Peter R Dodd

List of Publications by Citations

115 papers	7,920 citations	37 h-index	88 g-index
119 ext. papers	8,609 ext. citations	5.4 avg, IF	5.3 L-index

#	Paper	IF	Citations
115	Association of missense and 5'-splice-site mutations in tau with the inherited dementia FTDP-17. *Nature*, **1998**, 393, 702-5	50.4	2903
114	Glutamate-mediated excitotoxicity and neurodegeneration in Alzheimer's disease. *Neurochemistry International*, **2004**, 45, 583-95	4.4	654
113	Gene Expression in Human Alcoholism: Microarray Analysis of Frontal Cortex. *Alcoholism: Clinical and Experimental Research*, **2000**, 24, 1873-1882	3.7	307
112	Patterns of gene expression are altered in the frontal and motor cortices of human alcoholics. *Journal of Neurochemistry*, **2002**, 81, 802-13	6	265
111	Biochemical and molecular studies using human autopsy brain tissue. *Journal of Neurochemistry*, **2003**, 85, 543-62	6	202
110	Patterns of gene expression in the frontal cortex discriminate alcoholic from nonalcoholic individuals. *Neuropsychopharmacology*, **2006**, 31, 1574-82	8.7	201
109	Glutamate-mediated transmission, alcohol, and alcoholism. *Neurochemistry International*, **2000**, 37, 509-38	4.4	154
108	Up-regulation of microRNAs in brain of human alcoholics. *Alcoholism: Clinical and Experimental Research*, **2011**, 35, 1928-37	3.7	147
107	Glutamate-glutamine cycling in Alzheimer's disease. *Neurochemistry International*, **2007**, 50, 1052-66	4.4	110
106	Gene expression profiling of individual cases reveals consistent transcriptional changes in alcoholic human brain. *Journal of Neurochemistry*, **2004**, 90, 1050-8	6	109
105	Glutamate transporter variants reduce glutamate uptake in Alzheimer's disease. *Neurobiology of Aging*, **2011**, 32, 553.e1-11	5.6	100
104	Alcoholic neurobiology: changes in dependence and recovery. *Alcoholism: Clinical and Experimental Research*, **2005**, 29, 1504-13	3.7	99
103	Glial glutamate transporter expression patterns in brains from multiple mammalian species. *Glia*, **2005**, 49, 520-41	9	96
102	Differential expression of N-methyl-D-aspartate receptor NR2 isoforms in Alzheimer's disease. *Journal of Neurochemistry*, **2004**, 90, 913-9	6	88
101	Aberrant expression of the glutamate transporter excitatory amino acid transporter 1 (EAAT1) in Alzheimer's disease. *Journal of Neuroscience*, **2002**, 22, RC206	6.6	87
100	Intralaminar neurochemical distributions in human midtemporal cortex: comparison between Alzheimer's disease and the normal. *Journal of Neurochemistry*, **1984**, 42, 1402-10	6	87
99	Metabolically active synaptosomes can be prepared from frozen rat and human brain. *Journal of Neurochemistry*, **1983**, 40, 608-14	6	84

98	Plasma GABA, GABA-like activity and the brain GABA-benzodiazepine receptor complex in rats with chronic hepatic encephalopathy. *Hepatology*, **1987**, 7, 621-8	11.2	79
97	A comparison of methodologies for the study of functional transmitter neurochemistry in human brain. *Journal of Neurochemistry*, **1988**, 50, 1333-45	6	77
96	Reduction in post-synaptic scaffolding PSD-95 and SAP-102 protein levels in the Alzheimer inferior temporal cortex is correlated with disease pathology. *Journal of Alzheimer's Disease*, **2010**, 21, 795-811	4.3	66
95	Selective loss of synaptic proteins in Alzheimer's disease: evidence for an increased severity with APOE varepsilon4. *Neurochemistry International*, **2006**, 49, 631-9	4.4	66
94	Expression of the alpha 1, alpha 2 and alpha 3 isoforms of the GABAA receptor in human alcoholic brain. *Brain Research*, **1997**, 751, 102-12	3.7	65
93	Amino acid neurotransmitter receptor changes in cerebral cortex in alcoholism: effect of cirrhosis of the liver. *Journal of Neurochemistry*, **1992**, 59, 1506-15	6	59
92	Pharmacology of morphine and morphine-3-glucuronide at opioid, excitatory amino acid, GABA and glycine binding sites. *Basic and Clinical Pharmacology and Toxicology*, **1994**, 75, 73-81		57
91	Glutamate and gamma-aminobutyric acid neurotransmitter systems in the acute phase of maple syrup urine disease and citrullinemia encephalopathies in newborn calves. *Journal of Neurochemistry*, **1992**, 59, 582-90	6	57
90	Altered gene expression profiles in the frontal cortex of cirrhotic alcoholics. *Alcoholism: Clinical and Experimental Research*, **2007**, 31, 1460-6	3.7	55
89	The application of proteomics to the human alcoholic brain. *Annals of the New York Academy of Sciences*, **2004**, 1025, 14-26	6.5	55
88	Variant forms of neuronal glutamate transporter sites in Alzheimer's disease cerebral cortex. *Journal of Neurochemistry*, **1995**, 64, 2193-202	6	52
87	Excitotoxic mechanisms in the pathogenesis of dementia. *Neurochemistry International*, **1994**, 25, 203-19	4.4	52
86	Localization of a brain sulfotransferase, SULT4A1, in the human and rat brain: an immunohistochemical study. *Journal of Histochemistry and Cytochemistry*, **2003**, 51, 1655-64	3.4	50
85	Application of DNA microarrays to study human alcoholism. *Journal of Biomedical Science*, **2001**, 8, 28-36	13.3	49
84	Alterations in cortical [3H]kainate and alpha-[3H]amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid binding in a spontaneous canine model of chronic hepatic encephalopathy. *Journal of Neurochemistry*, **1991**, 56, 1881-8	6	46
83	Characterization of non-conventional opioid binding sites in rat and human lung. *European Journal of Pharmacology*, **1994**, 268, 247-55		45
82	Selective loss of NMDA receptor NR1 subunit isoforms in Alzheimer's disease. *Journal of Neurochemistry*, **2004**, 89, 240-7	6	42
81	SWATH analysis of the synaptic proteome in Alzheimer's disease. *Neurochemistry International*, **2015**, 87, 1-12	4.4	39

80	Glutamate(NMDA) receptor NR1 subunit mRNA expression in Alzheimer's disease. *Journal of Neurochemistry*, **2001**, 78, 175-82	6	39
79	Neurochemical studies on quinolone antibiotics: effects on glutamate, GABA and adenosine systems in mammalian CNS. *Basic and Clinical Pharmacology and Toxicology*, **1989**, 64, 404-11		38
78	Post-synaptic scaffolding protein interactions with glutamate receptors in synaptic dysfunction and Alzheimer's disease. *Progress in Neurobiology*, **2011**, 93, 509-21	10.9	37
77	Differential expression of the GABA transporters GAT-1 and GAT-3 in brains of rats, cats, monkeys and humans. *Cell and Tissue Research*, **2005**, 320, 379-92	4.2	35
76	Cofilin rods and aggregates concur with tau pathology and the development of Alzheimer's disease. *Journal of Alzheimer's Disease*, **2014**, 42, 1443-60	4.3	34
75	Excited to death: different ways to lose your neurones. *Biogerontology*, **2002**, 3, 51-6	4.5	34
74	The synaptic proteome in Alzheimer's disease. *Alzheimer's and Dementia*, **2013**, 9, 499-511	1.2	33
73	Structure-activity studies of conantokins as human N-methyl-D-aspartate receptor modulators. *Journal of Medicinal Chemistry*, **1999**, 42, 415-26	8.3	33
72	Role for the neurexin-neuroligin complex in Alzheimer's disease. *Neurobiology of Aging*, **2014**, 35, 746-56	5.6	32
71	Reduced expression of the inhibitory synapse scaffolding protein gephyrin in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2008**, 14, 313-21	4.3	31
70	The expression of NMDA receptor subunit mRNA in human chronic alcoholics. *Annals of the New York Academy of Sciences*, **2008**, 1139, 10-9	6.5	31
69	Molecular cloning and characterization of hNP22: a gene up-regulated in human alcoholic brain. *Journal of Neurochemistry*, **2001**, 76, 1275-81	6	31
68	The identification and characterization of excitotoxic nerve-endings in Alzheimer disease. *Current Alzheimer Research*, **2004**, 1, 11-25	3	29
67	The role of group I metabotropic glutamate receptors in neuronal excitotoxicity in Alzheimer's disease. *Neurotoxicity Research*, **2005**, 7, 125-41	4.3	27
66	Increased Expression of Mitochondrial Genes in Human Alcoholic Brain Revealed by Differential Display. *Alcoholism: Clinical and Experimental Research*, **1999**, 23, 408-413	3.7	27
65	Synaptic proteome changes in the superior frontal gyrus and occipital cortex of the alcoholic brain. *Proteomics - Clinical Applications*, **2009**, 3, 730-742	3.1	26
64	Housekeepers for accurate transcript expression analysis in Alzheimer's disease autopsy brain tissue. *Alzheimer's and Dementia*, **2010**, 6, 465-74	1.2	25
63	Development of DNA aptamers targeting low-molecular-weight amyloid-β peptide aggregates in vitro. *Chemical Communications*, **2018**, 54, 4593-4596	5.8	23

62	Differential expression of 14-3-3 isoforms in human alcoholic brain. *Alcoholism: Clinical and Experimental Research*, **2011**, 35, 1041-9	3.7	23
61	GABA(A) receptor alpha-subunit proteins in human chronic alcoholics. *Journal of Neurochemistry*, **2001**, 78, 424-34	6	23
60	Emerging roles for brain drug-metabolizing cytochrome P450 enzymes in neuropsychiatric conditions and responses to drugs. *Drug Metabolism Reviews*, **2016**, 48, 379-404	7	23
59	Exon-skipping splice variants of excitatory amino acid transporter-2 (EAAT2) form heteromeric complexes with full-length EAAT2. *Journal of Biological Chemistry*, **2010**, 285, 31313-24	5.4	22
58	Use of post-mortem human synaptosomes for studies of metabolism and transmitter amino acid release. *Neuroscience Letters*, **1982**, 33, 317-22	3.3	22
57	Spermine modulation of the glutamate(NMDA) receptor is differentially responsive to conantokins in normal and Alzheimer's disease human cerebral cortex. *Journal of Neurochemistry*, **2002**, 81, 765-79	6	21
56	Alcohol, alcoholic brain damage, and GABAA receptor isoform gene expression. *Neurochemistry International*, **1996**, 29, 677-84	4.4	21
55	Receptor binding sites and uptake activities mediating GABA neurotransmission in chronic alcoholics with Wernicke encephalopathy. *Brain Research*, **1996**, 710, 215-28	3.7	21
54	Targeted quantitative analysis of synaptic proteins in Alzheimer's disease brain. *Neurochemistry International*, **2014**, 75, 66-75	4.4	20
53	Genes and gene expression in the brain of the alcoholic. *Addictive Behaviors*, **2004**, 29, 1295-309	4.2	19
52	Reduced expression of □synuclein in alcoholic brain: influence of SNCA-Rep1 genotype. *Addiction Biology*, **2014**, 19, 509-15	4.6	18
51	Cortical dihydropyridine binding sites are unaltered in human alcoholic brain. *Annals of Neurology*, **1989**, 26, 395-7	9.4	18
50	Analysis of multiple exon-skipping mRNA splice variants using SYBR Green real-time RT-PCR. *Journal of Neuroscience Methods*, **2007**, 160, 294-301	3	17
49	Nucleic Acid-Based Theranostics for Tackling Alzheimer's Disease. *Theranostics*, **2017**, 7, 3933-3947	12.1	15
48	mGlu5 Receptor Functional Interactions and Addiction. *Frontiers in Pharmacology*, **2012**, 3, 84	5.6	15
47	Zolpidem binding sites on the GABA(A) receptor in brain from human cirrhotic and non-cirrhotic alcoholics. *European Journal of Pharmacology*, **1997**, 326, 265-72	5.3	15
46	GABA(A) receptor beta isoform protein expression in human alcoholic brain: interaction with genotype. *Neurochemistry International*, **2006**, 49, 557-67	4.4	15
45	Increased gamma-aminobutyric acid receptor function in the cerebral cortex of myoclonic calves with an hereditary deficit in glycine/strychnine receptors. *Journal of Neurochemistry*, **1990**, 55, 421-6	6	15

44	Metabolic strategies for the degradation of the neuromodulator agmatine in mammals. *Metabolism: Clinical and Experimental*, **2018**, 81, 35-44	12.7	15
43	New insights into Alzheimer's disease pathogenesis: the involvement of neuroligins in synaptic malfunction. *Neurodegenerative Disease Management*, **2015**, 5, 137-45	2.8	14
42	Developmental rearrangements of cortical glutamate-NMDA receptor binding sites in late human gestation. *Developmental Brain Research*, **1995**, 88, 178-85		14
41	Gene expression profiling of cytochromes P450, ABC transporters and their principal transcription factors in the amygdala and prefrontal cortex of alcoholics, smokers and drug-free controls by qRT-PCR. *Xenobiotica*, **2015**, 45, 1129-37	2	13
40	Upregulation of beta-catenin levels in superior frontal cortex of chronic alcoholics. *Alcoholism: Clinical and Experimental Research*, **2008**, 32, 1080-90	3.7	13
39	Sex differences in NMDA receptor expression in human alcoholics. *Alcohol and Alcoholism*, **2009**, 44, 594-601	3.7	12
38	Association of polymorphisms in RGS4 and expression of RGS transcripts in the brains of human alcoholics. *Brain Research*, **2010**, 1340, 1-9	3.7	12
37	Expression of GABA(A) receptor isoform genes in the cerebral cortex of cirrhotic and alcoholic cases assessed by S1 nuclease protection assays. *Neurochemistry International*, **1998**, 32, 375-85	4.4	12
36	Plasma GABA-like activity in rats with hepatic encephalopathy is due to GABA and taurine. *Hepatology*, **1990**, 11, 105-10	11.2	12
35	Nucleic acid aptamers as novel class of therapeutics to mitigate Alzheimer's disease pathology. *Current Alzheimer Research*, **2013**, 10, 442-8	3	12
34	A method for the quantitation of the alpha 1, alpha 2, and alpha 3 isoforms of the GABAA receptor in human brain using competitive PCR. *Brain Research Protocols*, **1997**, 1, 347-56		11
33	GABAA receptor beta subunit mRNA expression in the human alcoholic brain. *Neurochemistry International*, **2004**, 45, 1011-20	4.4	11
32	Genes and gene expression in the brains of human alcoholics. *Annals of the New York Academy of Sciences*, **2006**, 1074, 104-15	6.5	10
31	Patterns of substance use in male incarcerated drug users in Sri Lanka. *Drug and Alcohol Review*, **2009**, 28, 600-7	3.2	9
30	Quantitation of alternatively spliced NMDA receptor NR1 isoform mRNA transcripts in human brain by competitive RT-PCR. *Brain Research Protocols*, **2003**, 11, 52-66		9
29	The modulatory effect of spermine on the glutamate-NMDA receptor is regionally variable in normal human adult cerebral cortex. *Basic and Clinical Pharmacology and Toxicology*, **1999**, 84, 135-42		9
28	Benzodiazepine binding sites in alcoholic cirrhotics: evidence for gender differences. *Metabolic Brain Disease*, **1995**, 10, 93-104	3.9	9
27	The nature of d,l-fenfluramine-induced 5-HT reuptake transporter loss in rats. *Molecular Neurobiology*, **1995**, 11, 165-75	6.2	9

26	Cortical NMDA receptor expression in human chronic alcoholism: influence of the TaqIA allele of ANKK1. *Neurochemical Research*, **2009**, 34, 1775-82	4.6	8
25	Expression and distribution of GABAA receptor subtypes in human alcoholic cerebral cortex. *Annals of the New York Academy of Sciences*, **2000**, 914, 58-64	6.5	8
24	Transmitter amino acid neurochemistry in chronic alcoholism with and without cirrhosis of the liver. *Drug and Alcohol Review*, **1993**, 12, 91-7	3.2	8
23	Regional expression of dopamine D1 and D2 receptor proteins in the cerebral cortex of asphyxic newborn infants. *Journal of Child Neurology*, **2009**, 24, 183-93	2.5	7
22	Gene Expression in Human Alcoholism: Microarray Analysis of Frontal Cortex **2000**, 24, 1873		7
21	Methods for the identification of differentially expressed genes in human post-mortem brain. *Methods*, **2003**, 31, 301-5	4.6	6
20	Quantitation of NMDA receptor NR2 mRNA transcripts in human brain by competitive RT-PCR. *Brain Research Protocols*, **2003**, 11, 67-79		6
19	Expression Profiling in Alcoholism Research. *Alcoholism: Clinical and Experimental Research*, **2005**, 29, 1066-1073	3.7	6
18	New evidence for a loss of serotonergic nerve terminals in rats treated with d,l-fenfluramine. *Basic and Clinical Pharmacology and Toxicology*, **1993**, 72, 249-55		6
17	Application of DNA microarrays to study human alcoholism **2001**, 8, 28		6
16	Regional development of glutamate-N-methyl-D-aspartate receptor sites in asphyxiated newborn infants. *Journal of Child Neurology*, **1998**, 13, 149-57	2.5	5
15	The neurochemical pathology of thiamine deficiency: GABAA and glutamateNMDA receptor binding sites in a goat model. *Metabolic Brain Disease*, **1996**, 11, 39-54	3.9	5
14	Differential expression of β-synuclein splice variants in the brain of alcohol misusers: Influence of genotype. *Drug and Alcohol Dependence*, **2015**, 155, 284-92	4.9	4
13	Electrically evoked synaptosomal amino acid transmitter release in human brain in alcohol misuse. *NeuroSignals*, **2011**, 19, 117-27	1.9	4
12	Concentrations of transferrin and carbohydrate-deficient transferrin in postmortem human brain from alcoholics. *Addiction Biology*, **1997**, 2, 337-48	4.6	4
11	GABA(A) receptor sites in the developing human foetus. *Developmental Brain Research*, **2002**, 139, 107-19		3
10	Quantitation of human brain GABAA receptor beta isoforms by competitive RT-PCR. *Brain Research Protocols*, **2003**, 11, 19-26		3
9	Sex Differences in the Expression of the δ Subunit of the GABA Receptor in Alcoholics with and without Cirrhosis of the Liver. *Alcoholism: Clinical and Experimental Research*, **2020**, 44, 423-434	3.7	3

8	Brain extracts containing a Huntington disease antigen inhibit [3H]kainate binding and block synaptosomal amino acid transport. *Neurochemistry International*, **1993**, 23, 131-8	4.4	2
7	The interaction of a Huntington disease factor with receptors for the neurotoxin kainic acid. *Metabolic Brain Disease*, **1991**, 6, 213-24	3.9	1
6	The interplay between genotype and gene expression in human brain **2007**, 3-22		
5	Metabolic Abnormalities in Alzheimer Disease **2009**, 483-530		
4	Role of Ionotropic Glutamate Receptors in Neurodegenerative and Other Disorders **2014**, 1039-1070		
3	Multiple reaction monitoring for the detection of disease-related synaptic proteins. *Neural Regeneration Research*, **2014**, 9, 2042-3	4.5	
2	Role of Ionotropic Glutamate Receptors in Neurodegenerative and Other Disorders **2021**, 1-29		
1	Sex differences in GABA receptor subunit transcript expression are mediated by genotype in subjects with alcohol-related cirrhosis of the liver.. *Genes, Brain and Behavior*, **2022**, e12785	3.6	