

Yung H Wong

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,865
citations

22
h-index

40
g-index

75
ext. papers

2,036
ext. citations

5.4
avg, IF

4.7
L-index

#	Paper	IF	Citations
74	Molecular mechanisms and regulation of opioid receptor signaling. <i>Annual Review of Pharmacology and Toxicology</i> , 2000 , 40, 389-430	17.9	528
73	Melatonin mt1 and MT2 receptors stimulate c-Jun N-terminal kinase via pertussis toxin-sensitive and -insensitive G proteins. <i>Cellular Signalling</i> , 2002 , 14, 249-57	4.9	119
72	Promoting axon regeneration in the adult CNS by modulation of the melanopsin/GPCR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1937-42	11.5	68
71	G(z) signaling: emerging divergence from G(i) signaling. <i>Oncogene</i> , 2001 , 20, 1615-25	9.2	66
70	Preactivation permits subsequent stimulation of phospholipase C by G(i)-coupled receptors. <i>Molecular Pharmacology</i> , 2000 , 57, 700-8	4.3	59
69	Differential Coupling of μ and δ Opioid Receptors to G β 6-Mediated Stimulation of Phospholipase C. <i>Journal of Neurochemistry</i> , 2002 , 70, 2203-2211	6	58
68	Galpha(14) links a variety of G(i)- and G(s)-coupled receptors to the stimulation of phospholipase C. <i>British Journal of Pharmacology</i> , 2001 , 132, 1431-40	8.6	49
67	Pertussis toxin-insensitive signaling of the ORL1 receptor: coupling to Gz and G16 proteins. <i>Journal of Neurochemistry</i> , 1998 , 71, 2203-10	6	40
66	Differential chemokine activation of CC chemokine receptor 1-regulated pathways: ligand selective activation of Galpha 14-coupled pathways. <i>European Journal of Immunology</i> , 2004 , 34, 785-795	6.1	36
65	The calcitonin gene-related peptide-induced acetylcholinesterase synthesis in cultured chick myotubes is mediated by cyclic AMP. <i>Journal of Neurochemistry</i> , 1998 , 71, 152-60	6	36
64	Injured adult retinal axons with Pten and Socs3 co-deletion reform active synapses with suprachiasmatic neurons. <i>Neurobiology of Disease</i> , 2015 , 73, 366-76	7.5	35
63	Regulation of adenylyl cyclase, ERK1/2, and CREB by Gz following acute and chronic activation of the delta-opioid receptor. <i>Journal of Neurochemistry</i> , 2000 , 74, 1685-93	6	30
62	Integration of G protein signals by extracellular signal-regulated protein kinases in SK-N-MC neuroepithelioma cells. <i>Journal of Neurochemistry</i> , 2005 , 94, 1457-70	6	28
61	Activation of muscarinic M4 receptor augments NGF-induced pro-survival Akt signaling in PC12 cells. <i>Cellular Signalling</i> , 2006 , 18, 285-93	4.9	27
60	Gbeta3 forms distinct dimers with specific Ggamma subunits and preferentially activates the beta3 isoform of phospholipase C. <i>Cellular Signalling</i> , 2009 , 21, 737-44	4.9	26
59	Regulator of G protein signaling 20 enhances cancer cell aggregation, migration, invasion and adhesion. <i>Cellular Signalling</i> , 2016 , 28, 1663-72	4.9	25
58	Formyl peptide receptor like 1 differentially requires mitogen-activated protein kinases for the induction of glial fibrillary acidic protein and interleukin-1alpha in human U87 astrocytoma cells. <i>Cellular Signalling</i> , 2007 , 19, 2106-17	4.9	24

57	Dopaminergic and adrenergic toxicities on SK-N-MC human neuroblastoma cells are mediated through G protein signaling and oxidative stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 167-79	5.4	24
56	BML-190 and AM251 act as inverse agonists at the human cannabinoid CB2 receptor: signalling via cAMP and inositol phosphates. <i>FEBS Letters</i> , 2003 , 536, 157-60	3.8	24
55	Role of G Protein-Coupled Receptors in the Regulation of Structural Plasticity and Cognitive Function. <i>Molecules</i> , 2017 , 22,	4.8	23
54	RGS19 inhibits Ras signaling through Nm23H1/2-mediated phosphorylation of the kinase suppressor of Ras. <i>Cellular Signalling</i> , 2013 , 25, 1064-74	4.9	23
53	Activation of STAT3 by specific Galpha subunits and multiple Gbetagamma dimers. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1052-9	5.6	23
52	CCR1-mediated STAT3 tyrosine phosphorylation and CXCL8 expression in THP-1 macrophage-like cells involve pertussis toxin-insensitive G(i1/4/16) signaling and IL-6 release. <i>Journal of Immunology</i> , 2012 , 189, 5266-76	5.3	22
51	A molecular and chemical perspective in defining melatonin receptor subtype selectivity. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 18385-406	6.3	22
50	Prostacyclin receptor-independent inhibition of phospholipase C activity by non-prostanoid prostacyclin mimetics. <i>British Journal of Pharmacology</i> , 2001 , 134, 1375-84	8.6	22
49	Opioid-induced adenylyl cyclase supersensitization in human embryonic kidney 293 cells requires pertussis toxin-sensitive G proteins other than G(i1) and G(i3). <i>Neuroscience Letters</i> , 2001 , 299, 25-8	3.3	21
48	Regulator of G protein signaling 19 suppresses Ras-induced neoplastic transformation and tumorigenesis. <i>Cancer Letters</i> , 2013 , 339, 33-41	9.9	18
47	Gq-mediated activation of c-Jun N-terminal kinase by the gastrin-releasing peptide-preferring bombesin receptor is inhibited upon costimulation of the Gs-coupled dopamine D1 receptor in COS-7 cells. <i>Molecular Pharmacology</i> , 2005 , 68, 1354-64	4.3	17
46	Metastasis suppressors Nm23H1 and Nm23H2 differentially regulate neoplastic transformation and tumorigenesis. <i>Cancer Letters</i> , 2015 , 361, 207-17	9.9	16
45	Galpha16 activates Ras by forming a complex with tetratricopeptide repeat 1 (TPR1) and Son of Sevenless (SOS). <i>Cellular Signalling</i> , 2010 , 22, 1448-58	4.9	16
44	Age Associated Decrease of MT-1 Melatonin Receptor in Human Dermal Skin Fibroblasts Impairs Protection Against UV-Induced DNA Damage. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	15
43	Regulation of calcium influx and phospholipase C activity by indoleamines in dinoflagellate <i>Cryptocodinium cohnii</i> . <i>Journal of Pineal Research</i> , 1998 , 24, 152-61	10.4	15
42	Replacement of the alpha5 helix of Galpha16 with Galphas-specific sequences enhances promiscuity of Galpha16 toward Gs-coupled receptors. <i>Cellular Signalling</i> , 2004 , 16, 51-62	4.9	14
41	The RhoA-specific guanine nucleotide exchange factor p63RhoGEF binds to activated Galpha(16) and inhibits the canonical phospholipase Cbeta pathway. <i>Cellular Signalling</i> , 2009 , 21, 1317-25	4.9	13
40	Activation of delta-, kappa-, and mu-opioid receptors induces phosphorylation of tuberlin in transfected HEK 293 cells and native cells. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 334, 838-44	3.4	13

39	CCR1-mediated activation of Nuclear Factor-kappaB in THP-1 monocytic cells involves Pertussis Toxin-insensitive Galpha(14) and Galpha(16) signaling cascades. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 1319-29	6.5	12
38	Multiple Gi proteins participate in nerve growth factor-induced activation of c-Jun N-terminal kinases in PC12 cells. <i>Neurochemical Research</i> , 2009 , 34, 1101-12	4.6	12
37	G protein signaling controls the differentiation of multiple cell lineages. <i>BioFactors</i> , 2009 , 35, 232-8	6.1	12
36	Chimeric Galpha(q) mutants harboring the last five carboxy-terminal residues of Galpha(i2) or Galpha(o) are resistant to pertussis toxin-catalyzed ADP-ribosylation. <i>FEBS Letters</i> , 1998 , 441, 67-70	3.8	12
35	Role of extracellular signal-regulated kinases in opioid-induced adenylyl cyclase superactivation in human embryonic kidney 293 cells. <i>Neuroscience Letters</i> , 2001 , 316, 13-6	3.3	12
34	Stimulation of phospholipase C by the cloned mu, delta and kappa opioid receptors via chimeric G alpha(q) mutants. <i>European Journal of Neuroscience</i> , 1999 , 11, 383-8	3.5	12
33	Epidermal growth factor differentially augments G(i)-mediated stimulation of c-Jun N-terminal kinase activity. <i>British Journal of Pharmacology</i> , 2004 , 142, 635-46	8.6	11
32	ADP-ribosylation with pertussis toxin modulates the GTP-sensitive opioid ligand binding in digitonin-soluble extracts of rat brain membranes. <i>Journal of Neurochemistry</i> , 1988 , 51, 114-21	6	11
31	RGS19 upregulates Nm23-H1/2 metastasis suppressors by transcriptional activation via the cAMP/PKA/CREB pathway. <i>Oncotarget</i> , 2017 , 8, 69945-69960	3.3	10
30	GPCRs in Autocrine and Paracrine Regulations. <i>Frontiers in Endocrinology</i> , 2019 , 10, 428	5.7	10
29	Gβ-mediated activation of protein kinase D exhibits subunit specificity and requires Gβ-responsive phospholipase C isoforms. <i>Cell Communication and Signaling</i> , 2013 , 11, 22	7.5	10
28	Chimeric Galphaq subunits can distinguish the long form of the Xenopus Mel1c melatonin receptor from the mammalian mt1 and MT2 melatonin receptors. <i>Journal of Pineal Research</i> , 2001 , 30, 171-9	10.4	10
27	Regulatory functions of Nm23-H2 in tumorigenesis: insights from biochemical to clinical perspectives. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 243-56	3.4	9
26	Activation of Ras-dependent signaling pathways by G(14) -coupled receptors requires the adaptor protein TPR1. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 3486-97	4.7	9
25	3-Methoxyphenylpropyl amides as novel receptor subtype-selective melatonergic ligands: characterization of physicochemical and pharmacokinetic properties. <i>Xenobiotica</i> , 2011 , 41, 35-45	2	9
24	Prostacyclin receptor-induced STAT3 phosphorylation in human erythroleukemia cells is mediated via Galpha(s) and Galpha(16) hybrid signaling. <i>Cellular Signalling</i> , 2008 , 20, 2095-106	4.9	9
23	Transcriptional activation of c-Fos by constitutively active Galpha(16)QL through a STAT1-dependent pathway. <i>Cellular Signalling</i> , 2006 , 18, 2143-53	4.9	9
22	CKBM stimulates MAPKs but inhibits LPS-induced IFN-gamma in lymphocytes. <i>Phytotherapy Research</i> , 2006 , 20, 725-31	6.7	9

21	Angiotensin-[1-12] interacts with angiotensin type I receptors. <i>Neuropharmacology</i> , 2014 , 81, 267-73	5.5	8
20	Functional role of amino-terminal serine16 and serine27 of G alphaZ in receptor and effector coupling. <i>Journal of Neurochemistry</i> , 1997 , 68, 2514-22	6	8
19	Regulation of mTOR and p70 S6 kinase by the muscarinic M4 receptor in PC12 cells. <i>Cell Biology International</i> , 2009 , 33, 230-8	4.5	7
18	Mutations on the Switch III region and the alpha3 helix of Galpha16 differentially affect receptor coupling and regulation of downstream effectors. <i>Journal of Molecular Signaling</i> , 2008 , 3, 17	1	6
17	Small Molecules as Drugs to Upregulate Metastasis Suppressors in Cancer Cells. <i>Current Medicinal Chemistry</i> , 2019 , 26, 5876-5899	4.3	6
16	CTCF and EGR1 suppress breast cancer cell migration through transcriptional control of Nm23-H1. <i>Scientific Reports</i> , 2021 , 11, 491	4.9	6
15	Elevated expression of RGS19 impairs the responsiveness of stress-activated protein kinases to serum. <i>Molecular and Cellular Biochemistry</i> , 2012 , 362, 159-68	4.2	5
14	Activation of the human FPRL-1 receptor promotes Ca2+ mobilization in U87 astrocytoma cells. <i>Neurochemical Research</i> , 2008 , 33, 125-33	4.6	5
13	Neuronal functions of activators of G protein signaling. <i>NeuroSignals</i> , 2013 , 21, 259-71	1.9	4
12	Pharmacokinetics, oral bioavailability and metabolism of a novel isoquinolinone-based melatonin receptor agonist in rats. <i>Xenobiotica</i> , 2012 , 42, 1138-50	2	4
11	Differential Regulation of CXCL8 Production by Different G Protein Subunits with Synergistic Stimulation by Gi- and Gq-Regulated Pathways. <i>Journal of Molecular Biology</i> , 2016 , 428, 3869-84	6.5	4
10	Molecular basis defining the selectivity of substituted isoquinolinones for the melatonin MT receptor. <i>Biochemical Pharmacology</i> , 2020 , 177, 114020	6	3
9	Activation of Gβ subunits up-regulates the expression of the tumor suppressor Fhit. <i>Cellular Signalling</i> , 2013 , 25, 2440-52	4.9	3
8	An intact helical domain is required for Gβ4 to stimulate phospholipase C. <i>BMC Structural Biology</i> , 2015 , 15, 18	2.7	3
7	The beta6/alpha5 regions of Galpha12 and GalphaoA increase the promiscuity of Galpha16 but are insufficient for pertussis toxin-catalyzed ADP-ribosylation. <i>European Journal of Pharmacology</i> , 2003 , 473, 105-15	5.3	3
6	Synthesis and functional characterization of substituted isoquinolinones as MT2-selective melatonergic ligands. <i>PLoS ONE</i> , 2014 , 9, e113638	3.7	3
5	Re-examining the Dissociation Model of G protein activation from the perspective of Gβ signaling. <i>FEBS Journal</i> , 2021 , 288, 2490-2501	5.7	3
4	Association of activated Gβ to the tumor suppressor Fhit is enhanced by phospholipase C. <i>BMC Cancer</i> , 2015 , 15, 775	4.8	1

- 3 Activator of G protein signaling 3 forms a complex with resistance to inhibitors of cholinesterase-8A without promoting nucleotide exchange on G β 13). *Molecular and Cellular Biochemistry*, **2015**, 401, 27-38 4.2 ○
- 2 Modeling the Heterodimer Interfaces of Melatonin Receptors. *Frontiers in Cellular Neuroscience*, **2021**, 15, 725296 6.1
- 1 Mutations at the dimer interface and surface residues of Nm23-H1 metastasis suppressor affect its expression and function. *Molecular and Cellular Biochemistry*, **2020**, 474, 95-112 4.2