John D Fryer

List of Publications by Year
in descending order

67 papers	6,332 citations	109321 35 h-index	106344 65 g-index
69 all docs	69 docs citations	69 times ranked	10280 citing authors

#	Article	IF	Citations
1	Widespread choroid plexus contamination in sampling and profiling of brain tissue. Molecular Psychiatry, 2022, 27, 1839-1847.	7.9	7
2	Plasma PolyQ-ATXN3 Levels Associate With Cerebellar Degeneration and Behavioral Abnormalities in a New AAV-Based SCA3 Mouse Model. Frontiers in Cell and Developmental Biology, 2022, 10, 863089.	3.7	5
3	Culture shock: microglial heterogeneity, activation, and disrupted single-cell microglial networks in vitro. Molecular Neurodegeneration, 2022, 17, 26.	10.8	24
4	Mitophagy alterations in Alzheimer's disease are associated with granulovacuolar degeneration and early tau pathology. Alzheimer's and Dementia, 2021, 17, 417-430.	0.8	34
5	Vascular ApoE4 Impairs Behavior by Modulating Gliovascular Function. Neuron, 2021, 109, 438-447.e6.	8.1	42
6	Clusterin secreted from astrocyte promotes excitatory synaptic transmission and ameliorates Alzheimerâ€™s disease neuropathology. Molecular Neurodegeneration, 2021, 16, 5.	10.8	44
7	Loss of Tmem106b leads to cerebellum Purkinje cell death and motor deficits. Brain Pathology, 2021, 31, e12945.	4.1	8
8	Long-read targeted sequencing uncovers clinicopathological associations for C9orf72-linked diseases. Brain, 2021, 144, 1082-1088.	7.6	17
9	Urine levels of the polyglutamine ataxin-3 protein are elevated in patients with spinocerebellar ataxia type 3. Parkinsonism and Related Disorders, 2021, 89, 151-154.	2.2	9
10	APOE3 -Jacksonville (V236E) variant reduces self-aggregation and risk of dementia. Science Translational Medicine, 2021, 13, eabc9375.	12.4	37
11	Toward allele-specific targeting therapy and pharmacodynamic marker for spinocerebellar ataxia type 3. Science Translational Medicine, 2020, 12, .	12.4	32
12	Astrocyte-derived clusterin suppresses amyloid formation in vivo. Molecular Neurodegeneration, 2020, 15, 71.	10.8	26
13	Clusterin ameliorates tau pathology in vivo by inhibiting fibril formation. Acta Neuropathologica Communications, 2020, 8, 210.	5.2	24
14	Activation of FAK/Rac1/Cdc42â€GTPase signaling ameliorates impaired microglial migration response to Aî²₄₂in triggering receptor expressed on myeloid cells 2 lossâ€ofâ€function murine models. FASEB Journal, 2020, 34, 10984-10997.	0.5	24
15	Estrous Cycle Modulation of Feeding and Relaxin-3/Rxfp3 mRNA Expression - Implications for Estradiol. Neuroendocrinology, 2020, 111, 1201-1218.	2.5	6
16	Hexanucleotide Repeat Expansions in c9FTD/ALS and SCA36 Confer Selective Patterns of Neurodegeneration InÂVivo. Cell Reports, 2020, 31, 107616.	6.4	37
17	APOE4 exacerbates Î±-synuclein pathology and related toxicity independent of amyloid. Science Translational Medicine, 2020, 12, .	12.4	90
18	Loss of Tmem106b exacerbates <scp>FTLD</scp> pathologies and causes motor deficits in progranulinâ€deficient mice. EMBO Reports, 2020, 21, e50197.	4.5	35

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19	APOE2 is associated with longevity independent of Alzheimerâ€™s disease. ELife, 2020, 9, .	6.0	33
20	Enhanced phosphorylation of T153 in soluble tau is a defining biochemical feature of the A152T tau risk variant. Acta Neuropathologica Communications, 2019, 7, 10.	5.2	3
21	Systematic analysis of dark and camouflaged genes reveals disease-relevant genes hiding in plain sight. Genome Biology, 2019, 20, 97.	8.8	122
22	Aberrant deposition of stress granule-resident proteins linked to C9orf72-associated TDP-43 proteinopathy. Molecular Neurodegeneration, 2019, 14, 9.	10.8	111
23	Heterochromatin anomalies and double-stranded RNA accumulation underlie C9orf72 poly(PR) toxicity. Science, 2019, 363, .	12.6	181
24	Potentially Modifiable Risk Factors for Long-Term Cognitive Impairment After Critical Illness: A Systematic Review. Mayo Clinic Proceedings, 2018, 93, 68-82.	3.0	69
25	Behavioral and transcriptomic analysis of Trem2-null mice: not all knockout mice are created equal. Human Molecular Genetics, 2018, 27, 211-223.	2.9	50
26	P4â€065: APOE4 CONDITIONALLY EXPRESSED IN CEREBROVASCULATURE IMPAIRS ENDOTHELIAL FUNCTIONS AND INDUCES COGNITIVE DEFICITS. Alzheimer's and Dementia, 2018, 14, P1457.	0.8	1
27	Risk Factors for Persistent Cognitive Impairment After Critical Illness, Nested Case-Control Study. Critical Care Medicine, 2018, 46, 1977-1984.	0.9	28
28	APOE Îµ2 is associated with increased tau pathology in primary tauopathy. Nature Communications, 2018, 9, 4388.	12.8	100
29	TRIO gene segregation in a family with cerebellar ataxia. Neurologia I Neurochirurgia Polska, 2018, 52, 743-749.	1.2	5
30	Poly(GR) impairs protein translation and stress granule dynamics in C9orf72-associated frontotemporal dementia and amyotrophic lateral sclerosis. Nature Medicine, 2018, 24, 1136-1142.	30.7	241
31	Loss of Tmem106b is unable to ameliorate frontotemporal dementia-like phenotypes in an AAV mouse model of C9ORF72-repeat induced toxicity. Acta Neuropathologica Communications, 2018, 6, 42.	5.2	20
32	Microglial translational profiling reveals a convergent APOE pathway from aging, amyloid, and tau. Journal of Experimental Medicine, 2018, 215, 2235-2245.	8.5	167
33	Long-read sequencing across the C9orf72 â€˜GGGGCCâ€™ repeat expansion: implications for clinical use and genetic discovery efforts in human disease. Molecular Neurodegeneration, 2018, 13, 46.	10.8	111
34	A matter of balance. ELife, 2018, 7, .	6.0	5
35	TREM2 Promotes Microglial Survival by Activating Wnt/Î²-Catenin Pathway. Journal of Neuroscience, 2017, 37, 1772-1784.	3.6	242
36	Soluble TREM2 induces inflammatory responses and enhances microglial survival. Journal of Experimental Medicine, 2017, 214, 597-607.	8.5	258

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37	Subacute ibuprofen treatment rescues the synaptic and cognitive deficits in advanced-aged mice. Neurobiology of Aging, 2017, 53, 112-121.	3.1	26
38	Poly(GP) proteins are a useful pharmacodynamic marker for C9ORF72 -associated amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	12.4	179
39	Capicua deficiency induces autoimmunity and promotes follicular helper T cell differentiation via derepression of ETV5. Nature Communications, 2017, 8, 16037.	12.8	36
40	TIA1 Mutations in Amyotrophic Lateral Sclerosis and Frontotemporal Dementia Promote Phase Separation and Alter Stress Granule Dynamics. Neuron, 2017, 95, 808-816.e9.	8.1	493
41	Loss of clusterin shifts amyloid deposition to the cerebrovasculature via disruption of perivascular drainage pathways. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6962-E6971.	7.1	96
42	Neonatal AAV delivery of alpha-synuclein induces pathology in the adult mouse brain. Acta Neuropathologica Communications, 2017, 5, 51.	5.2	24
43	Derivation and validation of the automated search algorithms to identify cognitive impairment and dementia in electronic health records. Journal of Critical Care, 2017, 37, 202-205.	2.2	46
44	[P4â€“125]: THE MOLECULAR CHAPERONE BRICHOS INHIBITS AÎ² AGGREGATION AND OTHER NEUROPATHOLOGICAL PHENOTYPES IN A MOUSE MODEL OF AÎ² AMYLOIDOSIS. Alzheimer's and Dementia, 2017, 13, P1304.	0.8	0
45	[P1â€“183]: LOSS OF CLUSTERIN SHIFTS AMYLOID DEPOSITION TO THE CEREBROVASCULATURE VIA DISRUPTION OF PERIVASCULAR DRAINAGE PATHWAYS. Alzheimer's and Dementia, 2017, 13, P312.	0.8	1
46	APOE2 eases cognitive decline during Aging: Clinical and preclinical evaluations. Annals of Neurology, 2016, 79, 758-774.	5.3	77
47	Identification of plexin A4 as a novel clusterin receptor links two Alzheimerâ€™s disease risk genes. Human Molecular Genetics, 2016, 25, 3467-3475.	2.9	21
48	ABCA7 Deficiency Accelerates Amyloid-Î² Generation and Alzheimer's Neuronal Pathology. Journal of Neuroscience, 2016, 36, 3848-3859.	3.6	109
49	Impact of sex and APOE4 on cerebral amyloid angiopathy in Alzheimerâ€™s disease. Acta Neuropathologica, 2016, 132, 225-234.	7.7	73
50	C9ORF72 poly(GA) aggregates sequester and impair HR23 and nucleocytoplasmic transport proteins. Nature Neuroscience, 2016, 19, 668-677.	14.8	268
51	Opposing roles of the triggering receptor expressed on myeloid cells 2 and triggering receptor expressed on myeloid cells-like transcript 2 in microglia activation. Neurobiology of Aging, 2016, 42, 132-141.	3.1	89
52	Deficiency of Capicua disrupts bile acid homeostasis. Scientific Reports, 2015, 5, 8272.	3.3	28
53	TREM2 in CNS homeostasis and neurodegenerative disease. Molecular Neurodegeneration, 2015, 10, 43.	10.8	115
54	Tau deposition drives neuropathological, inflammatory and behavioral abnormalities independently of neuronal loss in a novel mouse model. Human Molecular Genetics, 2015, 24, 6198-6212.	2.9	52

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55	Voluntary and forced exercise differentially alters the gut microbiome in C57BL/6J mice. Journal of Applied Physiology, 2015, 118, 1059-1066.	2.5	212
56	C9ORF72 repeat expansions in mice cause TDP-43 pathology, neuronal loss, and behavioral deficits. Science, 2015, 348, 1151-1154.	12.6	332
57	Apolipoprotein E Is a Ligand for Triggering Receptor Expressed on Myeloid Cells 2 (TREM2). Journal of Biological Chemistry, 2015, 290, 26043-26050.	3.4	395
58	Diet and exercise orthogonally alter the gut microbiome and reveal independent associations with anxiety and cognition. Molecular Neurodegeneration, 2014, 9, 36.	10.8	250
59	Large-scale topology and the default mode network in the mouse connectome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18745-18750.	7.1	228
60	Severe amygdala dysfunction in a MAPT transgenic mouse model of frontotemporal dementia. Neurobiology of Aging, 2014, 35, 1769-1777.	3.1	48
61	Deficiency in LRP6-Mediated Wnt Signaling Contributes to Synaptic Abnormalities and Amyloid Pathology in Alzheimerâ€™s Disease. Neuron, 2014, 84, 63-77.	8.1	168
62	F2-03-02: AGE-DEPENDENT NEUROPROTECTIVE EFFECTS OF CLUSTERIN IN THE SETTING OF NEUROINFLAMMATION. , 2014, 10, P160-P161.		0
63	The Low Density Lipoprotein Receptor Regulates the Level of CentralNervous System Human and Murine Apolipoprotein E but Does Not Modify AmyloidPlaque Pathology in PDAPPMice. Journal of Biological Chemistry, 2005, 280, 25754-25759.	3.4	121
64	Human Apolipoprotein E4 Alters the Amyloid-Â 40:42 Ratio and Promotes the Formation of Cerebral Amyloid Angiopathy in an Amyloid Precursor Protein Transgenic Model. Journal of Neuroscience, 2005, 25, 2803-2810.	3.6	243
65	The Bad Seed in Alzheimerâ€™s Disease. Neuron, 2005, 47, 167-168.	8.1	19
66	Apolipoprotein E Markedly Facilitates Age-Dependent Cerebral Amyloid Angiopathy and Spontaneous Hemorrhage in Amyloid Precursor Protein Transgenic Mice. Journal of Neuroscience, 2003, 23, 7889-7896.	3.6	139
67	Clusterin contributes to caspase-3â€“independent brain injury following neonatal hypoxia-ischemia. Nature Medicine, 2001, 7, 338-343.	30.7	196