

# Anna E King

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

2,697  
citations

185998

28  
h-index

214527

47  
g-index

92  
all docs

92  
docs citations

92  
times ranked

7040  
citing authors

#	ARTICLE	IF	CITATIONS
1	C9ORF72, implicated in amyotrophic lateral sclerosis and frontotemporal dementia, regulates endosomal trafficking. <i>Human Molecular Genetics</i> , 2014, 23, 3579-3595.	1.4	410
2	Excitotoxicity in ALS: Overstimulation, or overreaction?. <i>Experimental Neurology</i> , 2016, 275, 162-171.	2.0	124
3	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo. , 2016, 57, 3470.		117
4	Amyloid $\beta$ accumulation and inner retinal degenerative changes in Alzheimer's disease transgenic mouse. <i>Neuroscience Letters</i> , 2016, 623, 52-56.	1.0	108
5	Diffuse axonal injury in brain trauma: insights from alterations in neurofilaments. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 429.	1.8	101
6	Microfluidic primary culture model of the lower motor neuron-neuromuscular junction circuit. <i>Journal of Neuroscience Methods</i> , 2013, 218, 164-169.	1.3	99
7	Rab1-dependent ER-Golgi transport dysfunction is a common pathogenic mechanism in SOD1, TDP-43 and FUS-associated ALS. <i>Acta Neuropathologica</i> , 2015, 130, 679-697.	3.9	91
8	Alpha-synuclein is upregulated in neurones in response to chronic oxidative stress and is associated with neuroprotection. <i>Experimental Neurology</i> , 2006, 199, 249-256.	2.0	86
9	Defining the earliest pathological changes of Alzheimer's disease. <i>Current Alzheimer Research</i> , 2016, 13, 281-287.	0.7	75
10	Axonal degeneration, distal collateral branching and neuromuscular junction architecture alterations occur prior to symptom onset in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Journal of Chemical Neuroanatomy</i> , 2016, 76, 35-47.	1.0	68
11	Axonopathy and cytoskeletal disruption in degenerative diseases of the central nervous system. <i>Brain Research Bulletin</i> , 2009, 80, 217-223.	1.4	62
12	Microglia and motor neurons during disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis: changes in arginase1 and inducible nitric oxide synthase. <i>Journal of Neuroinflammation</i> , 2014, 11, 55.	3.1	61
13	Poor oral hygiene, oral microorganisms and aspiration pneumonia risk in older people in residential aged care: a systematic review. <i>Age and Ageing</i> , 2021, 50, 81-87.	0.7	55
14	Chronic Excitotoxin-Induced Axon Degeneration in a Compartmented Neuronal Culture Model. <i>ASN Neuro</i> , 2012, 4, AN20110031.	1.5	52
15	Localization of glutamate receptors in developing cortical neurons in culture and relationship to susceptibility to excitotoxicity. <i>Journal of Comparative Neurology</i> , 2006, 498, 277-294.	0.9	47
16	Rod microglia and their role in neurological diseases. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 96-103.	2.3	44
17	The effect of focal brain injury on beta-amyloid plaque deposition, inflammation and synapses in the APP/PS1 mouse model of Alzheimer's disease. <i>Experimental Neurology</i> , 2015, 267, 219-229.	2.0	38
18	Connectivity of Pathology: The Olfactory System as a Model for Network-Driven Mechanisms of Alzheimer's Disease Pathogenesis. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 234.	1.7	37

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19	Identifying the primary site of pathogenesis in amyotrophic lateral sclerosis – vulnerability of lower motor neurons to proximal excitotoxicity. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 215-224.	1.2	37
20	Calretinin and Neuropeptide Y interneurons are differentially altered in the motor cortex of the SOD1G93A mouse model of ALS. <i>Scientific Reports</i> , 2017, 7, 44461.	1.6	37
21	Glutamate induces rapid loss of axonal neurofilament proteins from cortical neurons in vitro. <i>Experimental Neurology</i> , 2005, 193, 481-488.	2.0	36
22	Focal Damage to the Adult Rat Neocortex Induces Wound Healing Accompanied by Axonal Sprouting and Dendritic Structural Plasticity. <i>Cerebral Cortex</i> , 2011, 21, 281-291.	1.6	36
23	Combination treatment with leptin and pioglitazone in a mouse model of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 92-106.	1.8	35
24	Alzheimer's Disease and NQO1: Is there a Link?. <i>Current Alzheimer Research</i> , 2017, 15, 56-66.	0.7	35
25	Neurofilament light gene deletion exacerbates amyloid, dystrophic neurite, and synaptic pathology in the APP/PS1 transgenic model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 2757-2767.	1.5	34
26	The Influence of Genetic Factors and Cognitive Reserve on Structural and Functional Resting-State Brain Networks in Aging and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 30.	1.7	33
27	Neuron-glia interactions underlie ALS-like axonal cytoskeletal pathology. <i>Neurobiology of Aging</i> , 2011, 32, 459-469.	1.5	32
28	Mid-life environmental enrichment increases synaptic density in CA1 in a mouse model of A $\beta$ -associated pathology and positively influences synaptic and cognitive health in healthy ageing. <i>Journal of Comparative Neurology</i> , 2017, 525, 1797-1810.	0.9	32
29	Excitotoxicity mediated by non-NMDA receptors causes distal axonopathy in long-term cultured spinal motor neurons. <i>European Journal of Neuroscience</i> , 2007, 26, 2151-2159.	1.2	31
30	$\beta$ -Synuclein Protects Neurons from Apoptosis Downstream of Free-Radical Production Through Modulation of the MAPK Signalling Pathway. <i>Neurotoxicity Research</i> , 2013, 23, 358-369.	1.3	28
31	Microfluidic culture platform for studying neuronal response to mild to very mild axonal stretch injury. <i>Biomicrofluidics</i> , 2014, 8, 044110.	1.2	28
32	C9ORF72 expression and cellular localization over mouse development. <i>Acta Neuropathologica Communications</i> , 2015, 3, 59.	2.4	27
33	Cytoskeletal alterations differentiate presenilin-1 and sporadic Alzheimer's disease. <i>Acta Neuropathologica</i> , 2009, 117, 19-29.	3.9	26
34	Excitotoxin-induced caspase-3 activation and microtubule disintegration in axons is inhibited by taxol. <i>Acta Neuropathologica Communications</i> , 2013, 1, 59.	2.4	26
35	Age is no barrier: predictors of academic success in older learners. <i>Npj Science of Learning</i> , 2017, 2, 13.	1.5	26
36	Mild and repetitive very mild axonal stretch injury triggers cytoskeletal mislocalization and growth cone collapse. <i>PLoS ONE</i> , 2017, 12, e0176997.	1.1	25

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37	If Human Brain Organoids Are the Answer to Understanding Dementia, What Are the Questions?. <i>Neuroscientist</i> , 2020, 26, 438-454.	2.6	23
38	Utility of Self-Destructing CRISPR/Cas Constructs for Targeted Gene Editing in the Retina. <i>Human Gene Therapy</i> , 2019, 30, 1349-1360.	1.4	22
39	Disruption of leptin signalling in a mouse model of Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2018, 33, 1097-1110.	1.4	20
40	Stainless Steel Pinholes for Fast Fabrication of High-Performance Microchip Electrophoresis Devices by CO <sub>2</sub> Laser Ablation. <i>Analytical Chemistry</i> , 2013, 85, 10051-10056.	3.2	19
41	AAV-mediated gene delivery of the calreticulin anti-angiogenic domain inhibits ocular neovascularization. <i>Angiogenesis</i> , 2018, 21, 95-109.	3.7	19
42	Environmental novelty exacerbates stress hormones and A $\beta$ pathology in an Alzheimer's model. <i>Scientific Reports</i> , 2017, 7, 2764.	1.6	17
43	Late-life environmental enrichment preserves short-term memory and may attenuate microglia in male APP/PS1 mice. <i>Neuroscience</i> , 2019, 408, 282-292.	1.1	17
44	Degeneration of axons in spinal white matter in G93A mSOD1 mouse characterized by NFL and alpha-internexin immunoreactivity. <i>Brain Research</i> , 2012, 1465, 90-100.	1.1	16
45	Changes in TDP-43 expression in development, aging, and in the neurofilament light protein knockout mouse. <i>Neurobiology of Aging</i> , 2015, 36, 1151-1159.	1.5	16
46	Alterations in neurofilaments and the transformation of the cytoskeleton in axons may provide insight into the aberrant neuronal changes of Alzheimer's disease. <i>Brain Research Bulletin</i> , 2016, 126, 324-333.	1.4	16
47	Cytoskeletal changes during development and aging in the cortex of neurofilament light protein knockout mice. <i>Journal of Comparative Neurology</i> , 2013, 521, 1817-1827.	0.9	15
48	Neuroprotective Upregulation of Endogenous Alpha-Synuclein Precedes Ubiquitination in Cultured Dopaminergic Neurons. <i>Neurotoxicity Research</i> , 2011, 19, 592-602.	1.3	14
49	ImageSURF: An ImageJ Plugin for Batch Pixel-Based Image Segmentation Using Random Forests. <i>Journal of Open Research Software</i> , 2017, 5, 31.	2.7	14
50	Island Study Linking Aging and Neurodegenerative Disease (ISLAND) Targeting Dementia Risk Reduction: Protocol for a Prospective Web-Based Cohort Study. <i>JMIR Research Protocols</i> , 2022, 11, e34688.	0.5	13
51	Methods for In Vivo CRISPR/Cas Editing of the Adult Murine Retina. <i>Methods in Molecular Biology</i> , 2018, 1715, 113-133.	0.4	12
52	The HDAC6 Inhibitor Trichostatin A Acetylates Microtubules and Protects Axons From Excitotoxin-Induced Degeneration in a Compartmented Culture Model. <i>Frontiers in Neuroscience</i> , 2018, 12, 872.	1.4	12
53	Cortical Murine Neurons Lacking the Neurofilament Light Chain Protein Have an Attenuated Response to Injury <i>In Vitro</i> . <i>Journal of Neurotrauma</i> , 2013, 30, 1908-1918.	1.7	11
54	The metabolomics of alpha-synuclein (SNCA) gene deletion and mutation in mouse brain. <i>Metabolomics</i> , 2014, 10, 114-122.	1.4	11

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55	Age Moderates the Effects of Traumatic Brain Injury on Beta-Amyloid Plaque Load in APP/PS1 Mice. <i>Journal of Neurotrauma</i> , 2019, 36, 1876-1889.	1.7	11
56	Coherence and cognition in the cortex: the fundamental role of parvalbumin, myelin, and the perineuronal net. <i>Brain Structure and Function</i> , 2021, 226, 2041-2055.	1.2	11
57	The impact of metallothionein-II on microglial response to tumor necrosis factor-alpha (TNF $\alpha$ ) and downstream effects on neuronal regeneration. <i>Journal of Neuroinflammation</i> , 2018, 15, 56.	3.1	10
58	Implications for microglial sex differences in tau-related neurodegenerative diseases. <i>Neurobiology of Aging</i> , 2021, 105, 340-348.	1.5	10
59	Association Between Components of Cognitive Reserve and Serum BDNF in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 725914.	1.7	9
60	The potential roles of genetic factors in predicting ageing-related cognitive change and Alzheimer's disease. <i>Ageing Research Reviews</i> , 2021, 70, 101402.	5.0	9
61	Microtubule-dependent processes precede pathological calcium influx in excitotoxin-induced axon degeneration. <i>Journal of Neurochemistry</i> , 2020, 152, 542-555.	2.1	8
62	TDP-43 mislocalization drives neurofilament changes in a novel model of TDP-43 proteinopathy. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	8
63	The TAS Test project: a prospective longitudinal validation of new online motor-cognitive tests to detect preclinical Alzheimer's disease and estimate 5-year risks of cognitive decline and dementia. <i>BMC Neurology</i> , 2022, 22, .	0.8	8
64	Peripheral treatment with enoxaparin exacerbates amyloid plaque pathology in Tg2576 mice. <i>Journal of Neuroscience Research</i> , 2017, 95, 992-999.	1.3	7
65	Accurate and Unbiased Quantitation of Amyloid- $\beta$ Fluorescence Images Using ImageSURF. <i>Current Alzheimer Research</i> , 2019, 16, 102-108.	0.7	7
66	Enhanced Anti-Amyloid Effect of Combined Leptin and Pioglitazone in APP/PS1 Transgenic Mice. <i>Current Alzheimer Research</i> , 2021, 17, 1294-1301.	0.7	6
67	Sarm1 knockout modifies biomarkers of neurodegeneration and spinal cord circuitry but not disease progression in the mSOD1 mouse model of ALS. <i>Neurobiology of Disease</i> , 2022, 172, 105821.	2.1	5
68	Microfluidic Device for Studying Traumatic Brain Injury. <i>Neuromethods</i> , 2017, , 145-156.	0.2	4
69	Microglia Demonstrate Local Mixed Inflammation and a Defined Morphological Shift in an APP/PS1 Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1765-1781.	1.2	4
70	Pathological Links between Traumatic Brain Injury and Dementia: Australian Pre-Clinical Research. <i>Journal of Neurotrauma</i> , 2020, 37, 782-791.	1.7	4
71	Regional differences in beta amyloid plaque deposition and variable response to midlife environmental enrichment in the cortex of APP/PS1 mice. <i>Journal of Comparative Neurology</i> , 2021, 529, 1849-1862.	0.9	4
72	TasTest: Moving towards a digital screening test for pre-clinical Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	4

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73	Isolated REM sleep behaviour disorder: current diagnostic procedures and emerging new technologies. <i>Journal of Neurology</i> , 2022, 269, 4684-4695.	1.8	4
74	Axonal shearing in mature cortical neurons induces attempted regeneration and the reestablishment of neurite polarity. <i>Brain Research</i> , 2009, 1300, 24-36.	1.1	3
75	Image-Based Quantitation of Kainic Acid-Induced Excitotoxicity as a Model of Neurodegeneration in Human iPSC-Derived Neurons. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.4	3
76	CRISPR/Cas-Mediated Knock-in of Genetically Encoded Fluorescent Biosensors into the AAVS1 Locus of Human-Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.4	3
77	Environmental enrichment as a preventative and therapeutic approach to Alzheimer's disease. , 2020, , 681-693.		2
78	Iron is increased in the brains of ageing mice lacking the neurofilament light gene. <i>PLoS ONE</i> , 2019, 14, e0224169.	1.1	1
79	Effects of TDP-43 overexpression on neuron proteome and morphology in vitro. <i>Molecular and Cellular Neurosciences</i> , 2021, 114, 103627.	1.0	1
80	Axon pathology and repair. <i>Journal of Chemical Neuroanatomy</i> , 2016, 76, 1.	1.0	0
81	O4â€œ06â€œ04: THE BDNF VAL66MET POLYMORPHISM INFLUENCES THE COGNITIVE BENEFITS OF AN EDUCATION INTERVENTION IN OLDER ADULTS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1414.	0.4	0
82	The role of Alzheimerâ€™s disease polygenic risk scores in changes of cognitive function in older adults: A longitudinal cohort study. <i>Alzheimer's and Dementia</i> , 2020, 16, e037853.	0.4	0
83	The Island Study Linking Ageing and Neurodegenerative Disease (ISLAND): A longitudinal public health research program targeting dementia risk reduction. <i>Alzheimer's and Dementia</i> , 2020, 16, e045539.	0.4	0
84	Excitotoxicity and Axon Degeneration. , 2014, , 1223-1245.		0
85	Cortical axon sub-population maintains density, but not turnover, of en passant boutons in the aged APP/PS1 amyloidosis model. <i>Neurobiology of Aging</i> , 2022, 115, 29-38.	1.5	0