	2.5	69
157	The prion organotypic slice culture assayâ€"POSCA. Nature Protocols, 2008, 3, 555-562.	12.0	68
158	Efficient Lymphoreticular Prion Propagation Requires PrP c in Stromal and Hematopoietic Cells. Journal of Virology, 2001, 75, 7097-7106.	3.4	67
159	The role of calorie restriction and SIRT1 in prion-mediated neurodegeneration. Experimental Gerontology, 2008, 43, 1086-1093.	2.8	67
160	SIRPÎ± polymorphisms, but not the prion protein, control phagocytosis of apoptotic cells. Journal of Experimental Medicine, 2013, 210, 2539-2552.	8.5	67
161	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
162	Expression of truncated PrP targeted to Purkinje cells of PrP knockout mice causes Purkinje cell death and ataxia. EMBO Journal, 2003, 22, 3095-3101.	7.8	66

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163	Antiprion immunotherapy: to suppress or to stimulate?. Nature Reviews Immunology, 2004, 4, 725-736.	22.7	66
164	Stromal Complement Receptor CD21/35 Facilitates Lymphoid Prion Colonization and Pathogenesis. Journal of Immunology, 2007, 179, 6144-6152.	0.8	66
165	Molecular genetic analysis of glucocorticoid signaling during mouse development. Steroids, 1995, 60, 93-96.	1.8	65
166	Scaling behaviour and rate-determining steps in filamentous self-assembly. Chemical Science, 2017, 8, 7087-7097.	7.4	65
167	Structural Basis of Prion Inhibition by Phenothiazine Compounds. Structure, 2014, 22, 291-303.	3.3	63
168	Toward Therapy of Human Prion Diseases. Annual Review of Pharmacology and Toxicology, 2018, 58, 331-351.	9.4	63
169	Human prion diseases: epidemiology and integrated risk assessment. Lancet Neurology, The, 2003, 2, 757-763.	10.2	62
170	Circumventing Tolerance to the Prion Protein (PrP): Vaccination with PrP-Displaying Retrovirus Particles Induces Humoral Immune Responses against the Native Form of Cellular PrP. Journal of Virology, 2005, 79, 4033-4042.	3.4	62
171	Heat shock factor 1 regulates lifespan as distinct from disease onset in prion disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13626-13631.	7.1	62
172	Aerosols Transmit Prions to Immunocompetent and Immunodeficient Mice. PLoS Pathogens, 2011, 7, e1001257.	4.7	62
173	Unhampered Prion Neuroinvasion despite Impaired Fast Axonal Transport in Transgenic Mice Overexpressing Four-Repeat Tau. Journal of Neuroscience, 2002, 22, 7471-7477.	3.6	61
174	Experimental Verification of a Traceback Phenomenon in Prion Infection. Journal of Virology, 2010, 84, 3230-3238.	3.4	61
175	Dangerous Liaisons between a Microbe and the Prion Protein. Journal of Experimental Medicine, 2003, 198, 1-4.	8.5	59
176	Transgenic and Knockâ€out Mice: Models of Neurological Disease. Brain Pathology, 1994, 4, 3-20.	4.1	59
177	Polythiophenes Inhibit Prion Propagation by Stabilizing Prion Protein (PrP) Aggregates. Journal of Biological Chemistry, 2012, 287, 18872-18887.	3.4	58
178	Bovine spongiform encephalopathy and early onset variant Creutzfeldtâ€"Jakob disease. Current Opinion in Neurobiology, 1997, 7, 695-700.	4.2	57
179	Normal neurogenesis and scrapie pathogenesis in neural grafts lacking the prion protein homologue Doppel. EMBO Reports, 2001, 2, 347-352.	4.5	57
180	The Role of the NADPH Oxidase NOX2 in Prion Pathogenesis. PLoS Pathogens, 2014, 10, e1004531.	4.7	57

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181	Early Induction of Angiogenetic Signals in Gliomas of GFAP-v-src Transgenic Mice. American Journal of Pathology, 1999, 154, 581-590.	3.8	56
182	Unchanged Survival Rates of 14-3-3Î³ Knockout Mice after Inoculation with Pathological Prion Protein. Molecular and Cellular Biology, 2005, 25, 1339-1346.	2.3	56
183	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
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