

# Elaine E Irvine

## List of Publications by Year in descending order

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43  
papers

3,274  
citations

201674

27  
h-index

254184

43  
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44  
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44  
docs citations

44  
times ranked

5487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomal Protein S6 Kinase 1 Signaling Regulates Mammalian Life Span. <i>Science</i> , 2009, 326, 140-144.	12.6	1,009
2	Cardiac glycosides are broad-spectrum senolytics. <i>Nature Metabolism</i> , 2019, 1, 1074-1088.	11.9	207
3	Dominant Role of the p110 <sup>β</sup> Isoform of PI3K over p110 <sup>α</sup> in Energy Homeostasis Regulation by POMC and AgRP Neurons. <i>Cell Metabolism</i> , 2009, 10, 343-354.	16.2	149
4	Deletion of <i>Irs2</i> reduces amyloid deposition and rescues behavioural deficits in APP transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 257-262.	2.1	121
5	CaMKII autophosphorylation contributes to rapid learning but is not necessary for memory. <i>Nature Neuroscience</i> , 2005, 8, 411-412.	14.8	114
6	The dorsal raphe nucleus is a crucial structure mediating nicotine's anxiolytic effects and the development of tolerance and withdrawal responses. <i>Psychopharmacology</i> , 2001, 155, 78-85.	3.1	106
7	PPAR <sup>β</sup> -coactivator-1 gene transfer reduces neuronal loss and amyloid-β generation by reducing β-secretase in an Alzheimer's disease model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12292-12297.	7.1	106
8	CaMKII autophosphorylation: a fast track to memory. <i>Trends in Neurosciences</i> , 2006, 29, 459-465.	8.6	89
9	Tolerance to nicotine's effects in the elevated plus-maze and increased anxiety during withdrawal. <i>Pharmacology Biochemistry and Behavior</i> , 2001, 68, 319-325.	2.9	86
10	Mechanism for long-term memory formation when synaptic strengthening is impaired. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18471-18475.	7.1	86
11	Improved reversal learning and altered fear conditioning in transgenic mice with regionally restricted p25 expression. <i>European Journal of Neuroscience</i> , 2003, 18, 423-431.	2.6	83
12	In Adolescence, Female Rats Are More Sensitive to the Anxiolytic Effect of Nicotine Than Are Male Rats. <i>Neuropsychopharmacology</i> , 2001, 25, 601-607.	5.4	77
13	Modulation of SF1 Neuron Activity Coordinately Regulates Both Feeding Behavior and Associated Emotional States. <i>Cell Reports</i> , 2017, 21, 3559-3572.	6.4	73
14	Social isolation modifies nicotine's effects in animal tests of anxiety. <i>British Journal of Pharmacology</i> , 2001, 132, 1389-1395.	5.4	68
15	Reproducing the dopamine pathophysiology of schizophrenia and approaches to ameliorate it: a translational imaging study with ketamine. <i>Molecular Psychiatry</i> , 2021, 26, 2562-2576.	7.9	60
16	Brain Deletion of Insulin Receptor Substrate 2 Disrupts Hippocampal Synaptic Plasticity and Metaplasticity. <i>PLoS ONE</i> , 2012, 7, e31124.	2.5	60
17	Ribosomal S6K1 in POMC and AgRP Neurons Regulates Glucose Homeostasis but Not Feeding Behavior in Mice. <i>Cell Reports</i> , 2015, 11, 335-343.	6.4	59
18	NMDA receptor-dependent long-term potentiation in mouse hippocampal interneurons shows a unique dependence on Ca <sup>2+</sup> /calmodulin-dependent kinases. <i>Journal of Physiology</i> , 2007, 584, 885-894.	2.9	56

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19	The effect of treatment regimen on the development of tolerance to the sedative and anxiolytic effects of diazepam. <i>Psychopharmacology</i> , 1999, 145, 251-259.	3.1	54
20	Peripheral activation of the Y2-receptor promotes secretion of GLP-1 and improves glucose tolerance. <i>Molecular Metabolism</i> , 2013, 2, 142-152.	6.5	54
21	The ATM Cofactor ATMIN Protects against Oxidative Stress and Accumulation of DNA Damage in the Aging Brain. <i>Journal of Biological Chemistry</i> , 2010, 285, 38534-38542.	3.4	50
22	Insulin receptor substrate 2 is a negative regulator of memory formation. <i>Learning and Memory</i> , 2011, 18, 375-383.	1.3	50
23	Neuronatin regulates pancreatic $\beta^2$ cell insulin content and secretion. <i>Journal of Clinical Investigation</i> , 2018, 128, 3369-3381.	8.2	47
24	Dynamic range of GSK3 $\beta$ not GSK3 $\alpha$ is essential for bidirectional synaptic plasticity at hippocampal CA3-CA1 synapses. <i>Hippocampus</i> , 2014, 24, 1413-1416.	1.9	36
25	Gene replacement ameliorates deficits in mouse and human models of cyclin-dependent kinase-like 5 disorder. <i>Brain</i> , 2020, 143, 811-832.	7.6	34
26	Sex-dependent up-regulation of two splicing factors, Psf and Srp20, during hippocampal memory formation. <i>Learning and Memory</i> , 2007, 14, 693-702.	1.3	33
27	Different treatment regimens and the development of tolerance to nicotine's anxiogenic effects. <i>Pharmacology Biochemistry and Behavior</i> , 2001, 68, 769-776.	2.9	29
28	Learning and memory impairments in Kvbeta1.1-null mutants are rescued by environmental enrichment or ageing. <i>European Journal of Neuroscience</i> , 2003, 18, 1640-1644.	2.6	29
29	Properties of Contextual Memory Formed in the Absence of $\beta$ -CaMKII Autophosphorylation. <i>Molecular Brain</i> , 2011, 4, 8.	2.6	29
30	Phasic Stimulation of Midbrain Dopamine Neuron Activity Reduces Salt Consumption. <i>ENeuro</i> , 2018, 5, ENEURO.0064-18.2018.	1.9	29
31	Mood differences between male and female light smokers and nonsmokers. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 72, 681-689.	2.9	25
32	Conditioned anxiety to nicotine. <i>Psychopharmacology</i> , 2002, 164, 309-317.	3.1	22
33	Neuronatin deletion causes postnatal growth restriction and adult obesity in 129S2/Sv mice. <i>Molecular Metabolism</i> , 2018, 18, 97-106.	6.5	22
34	Development of tolerance to nicotine's anxiogenic effect in the social interaction test. <i>Brain Research</i> , 2001, 894, 95-100.	2.2	20
35	Extrahypothalamic GABAergic nociceptin-expressing neurons regulate AgRP neuron activity to control feeding behavior. <i>Journal of Clinical Investigation</i> , 2019, 130, 126-142.	8.2	20
36	Deletion of myeloid IRS2 enhances adipose tissue sympathetic nerve function and limits obesity. <i>Molecular Metabolism</i> , 2019, 20, 38-50.	6.5	18

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37	Tolerance to midazolam's anxiolytic effects after short-term nicotine treatment. <i>Neuropharmacology</i> , 2001, 40, 710-716.	4.1	17
38	nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. <i>ENeuro</i> , 2018, 5, ENEURO.0381-18.2018.	1.9	14
39	Evidence that hematopoietic stem cell function is preserved during aging in long-lived S6K1 mutant mice. <i>Oncotarget</i> , 2016, 7, 29937-29943.	1.8	14
40	<i>IGF1</i> vector targeting of motor neurons ameliorates disease progression in <i>ALS</i> mice. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 752-768.	3.7	8
41	Spontaneous Cholemia in C57BL/6 Mice Predisposes to Liver Cancer in NASH. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 875-878.	4.5	5
42	Phosphorylation of $K^{+}$ channels at single residues regulates memory formation. <i>Learning and Memory</i> , 2016, 23, 174-181.	1.3	4
43	Genetic deletion of <i>S6k1</i> does not rescue the phenotypic deficits observed in the R6/2 mouse model of Huntington's disease. <i>Scientific Reports</i> , 2019, 9, 16133.	3.3	2