

# Kathy R Magnusson

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,419  
citations

331670

21  
h-index

414414

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related changes in excitatory amino acid receptors in two mouse strains. <i>Neurobiology of Aging</i> , 1993, 14, 197-206.	3.1	139
2	Declines in mRNA Expression of Different Subunits May Account for Differential Effects of Aging on Agonist and Antagonist Binding to the NMDA Receptor. <i>Journal of Neuroscience</i> , 2000, 20, 1666-1674.	3.6	115
3	Aging of glutamate receptors: correlations between binding and spatial memory performance in mice. <i>Mechanisms of Ageing and Development</i> , 1998, 104, 227-248.	4.6	109
4	Selective vulnerabilities of N-methyl-D-aspartate (NMDA) receptors during brain aging. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, 11.	3.4	102
5	The aging of the NMDA receptor complex. <i>Frontiers in Bioscience - Landmark</i> , 1998, 3, e70-80.	3.0	83
6	In vitro autoradiography of hippocampal excitatory amino acid binding in aged Fischer 344 rats: Relationship to performance on the Morris water maze.. <i>Behavioral Neuroscience</i> , 1992, 106, 324-335.	1.2	77
7	Aging is associated with altered dendritic cells subset distribution and impaired proinflammatory cytokine production. <i>Experimental Gerontology</i> , 2010, 45, 163-169.	2.8	65
8	Age-related deficits in mice performing working memory tasks in a water maze.. <i>Behavioral Neuroscience</i> , 2003, 117, 485-495.	1.2	61
9	Effects of aging on NMDA and MK801 binding sites in mice. <i>Brain Research</i> , 1993, 604, 334-337.	2.2	57
10	Age-related declines in a two-day reference memory task are associated with changes in NMDA receptor subunits in mice. <i>BMC Neuroscience</i> , 2007, 8, 43.	1.9	50
11	Chronic vitamin E deficiency impairs cognitive function in adult zebrafish via dysregulation of brain lipids and energy metabolism. <i>Free Radical Biology and Medicine</i> , 2017, 112, 308-317.	2.9	45
12	Xanthohumol improved cognitive flexibility in young mice. <i>Behavioural Brain Research</i> , 2014, 275, 1-10.	2.2	44
13	Differential effects of aging on binding sites of the activated NMDA receptor complex in mice. <i>Mechanisms of Ageing and Development</i> , 1995, 84, 227-243.	4.6	43
14	Influence of dietary restriction on ionotropic glutamate receptors during aging in C57B1 mice. <i>Mechanisms of Ageing and Development</i> , 1997, 95, 187-202.	4.6	41
15	Changes in Anesthetic Sensitivity and Glutamate Receptors in the Aging Canine Brain. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, B448-B454.	3.6	39
16	An Increase in the Association of GluN2B Containing NMDA Receptors with Membrane Scaffolding Proteins Was Related to Memory Declines during Aging. <i>Journal of Neuroscience</i> , 2013, 33, 12300-12305.	3.6	38
17	Aging of the NMDA receptor: from a mouse's point of view. <i>Future Neurology</i> , 2012, 7, 627-637.	0.5	36
18	The application of a rodent-based Morris water maze (MWM) protocol to an investigation of age-related differences in human spatial learning.. <i>Behavioral Neuroscience</i> , 2017, 131, 470-482.	1.2	35

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19	Electrophysiological analysis of NMDA receptor subunit changes in the aging mouse cortex. <i>Mechanisms of Ageing and Development</i> , 2000, 115, 39-59.	4.6	27
20	Changes in expression of splice cassettes of NMDA receptor GluN1 subunits within the frontal lobe and memory in mice during aging. <i>Behavioural Brain Research</i> , 2011, 222, 122-133.	2.2	24
21	The effects of aging on different C-terminal splice forms of the $\hat{1}\eta$ 1(NR1) subunit of the N-methyl-d-aspartate receptor in mice. <i>Molecular Brain Research</i> , 2005, 135, 141-149.	2.3	23
22	Reducing expression of GluN10XX subunit splice variants of the NMDA receptor interferes with spatial reference memory. <i>Behavioural Brain Research</i> , 2012, 230, 317-324.	2.2	19
23	Relationship between mRNA expression of splice forms of the $\hat{1}\eta$ 1 subunit of the N-methyl-d-aspartate receptor and spatial memory in aged mice. <i>Brain Research</i> , 2008, 1207, 142-154.	2.2	18
24	Effects of ibuprofen on cognition and NMDA receptor subunit expression across aging. <i>Neuroscience</i> , 2017, 344, 276-292.	2.3	18
25	Higher Levels of Protein Palmitoylation in the Frontal Cortex across Aging Were Associated with Reference Memory and Executive Function Declines. <i>ENeuro</i> , 2019, 6, ENEURO.0310-18.2019.	1.9	18
26	Strategies to protect against age-related mitochondrial decay: Do natural products and their derivatives help?. <i>Free Radical Biology and Medicine</i> , 2022, 178, 330-346.	2.9	17
27	Acute dissociation for analyses of NMDA receptor function in cortical neurons during aging. <i>Journal of Neuroscience Methods</i> , 2003, 129, 11-17.	2.5	16
28	Can Selective Ligands for Glutamate Binding Proteins be Rationally Designed?. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 823-847.	2.1	14
29	Higher levels of phosphorylated Y1472 on GluN2B subunits in the frontal cortex of aged mice are associated with good spatial reference memory, but not cognitive flexibility. <i>Age</i> , 2016, 38, 50.	3.0	14
30	Catalytic Asymmetric Synthesis of Glutamate Analogues. <i>Organic Letters</i> , 2004, 6, 1285-1288.	4.6	13
31	Age-related differences in brain activations during spatial memory formation in a well-learned virtual Morris water maze (vMWM) task. <i>NeuroImage</i> , 2019, 202, 116069.	4.2	10
32	Glycine Enhances Binding to the NMDA Receptor Complex in Aged Mice, But Does Not Correct the Aging Change. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1996, 51A, B141-B147.	3.6	9
33	Taurine 3: Cellular and Regulatory Mechanisms. Stephen Schaffer , John B. Lombardini , Ryan J. Huxtable. <i>Quarterly Review of Biology</i> , 1999, 74, 467-468.	0.1	0
34	Nitrate and Nitrite Treatment Affect Zebrafish Behavior and Brain Metabolomic Profile. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa057_006.	0.3	0
35	Title is missing!. , 2020, 15, e0240070.		0
36	Title is missing!. , 2020, 15, e0240070.		0

#	ARTICLE	IF	CITATIONS
37	Title is missing!. , 2020, 15, e0240070.		0
38	Title is missing!. , 2020, 15, e0240070.		0