Robert J Williams

List of Publications by Year
in descending order

77 papers	7,785 citations	116194 36 h-index	81351 76 g-index
77 all docs	77 docs citations	77 times ranked	11592 citing authors

#	Article	IF	Citations
1	Chromatin interaction maps identify Wnt responsive cis-regulatory elements coordinating Paupar-Pax6 expression in neuronal cells. PLoS Genetics, 2022, 18, e1010230.	1.5	6
2	Flavonoids as an Intervention for Alzheimerâ€™s Disease: Progress and Hurdles Towards Defining a Mechanism of Action1. Brain Plasticity, 2021, 6, 167-192.	1.9	36
3	Oral (â^')-Epicatechin Inhibits Progressive Tau Pathology in rTg4510 Mice Independent of Direct Actions at GSK3Î². Frontiers in Neuroscience, 2021, 15, 697319.	1.4	4
4	Neuro-nutraceuticals: Natural products nourish the brain but be aware of contrary effects. Neurochemistry International, 2021, 150, 105159.	1.9	5
5	A Downsized and Optimised Intracellular Library-Derived Peptide Prevents Alpha-Synuclein Primary Nucleation and Toxicity Without Impacting Upon Lipid Binding. Journal of Molecular Biology, 2021, 433, 167323.	2.0	8
6	A series of helical Î±-synuclein fibril polymorphs are populated in the presence of lipid vesicles. Npj Parkinson's Disease, 2020, 6, 17.	2.5	14
7	The Bidirectional Relationship Between Sleep and Inflammation Links Traumatic Brain Injury and Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 894.	1.4	27
8	The Library Derived 4554W Peptide Inhibits Primary Nucleation of Î±-Synuclein. Journal of Molecular Biology, 2020, 432, 166706.	2.0	12
9	Analysis of Protein Glycation Using Phenylboronate Acrylamide Gel Electrophoresis. Methods in Molecular Biology, 2019, 1855, 161-175.	0.4	2
10	Excitation-Energy-Dependent Molecular Beacon Detects Early Stage Neurotoxic AÎ² Aggregates in the Presence of Cortical Neurons. ACS Chemical Neuroscience, 2019, 10, 1240-1250.	1.7	8
11	Advanced Glycation End Products Modulate Amyloidogenic APP Processing and Tau Phosphorylation: A Mechanistic Link between Glycation and the Development of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 988-1000.	1.7	81
12	Macrophage Migration Inhibitory Factor is subjected to glucose modification and oxidation in Alzheimerâ€™s Disease. Scientific Reports, 2017, 7, 42874.	1.6	36
13	Structural evidence of quercetin multi-target bioactivity: A reverse virtual screening strategy. European Journal of Pharmaceutical Sciences, 2017, 106, 393-403.	1.9	33
14	Nutrition for the ageing brain: Towards evidence for an optimal diet. Ageing Research Reviews, 2017, 35, 222-240.	5.0	161
15	Increased Foxo3a Nuclear Translocation and Activity is an Early Neuronal Response to Î²Î³-Secretase-Mediated Processing of the Amyloid-Î² Protein Precursor: Utility of an AÎ²PP-GAL4 Reporter Assay. Journal of Alzheimer's Disease, 2017, 61, 673-688.	1.2	11
16	Neuro-nutraceuticals: Further insights into their promise for brain health. Neurochemistry International, 2016, 95, 1-3.	1.9	21
17	Dietary (â^')-epicatechin as a potent inhibitor of Î²Î³-secretase amyloid precursor protein processing. Neurobiology of Aging, 2015, 36, 178-187.	1.5	76
18	Neuro-nutraceuticals: The path to brain health via nourishment is not so distant. Neurochemistry International, 2015, 89, 1-6.	1.9	38

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19	Decreased rabphilin 3A immunoreactivity in Alzheimerâ€™s disease is associated with AÎ² burden. Neurochemistry International, 2014, 64, 29-36.	1.9	41
20	Analysis of protein glycation using fluorescent phenylboronate gel electrophoresis. Scientific Reports, 2013, 3, 1437.	1.6	18
21	AMPA Receptor Activation Promotes Non-Amyloidogenic Amyloid Precursor Protein Processing and Suppresses Neuronal Amyloid-Î² Production. PLoS ONE, 2013, 8, e78155.	1.1	27
22	Neuroprotective effects of phenolic antioxidant tBHQ associate with inhibition of FoxO3a nuclear translocation and activity. Journal of Neurochemistry, 2012, 123, 182-191.	2.1	40
23	Prion protein expression alters APP cleavage without interaction with BACE-1. Neurochemistry International, 2012, 61, 672-680.	1.9	12
24	Pro-oxidant diet enhances Î²/Î³ secretase-mediated APP processing in APP/PS1 transgenic mice. Neurobiology of Aging, 2012, 33, 960-968.	1.5	32
25	Tau phosphorylation in human brain: relationship to behavioral disturbance in dementia. Neurobiology of Aging, 2012, 33, 2798-2806.	1.5	35
26	Neuroinflammation: Modulation by flavonoids and mechanisms of action. Molecular Aspects of Medicine, 2012, 33, 83-97.	2.7	267
27	Flavonoids, cognition, and dementia: Actions, mechanisms, and potential therapeutic utility for Alzheimer disease. Free Radical Biology and Medicine, 2012, 52, 35-45.	1.3	391
28	Synthesis, physicalâ€“chemical characterisation and biological evaluation of novel 2-amido-3-hydroxypyridin-4(1H)-ones: Iron chelators with the potential for treating Alzheimerâ€™s disease. Bioorganic and Medicinal Chemistry, 2011, 19, 1285-1297.	1.4	45
29	Tumour necrosis factor alpha induces rapid reduction in AMPA receptorâ€mediated calcium entry in motor neurones by increasing cell surface expression of the GluR2 subunit: relevance to neurodegeneration. Journal of Neurochemistry, 2010, 113, 692-703.	2.1	29
30	Association of Plasma Clusterin Concentration With Severity, Pathology, and Progression in Alzheimer Disease. Archives of General Psychiatry, 2010, 67, 739.	13.8	353
31	The citrus flavanone naringenin inhibits inflammatory signalling in glial cells and protects against neuroinflammatory injury. Archives of Biochemistry and Biophysics, 2009, 484, 100-109.	1.4	189
32	Synaptic NMDA Receptor Activation Stimulates Î±-Secretase Amyloid Precursor Protein Processing and Inhibits Amyloid-Î² Production. Journal of Neuroscience, 2009, 29, 4442-4460.	1.7	162
33	Neuroprotective actions of deferiprone in cultured cortical neurones and SHSYâ€5Y cells. Journal of Neurochemistry, 2008, 105, 2466-2476.	2.1	72
34	Dietary flavonoid (â^')epicatechin stimulates phosphatidylinositol 3â€kinaseâ€dependent antiâ€oxidant response element activity and upâ€regulates glutathione in cortical astrocytes. Journal of Neurochemistry, 2008, 106, 2194-2204.	2.1	74
35	Neuroprotective effects of hesperetin in mouse primary neurones are independent of CREB activation. Neuroscience Letters, 2008, 438, 29-33.	1.0	52
36	Glial metabolism of quercetin reduces its neurotoxic potential. Archives of Biochemistry and Biophysics, 2008, 478, 195-200.	1.4	24

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37	AÎ²1â€“42 modulation of Akt phosphorylation via Î±7 nAChR and NMDA receptors. Neurobiology of Aging, 2008, 29, 992-1001.	1.5	65
38	Phosphatidylinositol 3-Kinase Is a Key Mediator of Central Sensitization in Painful Inflammatory Conditions. Journal of Neuroscience, 2008, 28, 4261-4270.	1.7	131
39	CB2 cannabinoid receptors promote mouse neural stem cell proliferation. European Journal of Neuroscience, 2007, 25, 629-634.	1.2	126
40	(-)Epicatechin stimulates ERK-dependent cyclic AMP response element activity and up-regulates GluR2 in cortical neurons. Journal of Neurochemistry, 2007, 101, 1596-1606.	2.1	167
41	Activation of proâ€survival Akt and ERK1/2 signalling pathways underlie the antiâ€apoptotic effects of flavanones in cortical neurons. Journal of Neurochemistry, 2007, 103, 1355-1367.	2.1	236
42	Metals ions and neurodegeneration. BioMetals, 2007, 20, 639-654.	1.8	186
43	Cyclin-dependent kinase 5, Munc18a and Munc18-interacting protein 1/X11Î± protein up-regulation in Alzheimerâ€™s disease. Neuroscience, 2006, 138, 511-522.	1.1	32
44	Serotonin transporter expression is not sufficient to confer cytotoxicity to 3,4-methylenedioxymethamphetamine (MDMA) in vitro. Journal of Psychopharmacology, 2006, 20, 257-263.	2.0	5
45	Activity-dependent phosphorylation of Akt/PKB in adult DRG neurons. European Journal of Neuroscience, 2005, 21, 1785-1797.	1.2	45
46	Expression of SOD1 G93A or wildâ€type SOD1 in primary cultures of astrocytes downâ€regulates the glutamate transporter GLTâ€1: lack of involvement of oxidative stress. Journal of Neurochemistry, 2004, 88, 481-493.	2.1	57
47	Flavonoids: antioxidants or signalling molecules?. Free Radical Biology and Medicine, 2004, 36, 838-849.	1.3	1,705
48	Inhibiting Src family tyrosine kinase activity blocks glutamate signalling to ERK1/2 and Akt/PKB but not JNK in cultured striatal neurones. Journal of Neurochemistry, 2004, 88, 1127-1139.	2.1	45
49	Zincâ€“histidine complex protects cultured cortical neurons against oxidative stress-induced damage. Neuroscience Letters, 2004, 371, 106-110.	1.0	14
50	The â€˜glialâ€™ glutamate transporter, EAAT2 (Glt-1) accounts for high affinity glutamate uptake into adult rodent nerve endings. Journal of Neurochemistry, 2003, 84, 522-532.	2.1	95
51	Intracellular metabolism and bioactivity of quercetin and its in vivo metabolites. Biochemical Journal, 2003, 372, 173-181.	1.7	232
52	Modulation of Pro-survival Akt/Protein Kinase B and ERK1/2 Signaling Cascades by Quercetin and Its in Vivo Metabolites Underlie Their Action on Neuronal Viability. Journal of Biological Chemistry, 2003, 278, 34783-34793.	1.6	295
53	Noxious Stimulation Induces Trk Receptor and Downstream ERK Phosphorylation in Spinal Dorsal Horn. Molecular and Cellular Neurosciences, 2002, 21, 684-695.	1.0	121
54	MAPK signaling in neurodegeneration: influences of flavonoids and of nitric oxide. Neurobiology of Aging, 2002, 23, 861-880.	1.5	301

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55	Hydrogen peroxide-mediated phosphorylation of ERK1/2, Akt/PKB and JNK in cortical neurones: dependence on Ca2+ and PI3-kinase. Journal of Neurochemistry, 2002, 80, 24-35.	2.1	189
56	Phosphatidylinositol 3-kinase is a central mediator of NMDA receptor signalling to MAP kinase (Erk1/2), Akt/PKB and CREB in striatal neurones. Journal of Neurochemistry, 2002, 80, 239-254.	2.1	201
57	Glucose Regulates Glutamate-Evoked Arachidonic Acid Release from Cultured Striatal Neurons. Journal of Neurochemistry, 2002, 65, 241-249.	2.1	22
58	Hydrogen Peroxide Enhances Signal-Responsive Arachidonic Acid Release from Neurons: Role of Mitogen-Activated Protein Kinase. Journal of Neurochemistry, 2002, 70, 2082-2090.	2.1	81
59	Flavonoids protect neurons from oxidized low-density-lipoprotein-induced apoptosis involving c-Jun N-terminal kinase (JNK), c-Jun and caspase-3. Biochemical Journal, 2001, 358, 547.	1.7	184
60	Contrasting influences of glucuronidation and O -methylation of epicatechin on hydrogen peroxide-induced cell death in neurons and fibroblasts. Free Radical Biology and Medicine, 2001, 31, 1139-1146.	1.3	141
61	Phenolic antioxidants attenuate neuronal cell death following uptake of oxidized low-density lipoprotein. Free Radical Biology and Medicine, 2000, 29, 1222-1233.	1.3	159
62	Ca²⁺-Permeable AMPA Receptors Induce Phosphorylation of cAMP Response Element-Binding Protein through a Phosphatidylinositol 3-Kinase-Dependent Stimulation of the Mitogen-Activated Protein Kinase Signaling Cascade in Neurons. Journal of Neuroscience, 1999, 19, 5861-5874.	1.7	187
63	Genes encoding multiple forms of phospholipase A2 are expressed in rat brain. Neuroscience Letters, 1998, 258, 139-142.	1.0	107
64	Reduction of gaba and glutamate transporter messenger rnas in the severe-seizure genetically epilepsy-prone rat. Neuroscience, 1998, 85, 1235-1251.	1.1	62
65	Ethanol modulates N-methyl-d-aspartate-evoked arachidonic acid release from neurones. European Journal of Pharmacology, 1997, 340, 27-34.	1.7	14
66	Reduced glucose metabolism enhances the glutamate-evoked release of arachidonic acid from striatal neurons. Neuroscience, 1996, 74, 461-468.	1.1	18
67	Cyclothiazide Unmasks an AMPAâ€Evoked Release of Arachidonic Acid from Cultured Striatal Neurones. Journal of Neurochemistry, 1996, 67, 1551-1558.	2.1	17
68	Measurement of Adenylyl Cyclase Activity in Cell Membranes. , 1995, 41, 63-78.		3
69	Inhibition of ADP-ribosyltransferase increases synthesis of GsÎ± in neuroblastoma Ã— glioma hybrid cells and reverses iloprost-dependent heterologous loss of fluoride-sensitive adenylate cyclase. Biochemical Pharmacology, 1995, 49, 767-776.	2.0	3
70	Effects of acute and chronic ethanol on cyclic AMP accumulation in NG108â€15 cells: differential dependence of changes on extracellular adenosine. British Journal of Pharmacology, 1995, 114, 1433-1441.	2.7	8
71	GsÎ±-dependent and -independent desensitisation of prostanoid IP receptor-activated adenylyl cyclase in NG108-15 cells. European Journal of Pharmacology, 1994, 268, 177-186.	2.7	16
72	Specific binding sites for human luteinizing hormone in Neurospora crassa and Saccharomyces cerevisiae. Mycological Research, 1994, 98, 1229-1234.	2.5	1

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73	Chronic Ethanol Reduces Immunologically Detectable Gq?/11?in NG108?15 Cells. Journal of Neurochemistry, 1993, 61, 1163-1166.	2.1	15
74	Characterization of a factor(s) from partially purified human gonadotrophin preparations which inhibit(s) the binding of radiolabelled human LH and human chorionic gonadotrophin to Candida albicans. Journal of Endocrinology, 1991, 128, 139-151.	1.2	6
75	Binding sites for LH in Candida albicans: comparison with the mammalian corpus luteum LH receptor. Journal of Endocrinology, 1991, 130, 177-190.	1.2	15
76	Receptor-mediated elevation of adenylate cyclase by luteinizing hormone in Candida albicans. Journal of General Microbiology, 1990, 136, 2143-2148.	2.3	15
77	Specific, high-affinity binding sites for human luteinizing hormone (hLH) and human chorionic gonadotrophin (hCG) in candida species. Biochemical and Biophysical Research Communications, 1990, 167, 1050-1056.	1.0	21