Ruben Vidal

List of Publications by Year
in descending order

87 papers	6,899 citations	87888 38 h-index	64796 79 g-index
103 all docs	103 docs citations	103 times ranked	5517 citing authors

#	Article	IF	Citations
1	Structures of filaments from Pickâ€™s disease reveal a novel tau protein fold. Nature, 2018, 561, 137-140.	27.8	625
2	Novel tau filament fold in chronic traumatic encephalopathy encloses hydrophobic molecules. Nature, 2019, 568, 420-423.	27.8	528
3	A stop-codon mutation in the BRI gene associated with familial British dementia. Nature, 1999, 399, 776-781.	27.8	467
4	Structure-based classification of tauopathies. Nature, 2021, 598, 359-363.	27.8	409
5	Novel tau filament fold in corticobasal degeneration. Nature, 2020, 580, 283-287.	27.8	381
6	Iron deficiency drives an autosomal dominant hypophosphatemic rickets (ADHR) phenotype in fibroblast growth factor-23 (Fgf23) knock-in mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1146-55.	7.1	318
7	A decamer duplication in the 3â€² region of the BRI gene originates an amyloid peptide that is associated with dementia in a Danish kindred. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4920-4925.	7.1	289
8	Tau filaments from multiple cases of sporadic and inherited Alzheimerâ€™s disease adopt a common fold. Acta Neuropathologica, 2018, 136, 699-708.	7.7	252
9	Cryo-EM structures of amyloid-Î² 42 filaments from human brains. Science, 2022, 375, 167-172.	12.6	228
10	Lipidation of apolipoprotein E influences its isoform-specific interaction with Alzheimer's amyloid Î² peptides. Biochemical Journal, 2000, 348, 359-365.	3.7	219
11	Endogenous Proteolytic Cleavage of Normal and Disease-Associated Isoforms of the Human Prion Protein in Neural and Non-Neural Tissues. American Journal of Pathology, 1998, 153, 1561-1572.	3.8	165
12	Intracellular Ferritin Accumulation in Neural and Extraneural Tissue Characterizes a Neurodegenerative Disease Associated with a Mutation in theFerritin Light PolypeptideGene. Journal of Neuropathology and Experimental Neurology, 2004, 63, 363-380.	1.7	149
13	Amino-Terminally Truncated AÎ² Peptide Species Are the Main Component of Cotton Wool Plaques. Biochemistry, 2005, 44, 10810-10821.	2.5	131
14	Regional Distribution of Amyloid-Bri Deposition and Its Association with Neurofibrillary Degeneration in Familial British Dementia. American Journal of Pathology, 2001, 158, 515-526.	3.8	127
15	Familial Danish Dementia: A Novel Form of Cerebral Amyloidosis Associated with Deposition of Both Amyloid-Dan and Amyloid-Beta. Journal of Neuropathology and Experimental Neurology, 2002, 61, 254-267.	1.7	116
16	Expression of a Mutant Form of the Ferritin Light Chain Gene Induces Neurodegeneration and Iron Overload in Transgenic Mice. Journal of Neuroscience, 2008, 28, 60-67.	3.6	115
17	Cryo-EM structures of tau filaments from Alzheimerâ€™s disease with PET ligand APN-1607. Acta Neuropathologica, 2021, 141, 697-708.	7.7	99
18	Iron, Ferritin, Hereditary Ferritinopathy, and Neurodegeneration. Frontiers in Neuroscience, 2019, 13, 1195.	2.8	95

#	Article	IF	Citations
19	Amyloid and Nonfibrillar Deposits in Mice Transgenic for Wild-Type Human Transthyretin: A Possible Model for Senile Systemic Amyloidosis. Laboratory Investigation, 2001, 81, 385-396.	3.7	90
20	Age-dependent formation of TMEM106B amyloid filaments in human brains. Nature, 2022, 605, 310-314.	27.8	88
21	PRP27â€“30Is a Normal Soluble Prion Protein Fragment Released by Human Platelets. Biochemical and Biophysical Research Communications, 1996, 223, 572-577.	2.1	86
22	Lipidation of apolipoprotein E influences its isoform-specific interaction with Alzheimerâ€™s amyloid Î² peptides. Biochemical Journal, 2000, 348, 359.	3.7	78
23	Senile dementia associated with amyloid Î² protein angiopathy and tau perivascular pathology but not neuritic plaques in patients homozygous for the APOE-Îµ4 allele. Acta Neuropathologica, 2000, 100, 1-12.	7.7	74
24	Systemic Amyloid Deposits in Familial British Dementia. Journal of Biological Chemistry, 2001, 276, 43909-43914.	3.4	73
25	Abnormal iron metabolism and oxidative stress in mice expressing a mutant form of the ferritin light polypeptide gene. Journal of Neurochemistry, 2009, 109, 1067-1078.	3.9	66
26	Kappa light chain-associated Fanconi's syndrome: molecular analysis of monoclonal immunoglobulin light chains from patients with and without intracellular crystals. Protein Engineering, Design and Selection, 1999, 12, 363-369.	2.1	58
27	Histopathological and molecular heterogeneity among individuals with dementia associated with Presenilin mutations. Molecular Neurodegeneration, 2008, 3, 20.	10.8	55
28	Memory Deficits Due to Familial British DementiaBRI2Mutation Are Caused by Loss ofBRI2Function Rather than Amyloidosis. Journal of Neuroscience, 2010, 30, 14915-14924.	3.6	52
29	Sequence, genomic structure and tissue expression of Human BRI 3 , a member of the BRI gene family. Gene, 2001, 266, 95-102.	2.2	50
30	Axonal transport of British and Danish amyloid peptides via secretory vesicles. FASEB Journal, 2004, 18, 1-18.	0.5	48
31	Abnormal iron homeostasis and neurodegeneration. Frontiers in Aging Neuroscience, 2013, 5, 32.	3.4	48
32	Evidence for lymphatic AÎ² clearance in Alzheimer's transgenic mice. Neurobiology of Disease, 2014, 71, 215-219.	4.4	48
33	Cerebral Amyloid Angiopathy and Parenchymal Amyloid Deposition in Transgenic Mice Expressing the Danish Mutant Form of Human BRI₂. Brain Pathology, 2009, 19, 58-68.	4.1	47
34	Systemic and Cerebral Iron Homeostasis in Ferritin Knock-Out Mice. PLoS ONE, 2015, 10, e0117435.	2.5	46
35	Modeling familial British and Danish dementia. Brain Structure and Function, 2010, 214, 235-244.	2.3	45
36	Structure of Tau filaments in Prion protein amyloidoses. Acta Neuropathologica, 2021, 142, 227-241.	7.7	45

#	Article	IF	Citations
37	Iron-mediated Aggregation and a Localized Structural Change Characterize Ferritin from a Mutant Light Chain Polypeptide That Causes Neurodegeneration. Journal of Biological Chemistry, 2008, 283, 31679-31689.	3.4	44
38	Unraveling of the E-helices and Disruption of 4-Fold Pores Are Associated with Iron Mishandling in a Mutant Ferritin Causing Neurodegeneration. Journal of Biological Chemistry, 2010, 285, 1950-1956.	3.4	44
39	Accumulation of oxidative DNA damage in brain mitochondria in mouse model of hereditary ferritinopathy. Neuroscience Letters, 2010, 479, 44-48.	2.1	41
40	A mutant light-chain ferritin that causes neurodegeneration has enhanced propensity toward oxidative damage. Free Radical Biology and Medicine, 2012, 52, 1692-1697.	2.9	38
41	Melatonin Treatment Enhances AÎ² Lymphatic Clearance in a Transgenic Mouse Model of Amyloidosis. Current Alzheimer Research, 2018, 15, 637-642.	1.4	38
42	A1 reactive astrocytes and a loss of TREM2 are associated with an early stage of pathology in a mouse model of cerebral amyloid angiopathy. Journal of Neuroinflammation, 2020, 17, 223.	7.2	36
43	Fibrillary glomerulonephritis related to serum fibrillar immunoglobulin-fibronectin complexes. American Journal of Kidney Diseases, 1996, 28, 676-684.	1.9	34
44	Hereditary ferritinopathy. Journal of the Neurological Sciences, 2003, 207, 110-111.	0.6	34
45	Neurodegeneration Caused by Proteins with an Aberrant Carboxyl-Terminus. Journal of Neuropathology and Experimental Neurology, 2004, 63, 787-800.	1.7	34
46	Immunolocalization of the Oligodendrocyte Transcription Factor 1 (Olig1) in Brain Tumors. Journal of Neuropathology and Experimental Neurology, 2004, 63, 170-179.	1.7	32
47	Generation and Initial Characterization of FDD Knock In Mice. PLoS ONE, 2009, 4, e7900.	2.5	32
48	Cryo-EM structures of prion protein filaments from Gerstmannâ€“StrÃusslerâ€“Scheinker disease. Acta Neuropathologica, 2022, 144, 509-520.	7.7	32
49	pH-dependent fibrillogenesis of a VÎºIII Bence Jones protein. British Journal of Haematology, 1999, 107, 835-843.	2.5	31
50	Clinical phenotype and neuroimaging findings in a French family with hereditary ferritinopathy (FTL498â€499InsTC). Movement Disorders, 2009, 24, 1676-1683.	3.9	30
51	Iron loading-induced aggregation and reduction of iron incorporation in heteropolymeric ferritin containing a mutant light chain that causes neurodegeneration. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 544-548.	3.8	30
52	Inclusion body myositis, muscle blood vessel and cardiac amyloidosis, and transthyretin Val122Ile allele. Annals of Neurology, 2000, 47, 544-549.	5.3	29
53	Chromosome 13 dementia syndromes as models of neurodegeneration. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2001, 8, 277-284.	3.0	29
54	The Human Amyloid-Î² Precursor Protein770 Mutation V717F Generates Peptides Longer Than Amyloid-Î²-(40-42) and Flocculent Amyloid Aggregates. Journal of Biological Chemistry, 2004, 279, 5829-5836.	3.4	28

#	Article	IF	Citations
55	Abnormal iron metabolism in fibroblasts from a patient with the neurodegenerative disease hereditary ferritinopathy. Molecular Neurodegeneration, 2010, 5, 50.	10.8	27
56	Earlyâ€onset Dementia with Lewy Bodies. Brain Pathology, 2004, 14, 137-147.	4.1	26
57	A Newly Formed Amyloidogenic Fragment due to a Stop Codon Mutation Causes Familial British Dementia. Annals of the New York Academy of Sciences, 2000, 903, 129-137.	3.8	25
58	Tau as a mediator of neurotoxicity associated to cerebral amyloid angiopathy. Acta Neuropathologica Communications, 2019, 7, 26.	5.2	25
59	Presenilin-1 280Gluâ†'Ala Mutation Alters C-Terminal APP Processing Yielding Longer AÎ² Peptides: Implications for Alzheimerâ€™s Disease. Molecular Medicine, 2008, 14, 184-194.	4.4	24
60	Effect of Systemic Iron Overload and a Chelation Therapy in a Mouse Model of the Neurodegenerative Disease Hereditary Ferritinopathy. PLoS ONE, 2016, 11, e0161341.	2.5	24
61	A Human Monoclonal IgG That Binds AÎ² Assemblies and Diverse Amyloids Exhibits Anti-Amyloid ActivitiesIn VitroandIn Vivo. Journal of Neuroscience, 2015, 35, 6265-6276.	3.6	23
62	A novel ferritin light chain mutation in neuroferritinopathy with an atypical presentation. Journal of the Neurological Sciences, 2014, 342, 173-177.	0.6	21
63	Amyloid and intracellular accumulation of BRI2. Neurobiology of Aging, 2017, 52, 90-97.	3.1	21
64	Failure to Detect the Presence of Prions in the Uterine and Gestational Tissues from a Gravida with Creutzfeldt-Jakob Disease. American Journal of Pathology, 2009, 174, 1602-1608.	3.8	19
65	Activated endothelial cells induce a distinct type of astrocytic reactivity. Communications Biology, 2022, 5, 282.	4.4	19
66	Increased Tau Phosphorylation and Tau Truncation, and Decreased Synaptophysin Levels in Mutant BRI2/Tau Transgenic Mice. PLoS ONE, 2013, 8, e56426.	2.5	18
67	Amyloidogenesis in Familial British Dementia Is Associated with a Genetic Defect on Chromosome 13. Annals of the New York Academy of Sciences, 2000, 920, 84-92.	3.8	17
68	Alzheimer's presenilin 1 gene expression in platelets and megakaryocytes. FEBS Letters, 1996, 393, 19-23.	2.8	16
69	Amyloid peptides ABri and ADan show differential neurotoxicity in transgenic Drosophila models of familial British and Danish dementia. Molecular Neurodegeneration, 2014, 9, 5.	10.8	14
70	Sub-3â€Ã… apoferritin structure determined with full range of phase shifts using a single position of volta phase plate. Journal of Structural Biology, 2019, 206, 225-232.	2.8	14
71	Characterization of Amyloid Deposits in Neurodegenerative Diseases. Methods in Molecular Biology, 2011, 793, 241-258.	0.9	14
72	Tau Protein Binding Modes in Alzheimerâ€™s Disease for Cationic Luminescent Ligands. Journal of Physical Chemistry B, 2021, 125, 11628-11636.	2.6	14

#	Article	IF	Citations
73	The Psen1â€L166P â€knockâ€in mutation leads to amyloid deposition in human wildâ€type amyloid precursor protein YAC transgenic mice. FASEB Journal, 2012, 26, 2899-2910.	0.5	13
74	Familial Cerebral Amyloid Angiopathies and Dementia. Alzheimer Disease and Associated Disorders, 2000, 14, S25-S30.	1.3	11
75	Vascular amyloid accumulation alters the gabaergic synapse and induces hyperactivity in a model of cerebral amyloid angiopathy. Aging Cell, 2020, 19, e13233.	6.7	8
76	Thiopheneâ€Based Optical Ligands That Selectively Detect AÎ² Pathology in Alzheimer's Disease. ChemBioChem, 2021, 22, 2568-2581.	2.6	8
77	New familial forms of cerebral amyloid and dementia. Molecular Psychiatry, 2000, 5, 575-576.	7.9	7
78	Apolipoprotein E and Amyloidogenesis. Novartis Foundation Symposium, 1996, 199, 132-145.	1.1	6
79	Cryo-EM structures and functional characterization of homo- and heteropolymers of human ferritin variants. Scientific Reports, 2020, 10, 20666.	3.3	3
80	Sequencing of the Alzheimer's APP gene Dutch variant (APP-D). Human Mutation, 1993, 2, 495-495.	2.5	1
81	Neuropathology and Genetics of Prion Protein and British Cerebral Amyloid Angiopathies. , 2000, , 237-247.		1
82	Generation of a novel murine model of AÎ² deposition based on the expression of human wild-type amyloid precursor protein gene. Prion, 2012, 6, 346-349.	1.8	0
83	P2â€293: Contribution of the Neuropathology Laboratory at Indiana University to the Deciphering of Dominantly Inherited Dementias: 1976â€2016. Alzheimer's and Dementia, 2016, 12, P744.	0.8	0
84	Sub-3 Ã… Apoferritin Structure Determined with Single Position of Volta Phase Plate and Full Range of Phase Shift. Microscopy and Microanalysis, 2020, 26, 2300-2302.	0.4	0
85	Neuropathological characterization of early onset Alzheimer disease associated with the V717L APP mutation. FASEB Journal, 2008, 22, 707.8.	0.5	0
86	Other neurodegenerative conditions I. , 2014, , 249-258.		0
87	Other neurogenerative conditions III. , 0, , 263-267.		0