

# Agnes Simonyi

## List of Publications by Year in descending order

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76  
papers

6,364  
citations

71102

41  
h-index

71685

76  
g-index

76  
all docs

76  
docs citations

76  
times ranked

8519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resveratrol protects against global cerebral ischemic injury in gerbils. <i>Brain Research</i> , 2002, 958, 439-447.	2.2	465
2	Phospholipase A2 in the central nervous system. <i>Journal of Lipid Research</i> , 2004, 45, 205-213.	4.2	348
3	Kainic Acid-Mediated Excitotoxicity as a Model for Neurodegeneration. <i>Molecular Neurobiology</i> , 2005, 31, 003-016.	4.0	306
4	The "French paradox" and beyond: neuroprotective effects of polyphenols <sup>1,2</sup> Guest editor: Arthur Cederbaum <sup>2</sup> This article is part of a series of reviews on "Alcohol, Oxidative Stress and Cell Injury." The full list of papers may be found on the homepage of the journal.. <i>Free Radical Biology and Medicine</i> , 2002, 32, 314-318.	2.9	295
5	Resveratrol as a Therapeutic Agent for Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2010, 41, 375-383.	4.0	283
6	Amyloid beta peptide and NMDA induce ROS from NADPH oxidase and AA release from cytosolic phospholipase A <sub>2</sub> in cortical neurons. <i>Journal of Neurochemistry</i> , 2008, 106, 45-55.	3.9	249
7	Neuroprotective mechanisms of curcumin against cerebral ischemia-induced neuronal apoptosis and behavioral deficits. <i>Journal of Neuroscience Research</i> , 2005, 82, 138-148.	2.9	218
8	Apocynin protects against global cerebral ischemia-induced reperfusion-induced oxidative stress and injury in the gerbil hippocampus. <i>Brain Research</i> , 2006, 1090, 182-189.	2.2	216
9	Cyclooxygenase-2 inhibition improves amyloid- $\beta$ -mediated suppression of memory and synaptic plasticity. <i>Brain</i> , 2008, 131, 651-664.	7.6	208
10	Botanical Phenolics and Brain Health. <i>NeuroMolecular Medicine</i> , 2008, 10, 259-274.	3.4	189
11	Docosahexaenoic acid (DHA): An essential nutrient and a nutraceutical for brain health and diseases. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 136, 3-13.	2.2	172
12	Phospholipases A2 and Inflammatory Responses in the Central Nervous System. <i>NeuroMolecular Medicine</i> , 2010, 12, 133-148.	3.4	169
13	Polyphenols in Cerebral Ischemia: Novel Targets for Neuroprotection. <i>Molecular Neurobiology</i> , 2005, 31, 135-148.	4.0	140
14	Pro-inflammatory cytokines and lipopolysaccharide induce changes in cell morphology, and upregulation of ERK1/2, iNOS and sPLA2-IIA expression in astrocytes and microglia. <i>Journal of Neuroinflammation</i> , 2011, 8, 121.	7.2	136
15	Secretory PLA2-IIA: a new inflammatory factor for Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2006, 3, 28.	7.2	128
16	Quercetin Attenuates Inflammatory Responses in BV-2 Microglial Cells: Role of MAPKs on the Nrf2 Pathway and Induction of Heme Oxygenase-1. <i>PLoS ONE</i> , 2015, 10, e0141509.	2.5	128
17	Role of PKC and MAPK in cytosolic PLA <sub>2</sub> phosphorylation and arachadonic acid release in primary murine astrocytes. <i>Journal of Neurochemistry</i> , 2002, 83, 259-270.	3.9	115
18	Beneficial Effects of Dietary EGCG and Voluntary Exercise on Behavior in an Alzheimer's Disease Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 561-572.	2.6	114

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19	Resveratrol Protects Against Neurotoxicity Induced by Kainic Acid. <i>Neurochemical Research</i> , 2004, 29, 2105-2112.	3.3	113
20	The role of metabotropic glutamate receptor 5 in learning and memory processes. <i>Drug News and Perspectives</i> , 2005, 18, 353.	1.5	111
21	Phospholipase A <sub>2</sub> in Astrocytes: Responses to Oxidative Stress, Inflammation, and G Protein-Coupled Receptor Agonists. <i>Molecular Neurobiology</i> , 2005, 31, 027-042.	4.0	101
22	Selective Inhibition of Matrix Metalloproteinase-9 Attenuates Secondary Damage Resulting from Severe Traumatic Brain Injury. <i>PLoS ONE</i> , 2013, 8, e76904.	2.5	95
23	Ethanol preconditioning protects against ischemia/reperfusion-induced brain damage: Role of NADPH oxidase-derived ROS. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1048-1060.	2.9	94
24	Induction of secretory phospholipase A2 in reactive astrocytes in response to transient focal cerebral ischemia in the rat brain. <i>Journal of Neurochemistry</i> , 2004, 90, 637-645.	3.9	91
25	TNF $\alpha$ alters occludin and cerebral endothelial permeability: Role of p38MAPK. <i>PLoS ONE</i> , 2017, 12, e0170346.	2.5	88
26	Prolonged Exposure of Cortical Neurons to Oligomeric Amyloid- $\beta^2$ Impairs NMDA Receptor Function Via NADPH Oxidase-Mediated ROS Production: Protective Effect of Green Tea (-)-Epigallocatechin-3-Gallate. <i>ASN Neuro</i> , 2010, 3, AN20100025.	2.7	81
27	Phospholipases A <sub>2</sub> and neural membrane dynamics: implications for Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011, 116, 813-819.	3.9	81
28	Cytosolic phospholipase A2 plays a crucial role in ROS/NO signaling during microglial activation through the lipoxygenase pathway. <i>Journal of Neuroinflammation</i> , 2015, 12, 199.	7.2	79
29	Magnolia polyphenols attenuate oxidative and inflammatory responses in neurons and microglial cells. <i>Journal of Neuroinflammation</i> , 2013, 10, 15.	7.2	73
30	Role of Cytosolic Phospholipase A2 in Oxidative and Inflammatory Signaling Pathways in Different Cell Types in the Central Nervous System. <i>Molecular Neurobiology</i> , 2014, 50, 6-14.	4.0	71
31	P2X7 nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. <i>Purinergic Signalling</i> , 2005, 1, 337-347.	2.2	62
32	Interleukin-1 $\beta$ enhances nucleotide-induced and $\beta$ -secretase-dependent amyloid precursor protein processing in rat primary cortical neurons via up-regulation of the P2Y <sub>2</sub> receptor. <i>Journal of Neurochemistry</i> , 2009, 109, 1300-1310.	3.9	61
33	Withania somnifera and Its Withanolides Attenuate Oxidative and Inflammatory Responses and Up-Regulate Antioxidant Responses in BV-2 Microglial Cells. <i>NeuroMolecular Medicine</i> , 2016, 18, 241-252.	3.4	61
34	Bioavailability of apocynin through its conversion to glycoconjugate but not to diapoynin. <i>Phytomedicine</i> , 2008, 15, 496-503.	5.3	60
35	Grape polyphenols protect neurodegenerative changes induced by chronic ethanol administration. <i>NeuroReport</i> , 1999, 10, 93-96.	1.2	53
36	Metabotropic glutamate receptor subtype 5 antagonism in learning and memory. <i>European Journal of Pharmacology</i> , 2010, 639, 17-25.	3.5	53

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37	The neuroprotective effects of apocynin. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 2183-2193.	1.8	50
38	Expression of groups I and II metabotropic glutamate receptors in the rat brain during aging. <i>Brain Research</i> , 2005, 1043, 95-106.	2.2	49
39	Linking blast physics to biological outcomes in mild traumatic brain injury: Narrative review and preliminary report of an open-field blast model. <i>Behavioural Brain Research</i> , 2018, 340, 147-158.	2.2	47
40	MGlU5 antagonism impairs exploration and memory of spatial and non-spatial stimuli in rats. <i>Behavioural Brain Research</i> , 2008, 191, 235-245.	2.2	44
41	Region-specific decline in the expression of metabotropic glutamate receptor 7 mRNA in rat brain during aging. <i>Molecular Brain Research</i> , 2000, 82, 101-106.	2.3	43
42	Chronic Ethanol Treatment Reduces the Responsiveness of the Hypothalamic-Pituitary-Thyroid Axis to Central Stimulation. <i>Alcoholism: Clinical and Experimental Research</i> , 1996, 20, 954-960.	2.4	42
43	Involvement of oxidative pathways in cytokine-induced secretory phospholipase A2-IIA in astrocytes. <i>Neurochemistry International</i> , 2009, 55, 362-368.	3.8	41
44	Integrating Cytosolic Phospholipase A2 with Oxidative/Nitrosative Signaling Pathways in Neurons: A Novel Therapeutic Strategy for AD. <i>Molecular Neurobiology</i> , 2012, 46, 85-95.	4.0	40
45	Chronic Ethanol-Induced Subtype- and Subregion-Specific Decrease in the mRNA Expression of Metabotropic Glutamate Receptors in Rat Hippocampus. <i>Alcoholism: Clinical and Experimental Research</i> , 2004, 28, 1419-1423.	2.4	38
46	Targeting NADPH Oxidase and Phospholipases A2 in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2010, 41, 73-86.	4.0	38
47	Inhibition of microglial activation by elderberry extracts and its phenolic components. <i>Life Sciences</i> , 2015, 128, 30-38.	4.3	36
48	Ultrastructural brain abnormalities and associated behavioral changes in mice after low-intensity blast exposure. <i>Behavioural Brain Research</i> , 2018, 347, 148-157.	2.2	36
49	Phytochemicals and botanical extracts regulate NF- $\kappa$ B and Nrf2/ARE reporter activities in DI TNC1 astrocytes. <i>Neurochemistry International</i> , 2016, 97, 49-56.	3.8	35
50	Chronic ethanol on mRNA levels of IP3R1, IP3 3-kinase and mGluR1 in mouse Purkinje neurons. <i>NeuroReport</i> , 1996, 7, 2115-2118.	1.2	34
51	Dietary grape supplement ameliorates cerebral ischemia-induced neuronal death in gerbils. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 443-451.	3.3	32
52	Grape Polyphenols Inhibit Chronic Ethanol-Induced COX-2 mRNA Expression in Rat Brain. <i>Alcoholism: Clinical and Experimental Research</i> , 2002, 26, 352-357.	2.4	31
53	MPEP, a selective metabotropic glutamate receptor 5 antagonist, attenuates conditioned taste aversion in rats. <i>Behavioural Brain Research</i> , 2003, 141, 177-182.	2.2	31
54	The neuroprotective effects of apocynin. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 2183.	1.8	31

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55	Dietary Supplementation of Grape Polyphenols to Rats Ameliorates Chronic Ethanol-Induced Changes in Hepatic Morphology without Altering Changes in Hepatic Lipids. <i>Journal of Nutrition</i> , 1999, 129, 1814-1819.	2.9	29
56	Chronic Ethanol and Iron Administration on Iron Content, Neuronal Nitric Oxide Synthase, and Superoxide Dismutase in Rat Cerebellum. <i>Alcoholism: Clinical and Experimental Research</i> , 1999, 23, 702-707.	2.4	29
57	mGluR7 Genetics and Alcohol: Intersection Yields Clues for Addiction. <i>Neurochemical Research</i> , 2011, 36, 1087-1100.	3.3	29
58	Oral administration of grape polyphenol extract ameliorates cerebral ischemia/reperfusion-induced neuronal damage and behavioral deficits in gerbils: comparison of pre- and post-ischemic administration. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 369-377.	4.2	28
59	Dietary Sutherlandia and Elderberry Mitigate Cerebral Ischemia-Induced Neuronal Damage and Attenuate p47phox and Phospho-ERK1/2 Expression in Microglial Cells. <i>ASN Neuro</i> , 2014, 6, 175909141455494.	2.7	24
60	Sutherlandia frutescens Ethanol Extracts Inhibit Oxidative Stress and Inflammatory Responses in Neurons and Microglial Cells. <i>PLoS ONE</i> , 2014, 9, e89748.	2.5	23
61	Neuroprotective effects of a nanocrystal formulation of sPLA2 inhibitor PX-18 in cerebral ischemia/reperfusion in gerbils. <i>Brain Research</i> , 2009, 1285, 188-195.	2.2	22
62	From Analysis of Ischemic Mouse Brain Proteome to Identification of Human Serum Clusterin as a Potential Biomarker for Severity of Acute Ischemic Stroke. <i>Translational Stroke Research</i> , 2019, 10, 546-556.	4.2	20
63	Effects of metabotropic glutamate receptor 5 on latent inhibition in conditioned taste aversion. <i>Behavioural Brain Research</i> , 2005, 157, 71-78.	2.2	19
64	Repeated resveratrol treatment attenuates methamphetamine-induced hyperactivity and [3H]dopamine overflow in rodents. <i>Neuroscience Letters</i> , 2013, 554, 53-58.	2.1	17
65	Subchronic apocynin treatment attenuates methamphetamine-induced dopamine release and hyperactivity in rats. <i>Life Sciences</i> , 2014, 98, 6-11.	4.3	15
66	Botanical Polyphenols Mitigate Microglial Activation and Microglia-Induced Neurotoxicity: Role of Cytosolic Phospholipase A2. <i>NeuroMolecular Medicine</i> , 2016, 18, 415-425.	3.4	15
67	Effects of acute ethanol administration and cold exposure on the hypothalamic-pituitary-thyroid axis. <i>Endocrine</i> , 1995, 3, 39-47.	2.2	14
68	Changes in IP3R1 and SERCA2b mRNA levels in the gerbil brain after chronic ethanol administration and transient cerebral ischemia-reperfusion. <i>Molecular Brain Research</i> , 1998, 56, 22-28.	2.3	14
69	Effects of ischemic tolerance on mRNA levels of IP3R1, beta-actin, and neuron-specific enolase in hippocampal CA1 area of the gerbil brain. <i>Neurochemical Research</i> , 1998, 23, 539-542.	3.3	13
70	Ischemia-induced increase in RGS7 mRNA expression in gerbil hippocampus. <i>Neuroscience Letters</i> , 2006, 403, 157-161.	2.1	12
71	Changes in mRNA levels for group I metabotropic glutamate receptors following in utero hypoxia-induced ischemia. <i>Developmental Brain Research</i> , 1999, 112, 31-37.	1.7	9
72	Extracellular signal-regulated kinase 2 mRNA expression in the rat brain during aging. <i>Neurochemical Research</i> , 2003, 28, 1375-1378.	3.3	9

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73	Grape polyphenols inhibit chronic ethanol-induced COX-2 mRNA expression in rat brain. Alcoholism: Clinical and Experimental Research, 2002, 26, 352-7.	2.4	8
74	Anaemia worsens early functional outcome after traumatic brain injury: a preliminary study. Brain Injury, 2018, 32, 342-349.	1.2	4
75	Chronic Ethanol and Iron Administration on Iron Content, Neuronal Nitric Oxide Synthase, and Superoxide Dismutase in Rat Cerebellum. Alcoholism: Clinical and Experimental Research, 1999, 23, 702.	2.4	4
76	Botanical Phenolics and Neurodegeneration. Oxidative Stress and Disease, 2011, , 315-332.	0.3	2