Philip W J Burnet

List of Publications by Year in Descending Order

90 papers	5,476 citations	39 h-index	73 g-index
91 ext. papers	6,201 ext. citations	6.2 avg, IF	5.62 L-index

#	Paper	IF	Citations
90	Multispecies probiotic administration reduces emotional salience and improves mood in subjects with moderate depression: a randomised, double-blind, placebo-controlled study.. *Psychological Medicine*, **2022**, 1-11	6.9	2
89	Modifying the maternal microbiota alters the gut-brain metabolome and prevents emotional dysfunction in the adult offspring of obese dams.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	3
88	Anxiolytic effects of a galacto-oligosaccharides prebiotic in healthy females (18-25 years) with corresponding changes in gut bacterial composition. *Scientific Reports*, **2021**, 11, 8302	4.9	9
87	Endocannabinoid system mediates the association between gut-microbial diversity and anhedonia/amotivation in a general population cohort. *Molecular Psychiatry*, **2021**,	15.1	5
86	The gut-microbiome as a target for the treatment of schizophrenia: A systematic review and meta-analysis of randomised controlled trials of add-on strategies. *Schizophrenia Research*, **2021**, 234, 1-13	3.6	10
85	Mom's diet matters: Maternal prebiotic intake in mice reduces anxiety and alters brain gene expression and the fecal microbiome in offspring. *Brain, Behavior, and Immunity*, **2021**, 91, 230-244	16.6	7
84	Gut dysbiosis in severe mental illness and chronic fatigue: a novel trans-diagnostic construct? A systematic review and meta-analysis. *Molecular Psychiatry*, **2021**,	15.1	12
83	What Is Our Understanding of the Influence of Gut Microbiota on the Pathophysiology of Parkinson's Disease?. *Frontiers in Neuroscience*, **2021**, 15, 708587	5.1	2
82	Postnatal prebiotic supplementation in rats affects adult anxious behaviour, hippocampus, electrophysiology, metabolomics, and gut microbiota. *IScience*, **2021**, 24, 103113	6.1	2
81	The role of the microbiome in the neurobiology of social behaviour. *Biological Reviews*, **2020**, 95, 1131-1166	11.5	30
80	A single administration of the antibiotic, minocycline, reduces fear processing and improves implicit learning in healthy volunteers: analysis of the serum metabolome. *Translational Psychiatry*, **2020**, 10, 148	8.6	6
79	Microbial transmission in animal social networks and the social microbiome. *Nature Ecology and Evolution*, **2020**, 4, 1020-1035	12.3	47
78	A single administration of microbial D-alanine to healthy volunteers augments reaction to negative emotions: A comparison with D-serine. *Journal of Psychopharmacology*, **2020**, 34, 557-566	4.6	4
77	Nutrition and the ageing brain: Moving towards clinical applications. *Ageing Research Reviews*, **2020**, 62, 101079	12	29
76	Post-inflammatory behavioural despair in male mice is associated with reduced cortical glutamate-glutamine ratios, and circulating lipid and energy metabolites. *Scientific Reports*, **2020**, 10, 16857	4.9	8
75	Opposing effects of antibiotics and germ-free status on neuropeptide systems involved in social behaviour and pain regulation. *BMC Neuroscience*, **2020**, 21, 32	3.2	4
74	Prebiotic supplementation does not affect reading and cognitive performance in children: A randomised placebo-controlled study. *Journal of Psychopharmacology*, **2020**, 34, 148-152	4.6	1

73	The Gut Microbiome and Schizophrenia: The Current State of the Field and Clinical Applications. *Frontiers in Psychiatry*, **2020**, 11, 156	5	38
72	The Gut Microbiome in Anorexia Nervosa: Friend or Foe?. *Frontiers in Psychiatry*, **2020**, 11, 611677	5	4
71	Measuring Disturbance of the Endocannabinoid System in Psychosis: A Systematic Review and Meta-analysis. *JAMA Psychiatry*, **2019**, 76, 914-923	14.5	46
70	Pro-cognitive effect of a prebiotic in psychosis: A double blind placebo controlled cross-over study. *Schizophrenia Research*, **2019**, 208, 460-461	3.6	16
69	Prebiotic reduction of brain histone deacetylase (HDAC) activity and olanzapine-mediated weight gain in rats, are acetate independent. *Neuropharmacology*, **2019**, 150, 184-191	5.5	15
68	Prebiotic attenuation of olanzapine-induced weight gain in rats: analysis of central and peripheral biomarkers and gut microbiota. *Translational Psychiatry*, **2018**, 8, 66	8.6	66
67	The Microbiome in Psychology and Cognitive Neuroscience. *Trends in Cognitive Sciences*, **2018**, 22, 611-636	14	97
66	Increased cortical neuronal responses to NMDA and improved attentional set-shifting performance in rats following prebiotic (B-GOS) ingestion. *European Neuropsychopharmacology*, **2018**, 28, 211-224	1.2	50
65	Can prebiotics assist in the management of cognition and weight gain in schizophrenia?. *Psychoneuroendocrinology*, **2018**, 95, 179-185	5	9
64	Psychobiotics and the Manipulation of Bacteria-Gut-Brain Signals. *Trends in Neurosciences*, **2016**, 39, 763-781	13.3	446
63	The Influence of Prebiotics on Neurobiology and Behavior. *International Review of Neurobiology*, **2016**, 131, 21-48	4.4	24
62	Neonatal prebiotic (BGOS) supplementation increases the levels of synaptophysin, GluN2A-subunits and BDNF proteins in the adult rat hippocampus. *Synapse*, **2016**, 70, 121-4	2.4	58
61	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1-β levels in male mice. *Brain, Behavior, and Immunity*, **2016**, 52, 120-131	16.6	145
60	ON or OFF?: Modulating the N-Methyl-D-Aspartate Receptor in Major Depression. *Frontiers in Molecular Neuroscience*, **2016**, 9, 169	6.1	16
59	Microbiome: Should we diversify from diversity?. *Gut Microbes*, **2016**, 7, 455-458	8.8	36
58	The role of group II metabotropic glutamate receptors in cognition and anxiety: comparative studies in GRM2(-/-), GRM3(-/-) and GRM2/3(-/-) knockout mice. *Neuropharmacology*, **2015**, 89, 19-32	5.5	28
57	Prebiotic intake reduces the waking cortisol response and alters emotional bias in healthy volunteers. *Psychopharmacology*, **2015**, 232, 1793-801	4.7	287
56	D-amino acid oxidase is expressed in the ventral tegmental area and modulates cortical dopamine. *Frontiers in Synaptic Neuroscience*, **2014**, 6, 11	3.5	10

55	Increased burst-firing of ventral tegmental area dopaminergic neurons in D-amino acid oxidase knockout mice in vivo. *European Journal of Neuroscience*, **2014**, 40, 2999-3009	3.5	11
54	Expression of ZNF804A in human brain and alterations in schizophrenia, bipolar disorder, and major depressive disorder: a novel transcript fetally regulated by the psychosis risk variant rs1344706. *JAMA Psychiatry*, **2014**, 71, 1112-20	14.5	89
53	Psychobiotics highlight the pathways to happiness. *Biological Psychiatry*, **2013**, 74, 708-9	7.9	25
52	Prebiotic feeding elevates central brain derived neurotrophic factor, N-methyl-D-aspartate receptor subunits and D-serine. *Neurochemistry International*, **2013**, 63, 756-64	4.4	229
51	Genetic mouse models relevant to schizophrenia: taking stock and looking forward. *Neuropharmacology*, **2012**, 62, 1164-7	5.5	16
50	Gut bacteria and brain function: the challenges of a growing field. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E175; author reply E176	11.5	6
49	D-amino acid oxidase knockdown in the mouse cerebellum reduces NR2A mRNA. *Molecular and Cellular Neurosciences*, **2011**, 46, 167-75	4.8	15
48	Hippocampal mossy fiber long-term depression in Grm2/3 double knockout mice. *Synapse*, **2011**, 65, 945-54	2.4	22
47	Fractionation of spatial memory in GRM2/3 (mGlu2/mGlu3) double knockout mice reveals a role for group II metabotropic glutamate receptors at the interface between arousal and cognition. *Neuropsychopharmacology*, **2011**, 36, 2616-28	8.7	49
46	The neurobiology of D-amino acid oxidase and its involvement in schizophrenia. *Molecular Psychiatry*, **2010**, 15, 122-37	15.1	115
45	D-Serine metabolism in C6 glioma cells: Involvement of alanine-serine-cysteine transporter (ASCT2) and serine racemase (SRR) but not D-amino acid oxidase (DAO). *Journal of Neuroscience Research*, **2010**, 88, 1829-40	4.4	18
44	D-amino acid oxidase activity and expression are increased in schizophrenia. *Molecular Psychiatry*, **2008**, 13, 658-60	15.1	84
43	Expression of D-serine and glycine transporters in the prefrontal cortex and cerebellum in schizophrenia. *Schizophrenia Research*, **2008**, 102, 283-94	3.6	33
42	The group II metabotropic glutamate receptor 3 (mGluR3, mGlu3, GRM3): expression, function and involvement in schizophrenia. *Journal of Psychopharmacology*, **2008**, 22, 308-22	4.6	136
41	Altered hippocampal expression of glutamate receptors and transporters in GRM2 and GRM3 knockout mice. *Synapse*, **2008**, 62, 842-50	2.4	43
40	d-Amino acid oxidase and serine racemase in human brain: normal distribution and altered expression in schizophrenia. *European Journal of Neuroscience*, **2007**, 26, 1657-69	3.5	143
39	Decreased hippocampal expression of the susceptibility gene PPP3CC and other calcineurin subunits in schizophrenia. *Biological Psychiatry*, **2005**, 57, 702-10	7.9	62
38	A rapid new assay to detect RNA editing reveals antipsychotic-induced changes in serotonin-2C transcripts. *Molecular Pharmacology*, **2005**, 68, 711-9	4.3	34

37	Catechol-o-methyltransferase (COMT) and proline dehydrogenase (PRODH) mRNAs in the dorsolateral prefrontal cortex in schizophrenia, bipolar disorder, and major depression. *Synapse*, **2004**, 51, 112-8	2.4	75
36	Antipsychotics increase microtubule-associated protein 2 mRNA but not spinophilin mRNA in rat hippocampus and cortex. *Journal of Neuroscience Research*, **2004**, 76, 376-82	4.4	23
35	Laser-assisted microdissection: methods for the molecular analysis of psychiatric disorders at a cellular resolution. *Biological Psychiatry*, **2004**, 55, 107-11	7.9	15
34	5-HT6 receptor binding sites in schizophrenia and following antipsychotic drug administration: autoradiographic studies with [125I]SB-258585. *Synapse*, **2002**, 45, 191-9	2.4	81
33	An RT-PCR study of 5-HT(6) and 5-HT(7) receptor mRNAs in the hippocampal formation and prefrontal cortex in schizophrenia. *Schizophrenia Research*, **2002**, 57, 15-26	3.6	52
32	Expression of serotonin 5-HT(2A) receptors in the human cerebellum and alterations in schizophrenia. *Synapse*, **2001**, 42, 104-14	2.4	68
31	RNA editing of the 5-HT(2C) receptor is reduced in schizophrenia. *Molecular Psychiatry*, **2001**, 6, 373-9	15.1	141
30	Electroconvulsive shock increases tachykinin NK(1) receptors, but not the encoding mRNA, in rat cortex. *European Journal of Pharmacology*, **2001**, 413, 213-9	5.3	7
29	Expression of complexin I and II mRNAs and their regulation by antipsychotic drugs in the rat forebrain. *Synapse*, **2000**, 36, 167-77	2.4	38
28	Substance P (NK1) receptors in the cingulate cortex in unipolar and bipolar mood disorder and schizophrenia. *Biological Psychiatry*, **2000**, 47, 80-3	7.9	53
27	Expression of 5-HT receptors and the 5-HT transporter in rat brain after electroconvulsive shock. *Neuroscience Letters*, **1999**, 277, 79-82	3.3	30
26	The 5-HT2A (serotonin2A) receptor gene in the aetiology, pathophysiology and pharmacotherapy of schizophrenia. *Journal of Psychopharmacology*, **1997**, 11, 18-20	4.6	20
25	Gene expression and neuronal activity in schizophrenia: a study of polyadenylated mRNA in the hippocampal formation and cerebral cortex. *Schizophrenia Research*, **1997**, 26, 93-102	3.6	21
24	GluR2 glutamate receptor subunit flip and flop isoforms are decreased in the hippocampal formation in schizophrenia: a reverse transcriptase-polymerase chain reaction (RT-PCR) study. *Molecular Brain Research*, **1997**, 44, 92-8		81
23	Critical issues in the antisense inhibition of brain gene expression in vivo: experiences targetting the 5-HT1A receptor. *Neurochemistry International*, **1997**, 31, 349-62	4.4	16
22	[3H]WAY-100635 for 5-HT1A receptor autoradiography in human brain: a comparison with [3H]8-OH-DPAT and demonstration of increased binding in the frontal cortex in schizophrenia. *Neurochemistry International*, **1997**, 30, 565-74	4.4	150
21	Hippocampal 5-HT1A receptor binding site densities, 5-HT1A receptor messenger ribonucleic acid abundance and serotonin levels parallel the activity of the hypothalamo-pituitary-adrenal axis in rats. *Behavioural Brain Research*, **1996**, 73, 365-68	3.4	22
20	The effects of clozapine and haloperidol on serotonin-1A, -2A and -2C receptor gene expression and serotonin metabolism in the rat forebrain. *Neuroscience*, **1996**, 73, 531-40	3.9	70

19	Hippocampal and cortical G protein (Gs alpha, G(o) alpha and Gi2 alpha) mRNA expression after electroconvulsive shock or lithium carbonate treatment. *European Journal of Pharmacology*, **1996**, 306, 249-55	5.3	18
18	Contrasting effects of electroconvulsive shock on mRNAs encoding the high affinity kainate receptor subunits (KA1 and KA2) and cyclophilin in the rat. *Brain Research*, **1996**, 710, 97-102	3.7	13
17	5-HT1A and 5-HT2A receptor mRNAs and binding site densities are differentially altered in schizophrenia. *Neuropsychopharmacology*, **1996**, 15, 442-55	8.7	231
16	The distribution of 5-HT1A and 5-HT2A receptor mRNA in human brain. *Brain Research*, **1995**, 676, 157-68	3.7	244
15	The relative importance of premortem acidosis and postmortem interval for human brain gene expression studies: selective mRNA vulnerability and comparison with their encoded proteins. *Neuroscience Letters*, **1995**, 200, 151-4	3.3	306
14	Decreased expression of mRNAs encoding non-NMDA glutamate receptors GluR1 and GluR2 in medial temporal lobe neurons in schizophrenia. *Molecular Brain Research*, **1995**, 29, 211-23		178
13	Genetic variation of the 5-HT2A receptor and response to clozapine. *Lancet, The*, **1995**, 346, 908-9	40	97
12	Altered synaptophysin expression as a marker of synaptic pathology in schizophrenia. *Neuroscience*, **1995**, 66, 309-19	3.9	181
11	Repeated ECS differentially affects rat brain 5-HT1A and 5-HT2A receptor expression. *NeuroReport*, **1995**, 6, 901-4	1.7	51
10	Differential changes in glutamate receptor subunit messenger RNAs in rat brain after haloperidol treatment. *Journal of Psychopharmacology*, **1994**, 8, 196-203	4.6	19
9	Synaptophysin gene expression in human brain: a quantitative in situ hybridization and immunocytochemical study. *Neuroscience*, **1994**, 59, 881-92	3.9	81
8	The effect of chronic imipramine administration on the densities of 5-HT1A and 5-HT2 receptors and the abundances of 5-HT receptor and transporter mRNA in the cortex, hippocampus and dorsal raphe of three strains of rat. *Brain Research*, **1994**, 638, 311-24	3.7	92
7	Detection and quantitation of 5-HT1A and 5-HT2A receptor mRNAs in human hippocampus using a reverse transcriptase-polymerase chain reaction (RT-PCR) technique and their correlation with binding site densities and age. *Neuroscience Letters*, **1994**, 178, 85-9	3.3	57
6	AMPA glutamate receptors and their flip and flop mRNAs in human hippocampus. *NeuroReport*, **1994**, 5, 1325-1328	1.7	22
5	Striatal synaptophysin expression and haloperidol-induced synaptic plasticity. *NeuroReport*, **1994**, 5, 677-80	1.7	34
4	Hippocampal 8-[3H]hydroxy-2-(di-n-propylamino) tetralin binding site densities, serotonin receptor (5-HT1A) messenger ribonucleic acid abundance, and serotonin levels parallel the activity of the hypothalamopituitary-adrenal axis in rat. *Journal of Neurochemistry*, **1992**, 59, 1062-70	6	73
3	Effect of ACTH on VIP and galanin release from the pituitary. *Endocrinology*, **1990**, 126, 1283-7	4.8	15
2	Characterization of glucagon-like peptide-1-(7-36)amide in the hypothalamus. *Brain Research*, **1989**, 502, 325-31	3.7	93

List of Publications

1 Anxiolytic effects of a galacto-oligosaccharides prebiotic in healthy female volunteers are associated with reduced negative bias and the gut bacterial composition 1