

# Qin Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2911983/publications.pdf>

Version: 2024-02-01

88  
papers

2,890  
citations

159585

30  
h-index

182427

51  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4588  
citing authors

#	ARTICLE	IF	CITATIONS
1	MEMBRANETRAFFICKING OF G PROTEIN-COUPLED RECEPTORS. Annual Review of Pharmacology and Toxicology, 2004, 44, 559-609.	9.4	194
2	Noradrenergic dysfunction in Alzheimer's disease. Frontiers in Neuroscience, 2015, 9, 220.	2.8	153
3	Spinophilin Blocks Arrestin Actions in Vitro and in Vivo at G Protein-Coupled Receptors. Science, 2004, 304, 1940-1944.	12.6	148
4	Dimethyl Fumarate Selectively Reduces Memory T Cells and Shifts the Balance between Th1/Th17 and Th2 in Multiple Sclerosis Patients. Journal of Immunology, 2017, 198, 3069-3080.	0.8	136
5	Tau-Dependent Kv4.2 Depletion and Dendritic Hyperexcitability in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2015, 35, 6221-6230.	3.6	126
6	Agonist-regulated Interaction between $\beta_2$ -Adrenergic Receptors and Spinophilin. Journal of Biological Chemistry, 2001, 276, 15003-15008.	3.4	114
7	Dimethyl Fumarate Protects Neural Stem/Progenitor Cells and Neurons from Oxidative Damage through Nrf2-ERK1/2 MAPK Pathway. International Journal of Molecular Sciences, 2015, 16, 13885-13907.	4.1	107
8	Bidirectional regulatory potentials of short-chain fatty acids and their G-protein-coupled receptors in autoimmune neuroinflammation. Scientific Reports, 2019, 9, 8837.	3.3	104
9	$\beta_2$ adrenergic receptor dysregulation in depressive disorders: Implications for the neurobiology of depression and antidepressant therapy. Neuroscience and Biobehavioral Reviews, 2012, 36, 2214-2225.	6.1	94
10	$\beta_2$ -amyloid redirects norepinephrine signaling to activate the pathogenic GSK3 $\beta$ /tau cascade. Science Translational Medicine, 2020, 12, .	12.4	86
11	Dimethyl fumarate treatment of relapsing-remitting multiple sclerosis influences B-cell subsets. Neurology: Neuroimmunology and Neuroinflammation, 2016, 3, e211.	6.0	73
12	Regulated Interactions of the $\beta_2$ Adrenergic Receptor with Spinophilin, $\beta_3$ , and Arrestin 3. Journal of Biological Chemistry, 2002, 277, 50589-50596.	3.4	66
13	Strength of cholinergic tone dictates the polarity of dopamine D2 receptor modulation of striatal cholinergic interneuron excitability in DYT1 dystonia. Experimental Neurology, 2017, 295, 162-175.	4.1	64
14	A pilot systematic genomic comparison of recurrence risks of hepatitis B virus-associated hepatocellular carcinoma with low- and high-degree liver fibrosis. BMC Medicine, 2017, 15, 214.	5.5	64
15	$\beta_2$ adrenergic receptor promotes amyloidogenesis through disrupting APP-SorLA interaction. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17296-17301.	7.1	63
16	Dicer activity in neural crest cells is essential for craniofacial organogenesis and pharyngeal arch artery morphogenesis. Mechanisms of Development, 2011, 128, 200-207.	1.7	61
17	Spinophilin Stabilizes Cell Surface Expression of $\beta_2$ -Adrenergic Receptors. Journal of Biological Chemistry, 2003, 278, 32405-32412.	3.4	59
18	Myocardial Smad4 Is Essential for Cardiogenesis in Mouse Embryos. Circulation Research, 2007, 101, 277-285.	4.5	59

#	ARTICLE	IF	CITATIONS
19	Arrestin Serves as a Molecular Switch, Linking Endogenous $\beta_2$ -Adrenergic Receptor to SRC-dependent, but Not SRC-independent, ERK Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 25948-25955.	3.4	52
20	Disruption of Smad4 in neural crest cells leads to mid-gestation death with pharyngeal arch, craniofacial and cardiac defects. <i>Developmental Biology</i> , 2008, 316, 417-430.	2.0	50
21	Differential Modulation of $\beta_4$ - and $\beta$ -Opioid Receptor Agonists by Endogenous RGS4 Protein in SH-SY5Y Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 18357-18367.	3.4	48
22	CHD7 interacts with BMP R-SMADs to epigenetically regulate cardiogenesis in mice. <i>Human Molecular Genetics</i> , 2014, 23, 2145-2156.	2.9	48
23	The Blue Light-Dependent Phosphorylation of the CCE Domain Determines the Photosensitivity of Arabidopsis CRY2. <i>Molecular Plant</i> , 2015, 8, 631-643.	8.3	47
24	The $\beta_2$ -Adrenergic receptor is mutant in cortical myoclonus and epilepsy. <i>Annals of Neurology</i> , 2014, 75, 77-87.	5.3	42
25	The Antidepressant Desipramine Is an Arrestin-biased Ligand at the $\beta_2$ -Adrenergic Receptor Driving Receptor Down-regulation in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2011, 286, 36063-36075.	3.4	41
26	Selectivity and Anti-Parkinson <sup>TM</sup> s Potential of Thiadiazolidinone RGS4 Inhibitors. <i>ACS Chemical Neuroscience</i> , 2015, 6, 911-919.	3.5	41
27	Characterization of humoral response to COVID mRNA vaccines in multiple sclerosis patients on disease modifying therapies. <i>Vaccine</i> , 2021, 39, 6111-6116.	3.8	39
28	Regulation of $\beta_2$ AR trafficking and signaling by interacting proteins. <i>Biochemical Pharmacology</i> , 2007, 73, 1135-1145.	4.4	38
29	Complex noradrenergic dysfunction in Alzheimer <sup>TM</sup> s disease: Low norepinephrine input is not always to blame. <i>Brain Research</i> , 2019, 1702, 12-16.	2.2	37
30	$\beta_2$ -Adrenergic Agonist Enrichment of Spinophilin at the Cell Surface Involves $\beta_3$ Subunits of Gi Proteins and Is Preferentially Induced by the $\beta_2$ -Subtype. <i>Molecular Pharmacology</i> , 2005, 67, 1690-1696.	2.3	34
31	Current and Future Biomarkers in Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5877.	4.1	34
32	Epitope-tagged Receptor Knock-in Mice Reveal That Differential Desensitization of $\beta_2$ -Adrenergic Responses Is because of Ligand-selective Internalization. <i>Journal of Biological Chemistry</i> , 2009, 284, 13233-13243.	3.4	33
33	Neurabin Scaffolding of Adenosine Receptor and RGS4 Regulates Anti-Seizure Effect of Endogenous Adenosine. <i>Journal of Neuroscience</i> , 2012, 32, 2683-2695.	3.6	33
34	Cannabinoid modulation of $\alpha_2$ adrenergic receptor function in rodent medial prefrontal cortex. <i>European Journal of Neuroscience</i> , 2014, 40, 3202-3214.	2.6	30
35	CHD7 regulates cardiovascular development through ATP-dependent and -independent activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28847-28858.	7.1	27
36	$\beta_2$ -Adrenergic Receptors Filter Parabrachial Inputs to the Bed Nucleus of the Stria Terminalis. <i>Journal of Neuroscience</i> , 2014, 34, 9319-9331.	3.6	26

#	ARTICLE	IF	CITATIONS
37	Critical roles of miRNA-mediated regulation of TGF $\beta$ signalling during mouse cardiogenesis. <i>Cardiovascular Research</i> , 2014, 103, 258-267.	3.8	26
38	Noradrenergic antidepressant responses to desipramine <i>in vivo</i> are reciprocally regulated by arrestin3 and spinophilin. <i>Neuropharmacology</i> , 2012, 62, 2354-2362.	4.1	24
39	The amyloid precursor protein modulates $\beta$ -adrenergic receptor endocytosis and signaling through disrupting arrestin 3 recruitment. <i>FASEB Journal</i> , 2017, 31, 4434-4446.	0.5	24
40	Reductive stress promotes protein aggregation and impairs neurogenesis. <i>Redox Biology</i> , 2020, 37, 101739.	9.0	21
41	Using HEK293T Expression System to Study Photoactive Plant Cryptochromes. <i>Frontiers in Plant Science</i> , 2016, 7, 940.	3.6	20
42	<i>Sema6D</i> acts downstream of bone morphogenetic protein signalling to promote atrioventricular cushion development in mice. <i>Cardiovascular Research</i> , 2016, 112, 532-542.	3.8	20
43	Protein Kinase A Phosphorylation of Spinophilin Modulates Its Interaction with the $\beta$ -Adrenergic Receptor (AR) and Alters Temporal Properties of $\beta$ 2AR Internalization. <i>Journal of Biological Chemistry</i> , 2008, 283, 14516-14523.	3.4	19
44	The role of regulator of G protein signaling 4 in delta-opioid receptor-mediated behaviors. <i>Psychopharmacology</i> , 2017, 234, 29-39.	3.1	19
45	Non-invasive <i>in vivo</i> imaging for liver tumour progression using an orthotopic hepatocellular carcinoma model in immunocompetent mice. <i>Liver International</i> , 2011, 31, 1200-1208.	3.9	17
46	Cell autonomous requirement of endocardial <i>Smad4</i> during atrioventricular cushion development in mouse embryos. <i>Developmental Dynamics</i> , 2011, 240, 211-220.	1.8	17
47	Impact of Intrahepatic Hepatitis B DNA and Covalently Closed Circular DNA on Survival After Hepatectomy in HBV-Associated Hepatocellular Carcinoma Patients. <i>Annals of Surgical Oncology</i> , 2013, 20, 3761-3770.	1.5	17
48	The <i>in vivo</i> specificity of synaptic $G\beta_2$ and $G\beta_3$ subunits to the $\beta$ 2a adrenergic receptor at CNS synapses. <i>Scientific Reports</i> , 2019, 9, 1718.	3.3	17
49	Desipramine selectively potentiates norepinephrine-elicited ERK1/2 activation through the $\beta$ 2A adrenergic receptor. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 161-165.	2.1	16
50	$\beta$ 2 Adrenergic Receptor Trafficking as a Therapeutic Target in Antidepressant Drug Action. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 132, 207-225.	1.7	15
51	Periodontal Infection Aggravates C1q-Mediated Microglial Activation and Synapse Pruning in Alzheimer's Mice. <i>Frontiers in Immunology</i> , 2022, 13, 816640.	4.8	15
52	Characterization of the novel interaction between muskelin and TBX20, a critical cardiogenic transcription factor. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 338-343.	2.1	12
53	Impact of non-neoplastic vs intratumoural hepatitis B viral DNA and replication on hepatocellular carcinoma recurrence. <i>British Journal of Cancer</i> , 2016, 115, 841-847.	6.4	12
54	Clinical prognostic variables in young patients (under 40 years) with hepatitis B virus-associated hepatocellular carcinoma. <i>Journal of Digestive Diseases</i> , 2012, 13, 214-218.	1.5	11

#	ARTICLE	IF	CITATIONS
55	Imaging the immune response to monitor tumor immunotherapy. <i>Expert Review of Vaccines</i> , 2009, 8, 1427-1437.	4.4	10
56	Cross-talk from $\beta$ -Adrenergic Receptors Modulates $\beta$ 2-Adrenergic Receptor Endocytosis in Sympathetic Neurons via Protein Kinase A and Spinophilin. <i>Journal of Biological Chemistry</i> , 2013, 288, 29193-29205.	3.4	10
57	Tricyclic antidepressants exhibit variable pharmacological profiles at the $\beta$ 2 adrenergic receptor. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 461-466.	2.1	10
58	Age-dependent differential regulation of anxiety- and depression-related behaviors by neurabin and spinophilin. <i>PLoS ONE</i> , 2017, 12, e0180638.	2.5	10
59	Genetic Variations of $\beta$ 2-Adrenergic Receptors Illuminate the Diversity of Receptor Functions. <i>Current Topics in Membranes</i> , 2011, 67, 161-190.	0.9	8
60	Inactivation of $\beta$ 4 and $\beta$ 2-Adrenergic Receptors from the $\beta$ 1 Expression Domain Causes Abnormal Pharyngeal Arch Artery and Cardiac Outflow Tract Remodeling. <i>Cells Tissues Organs</i> , 2011, 193, 393-403.	2.3	7
61	Interferon beta (IFN- $\beta$ ) treatment exerts potential neuroprotective effects through neurotrophic factors and novel neurotensin/neurotensin high affinity receptor 1 pathway. <i>Neural Regeneration Research</i> , 2015, 10, 1932.	3.0	6
62	Elevated sCD40L in Secondary Progressive Multiple Sclerosis in Comparison to Non-progressive Benign and Relapsing Remitting Multiple Sclerosis. <i>Journal of Central Nervous System Disease</i> , 2021, 13, 117957352110507.	1.9	6
63	Knockout of spinophilin, an endogenous antagonist of arrestin-dependent $\beta$ 2-adrenoceptor functions, enhances receptor-mediated antinociception yet does not eliminate sex-related differences. <i>Behavioural Brain Research</i> , 2009, 197, 457-461.	2.2	4
64	A peptide blocking the ADORA1-neurabin interaction is anticonvulsant and inhibits epilepsy in an Alzheimer's model. <i>JCI Insight</i> , 2022, 7, .	5.0	4
65	Diverse arrestin-recruiting and endocytic profiles of tricyclic antipsychotics acting as direct $\beta$ 2 adrenergic receptor ligands. <i>Neuropharmacology</i> , 2017, 116, 38-49.	4.1	3
66	Spinophilin-deficient mice are protected from diet-induced obesity and insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E354-E362.	3.5	3
67	$\beta$ 2-Adrenergic Receptors. , 2012, , 55-58.		2
68	Effective Attenuation of Adenosine A1R Signaling by Neurabin Requires Oligomerization of Neurabin. <i>Molecular Pharmacology</i> , 2017, 92, 630-639.	2.3	2
69	Hemicholinium-3 sensitive choline transport in human T lymphocytes: Evidence for use as a proxy for brain choline transporter (CHT) capacity. <i>Neurochemistry International</i> , 2017, 108, 410-416.	3.8	2
70	Amyloid $\beta$ redirects norepinephrine signaling to activate the pathogenic GSK3 $\beta$ /tau cascade. <i>Alzheimer's and Dementia</i> , 2020, 16, e044769.	0.8	1
71	Alpha-2A Adrenergic Receptor. , 2016, , 1-4.		1
72	Optical coherence tomography and T cell gene expression analysis in patients with benign multiple sclerosis. <i>Neural Regeneration Research</i> , 2017, 12, 1352.	3.0	1

#	ARTICLE	IF	CITATIONS
73	Drp1 regulates transcription of ribosomal protein genes in embryonic hearts. Journal of Cell Science, 2022, 135, .	2.0	1
74	Spinophilin Is Indispensable for the $\alpha$ 2B Adrenergic Receptor-Elicited Hypertensive Response. PLoS ONE, 2015, 10, e0135030.	2.5	0
75	Arrestin serves as a molecular switch, linking endogenous $\alpha$ 2 adrenergic receptor to Src-dependent but not Src-independent ERK activation. FASEB Journal, 2006, 20, A254.	0.5	0
76	Regulation of $\alpha$ 2A AR trafficking by clonidine and guanfacine in native neurons. FASEB Journal, 2007, 21, A1209.	0.5	0
77	Desipramine is a novel modulator of norepinephrine-induced signaling through the $\alpha$ 2A adrenergic receptor. FASEB Journal, 2010, 24, 578.8.	0.5	0
78	Study of GPCR-Protein Interactions Using Gel Overlay Assays and Glutathione-S-Transferase-Fusion Protein Pull-Downs. Methods in Molecular Biology, 2011, 746, 347-355.	0.9	0
79	The $\alpha$ 2A adrenergic receptor evokes activation of p70S6 kinase through G protein and transactivation of EGFR. FASEB Journal, 2011, 25, 1009.1.	0.5	0
80	Neurabin scaffolding of adenosine receptor and RGS4 regulates anti-seizure effect of endogenous adenosine. FASEB Journal, 2012, 26, 838.4.	0.5	0
81	Tricyclic psychiatric medications as $\alpha$ 2A adrenergic receptor ligands modulating receptor function. FASEB Journal, 2012, 26, 1045.11.	0.5	0
82	Quantitative analysis of intrahepatic hepatitis B (HBV) DNA and cccDNA and their impact on survival posthepatectomy in HBV-associated hepatocellular carcinoma (HCC) patients.. Journal of Clinical Oncology, 2012, 30, e14583-e14583.	1.6	0
83	Negative regulation of $\text{A1R}$ -mediated Akt signaling by neurabin. FASEB Journal, 2013, 27, 656.9.	0.5	0
84	Crosstalk between beta and $\alpha$ 2 adrenergic receptors in sympathetic neurons relies on protein kinase A and spinophilin. FASEB Journal, 2013, 27, 882.2.	0.5	0
85	The specificity of $\text{G}\alpha_{i3}$ subunits regulating exocytosis through the adrenergic $\alpha$ 2a receptor. FASEB Journal, 2015, 29, 935.7.	0.5	0
86	Association of intratumoral regulatory T-cell accumulation in patients with hepatocellular carcinoma (HCC) with poor survival: Effect of autologous dendritic cell immunotherapy on selective reduction of regulatory T cells and survival.. Journal of Clinical Oncology, 2015, 33, e14023-e14023.	1.6	0
87	Alpha-2A Adrenergic Receptor. , 2018, , 290-293.		0
88	Modulation of Synaptic transmission: Quantitative analysis of $\text{G}\alpha_{i3}$ specificity to adrenergic $\alpha$ 2a receptor and SNARE.. FASEB Journal, 2018, 32, 557.6.	0.5	0