

# Joseph A Mcquail

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

884  
citations

567281

15  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular aspects of age-related cognitive decline: the role of GABA signaling. <i>Trends in Molecular Medicine</i> , 2015, 21, 450-460.	6.7	148
2	Prefrontal Cortical GABAergic Dysfunction Contributes to Age-Related Working Memory Impairment. <i>Journal of Neuroscience</i> , 2014, 34, 3457-3466.	3.6	120
3	A Ketogenic Diet Improves Cognition and Has Biochemical Effects in Prefrontal Cortex That Are Dissociable From Hippocampus. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 391.	3.4	79
4	NR2A-Containing NMDARs in the Prefrontal Cortex Are Required for Working Memory and Associated with Age-Related Cognitive Decline. <i>Journal of Neuroscience</i> , 2016, 36, 12537-12548.	3.6	62
5	Prefrontal cortical GABAergic signaling and impaired behavioral flexibility in aged F344 rats. <i>Neuroscience</i> , 2017, 345, 274-286.	2.3	51
6	Regionally Distinct Responses of Microglia and Glial Progenitor Cells to Whole Brain Irradiation in Adult and Aging Rats. <i>PLoS ONE</i> , 2012, 7, e52728.	2.5	46
7	Age-Related Declines in Prefrontal Cortical Expression of Metabotropic Glutamate Receptors that Support Working Memory. <i>ENeuro</i> , 2018, 5, ENEURO.0164-18.2018.	1.9	43
8	The Antiepileptic Ketogenic Diet Alters Hippocampal Transporter Levels and Reduces Adiposity in Aged Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 450-458.	3.6	40
9	Cognitive Reserve in Model Systems for Mechanistic Discovery: The Importance of Longitudinal Studies. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 607685.	3.4	40
10	Age-related changes in rostral basal forebrain cholinergic and GABAergic projection neurons: relationship with spatial impairment. <i>Neurobiology of Aging</i> , 2013, 34, 845-862.	3.1	37
11	GABAB receptor GTP-binding is decreased in the prefrontal cortex but not the hippocampus of aged rats. <i>Neurobiology of Aging</i> , 2012, 33, 1124.e1-1124.e12.	3.1	36
12	Decline of prefrontal cortical-mediated executive functions but attenuated delay discounting in aged Fischer 344—brown Norway hybrid rats. <i>Neurobiology of Aging</i> , 2017, 60, 141-152.	3.1	29
13	Spatial reference memory in normal aging Fischer 344—Brown Norway F1 hybrid rats. <i>Neurobiology of Aging</i> , 2015, 36, 323-333.	3.1	28
14	The Next 50 Years of Neuroscience. <i>Journal of Neuroscience</i> , 2020, 40, 101-106.	3.6	23
15	Hippocampal G <sub>A</sub> q/11 but not G <sub>A</sub> o-coupled receptors are altered in aging. <i>Neuropharmacology</i> , 2013, 70, 63-73.	4.1	18
16	Evaluation of muscarinic and nicotinic receptor antagonists on attention and working memory. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 85, 796-803.	2.9	15
17	Age and Ketogenic Diet Have Dissociable Effects on Synapse-Related Gene Expression Between Hippocampal Subregions. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 239.	3.4	15
18	Neuroinflammation not associated with cholinergic degeneration in aged-impaired brain. <i>Neurobiology of Aging</i> , 2011, 32, 2322.e1-2322.e4.	3.1	12

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19	Attenuated NMDAR signaling on fast-spiking interneurons in prefrontal cortex contributes to age-related decline of cognitive flexibility. <i>Neuropharmacology</i> , 2021, 197, 108720.	4.1	12
20	Differential Responses of Hippocampal Neurons and Astrocytes to Nicotine and Hypoxia in the Fetal Guinea Pig. <i>Neurotoxicity Research</i> , 2013, 24, 80-93.	2.7	11
21	Dietary Fish Oil Modestly Attenuates the Effect of Age on Diastolic Function but Has No Effect on Memory or Brain Inflammation in Aged Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 521-533.	3.6	8
22	Animal Models of Aging and Cognition. <i>Current Translational Geriatrics and Experimental Gerontology Reports</i> , 2012, 1, 21-28.	0.7	4
23	Stress-induced corticosterone secretion covaries with working memory in aging. <i>Neurobiology of Aging</i> , 2018, 71, 156-160.	3.1	4
24	Rat Models of Cognitive Aging. , 2018, , 211-230.		1
25	GABAB receptors in prelimbic cortex and basolateral amygdala differentially influence intertemporal decision making and decline with age. <i>Neuropharmacology</i> , 2022, 209, 109001.	4.1	1