

# Gang Pei

## List of Publications by Year in descending order

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72  
papers

2,955  
citations

236612

25  
h-index

189595

50  
g-index

75  
all docs

75  
docs citations

75  
times ranked

6302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Conversion of Normal and Alzheimer's Disease Human Fibroblasts into Neuronal Cells by Small Molecules. <i>Cell Stem Cell</i> , 2015, 17, 204-212.	5.2	412
2	Generation of neural progenitor cells by chemical cocktails and hypoxia. <i>Cell Research</i> , 2014, 24, 665-679.	5.7	214
3	E-Cadherin-Mediated Cell-Cell Contact Is Critical for Induced Pluripotent Stem Cell Generation. <i>Stem Cells</i> , 2010, 28, 1315-1325.	1.4	207
4	ARRB1/β-arrestin-1 mediates neuroprotection through coordination of BECN1-dependent autophagy in cerebral ischemia. <i>Autophagy</i> , 2014, 10, 1535-1548.	4.3	130
5	Progesterone induces apoptosis and up-regulation of p53 expression in human ovarian carcinoma cell lines. , 1997, 79, 1944-1950.		108
6	Polysaccharides from <i>Ganoderma lucidum</i> Promote Cognitive Function and Neural Progenitor Proliferation in Mouse Model of Alzheimer's Disease. <i>Stem Cell Reports</i> , 2017, 8, 84-94.	2.3	106
7	Direct Generation of Human Neuronal Cells from Adult Astrocytes by Small Molecules. <i>Stem Cell Reports</i> , 2017, 8, 538-547.	2.3	106
8	Polysaccharides from <i>Ganoderma lucidum</i> attenuate microglia-mediated neuroinflammation and modulate microglial phagocytosis and behavioural response. <i>Journal of Neuroinflammation</i> , 2017, 14, 63.	3.1	91
9	A herbal medicine for Alzheimer's disease and its active constituents promote neural progenitor proliferation. <i>Aging Cell</i> , 2015, 14, 784-796.	3.0	85
10	Direct conversion of astrocytes into neuronal cells by drug cocktail. <i>Cell Research</i> , 2015, 25, 1269-1272.	5.7	81
11	Activation of p38 Mitogen-Activated Protein Kinase by Oxidized LDL in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 1999, 84, 831-839.	2.0	76
12	Lysophosphatidylcholine Activates p38 and p42/44 Mitogen-Activated Protein Kinases in Monocytic THP-1 Cells, but Only p38 Activation Is Involved in Its Stimulated Chemotaxis. <i>Circulation Research</i> , 2000, 87, 52-59.	2.0	76
13	Nongenomic Mechanisms of Glucocorticoid Inhibition of Nicotine-Induced Calcium Influx in PC12 Cells: Involvement of Protein Kinase C**This work was supported by a research grant from the Natural Science Foundation of China.. <i>Endocrinology</i> , 1998, 139, 5103-5108.	1.4	63
14	Functional expression, activation and desensitization of opioid receptor-like receptor ORL1 in neuroblastoma-glioma NG108-15 hybrid cells. <i>FEBS Letters</i> , 1997, 403, 91-94.	1.3	59
15	Chemokine receptor CCR5 functionally couples to inhibitory G proteins and undergoes desensitization. , 1998, 71, 36-45.		57
16	Mitochondria Are Dynamically Transferring Between Human Neural Cells and Alexander Disease-Associated GFAP Mutations Impair the Astrocytic Transfer. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 316.	1.8	57
17	Transdifferentiation: a new promise for neurodegenerative diseases. <i>Cell Death and Disease</i> , 2018, 9, 830.	2.7	49
18	Direct binding of β-arrestins to two distinct intracellular domains of the γ opioid receptor. <i>Journal of Neurochemistry</i> , 2001, 76, 1887-1894.	2.1	48

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19	Pertussis Toxin-insensitive Signaling of the ORL1 Receptor: Coupling to G <sub>z</sub> and G <sub>16</sub> Proteins. <i>Journal of Neurochemistry</i> , 1998, 71, 2203-2210.	2.1	45
20	Baicalein inhibits SARS-CoV-2/VSV replication with interfering mitochondrial oxidative phosphorylation in a mPTP dependent manner. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 266.	7.1	45
21	Rapid xenograft tumor progression in beta-arrestin1 transgenic mice due to enhanced tumor angiogenesis. <i>FASEB Journal</i> , 2008, 22, 355-364.	0.2	43
22	Naringin Dihydrochalcone Ameliorates Cognitive Deficits and Neuropathology in APP/PS1 Transgenic Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 169.	1.7	40
23	Smart Soup, a Traditional Chinese Medicine Formula, Ameliorates Amyloid Pathology and Related Cognitive Deficits. <i>PLoS ONE</i> , 2014, 9, e111215.	1.1	39
24	Polysaccharides from <i>Lycium barbarum</i> ameliorate amyloid pathology and cognitive functions in APP/PS1 transgenic mice. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 1004-1012.	3.6	35
25	Targeting the $\beta$ -secretase interaction reduces $\beta$ -amyloid generation and ameliorates Alzheimer's disease-related pathogenesis. <i>Cell Discovery</i> , 2015, 1, 15021.	3.1	31
26	The Amino Terminus with a Conserved Glutamic Acid of G Protein-Coupled Receptor Kinases Is Indispensable for Their Ability to Phosphorylate Photoactivated Rhodopsin. <i>Journal of Neurochemistry</i> , 2001, 73, 1222-1227.	2.1	30
27	Nociceptin/Orphanin FQ Activates Mitogen-Activated Protein Kinase in Chinese Hamster Ovary Cells Expressing Opioid Receptor-Like Receptor. <i>Journal of Neurochemistry</i> , 1998, 70, 1316-1322.	2.1	29
28	Traditional Chinese Nootropic Medicine Radix Polygalae and Its Active Constituent Onjisaponin B Reduce $\beta$ -Amyloid Production and Improve Cognitive Impairments. <i>PLoS ONE</i> , 2016, 11, e0151147.	1.1	27
29	An Anti-Parkinson's Disease Drug via Targeting Adenosine A2A Receptor Enhances Amyloid- $\beta$ Generation and $\beta$ -Secretase Activity. <i>PLoS ONE</i> , 2016, 11, e0166415.	1.1	26
30	Identification of alternative splicing variants of the $\beta$ subunit of human Ca <sup>2+</sup> /calmodulin-dependent protein kinase II with different activities. <i>FEBS Letters</i> , 2000, 475, 107-110.	1.3	24
31	Single-Cell Dynamic Analysis of Mitosis in Haploid Embryonic Stem Cells Shows the Prolonged Metaphase and Its Association with Self-diploidization. <i>Stem Cell Reports</i> , 2017, 8, 1124-1134.	2.3	24
32	Amyloid- $\beta$ Oligomers-induced Mitochondrial DNA Repair Impairment Contributes to Altered Human Neural Stem Cell Differentiation. <i>Current Alzheimer Research</i> , 2019, 16, 934-949.	0.7	22
33	Molecular characterization and functional expression of opioid receptor-like1 receptor. <i>Cell Research</i> , 1997, 7, 69-77.	5.7	21
34	Nociceptin/orphanin FQ stimulates extracellular acidification and desensitization of the response involves protein kinase C. <i>FEBS Letters</i> , 1997, 412, 253-256.	1.3	20
35	Acute desensitization of nociceptin/orphanin FQ inhibition of voltage-gated calcium channels in freshly dissociated hippocampal neurons. <i>European Journal of Neuroscience</i> , 1999, 11, 3610-3616.	1.2	20
36	Lysophosphatidic acid acts as a nutrient-derived developmental cue to regulate early hematopoiesis. <i>EMBO Journal</i> , 2014, 33, 1383-1396.	3.5	20

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37	$\beta$ -arrestin1 Is Critical for the Full Activation of NLRP3 and NLRC4 Inflammasomes. <i>Journal of Immunology</i> , 2015, 194, 1867-1873.	0.4	20
38	Constitutive activity of a G protein-coupled receptor, DRD1, contributes to human cerebral organoid formation. <i>Stem Cells</i> , 2020, 38, 653-665.	1.4	20
39	Suppression of glioblastoma by a drug cocktail reprogramming tumor cells into neuronal like cells. <i>Scientific Reports</i> , 2019, 9, 3462.	1.6	19
40	Neurogenesis-Promoting Natural Product $\beta$ -Asarone Modulates Morphological Dynamics of Activated Microglia. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 280.	1.8	18
41	$\beta$ -secretase ADAM10 physically interacts with $\beta$ -secretase BACE1 in neurons and regulates CHL1 proteolysis. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 411-422.	1.5	18
42	A Newly Synthesized Rhamnoside Derivative Alleviates Alzheimer's Amyloid- $\beta$ -Induced Oxidative Stress, Mitochondrial Dysfunction, and Cell Senescence through Upregulating SIRT3. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16.	1.9	18
43	Dopamine D2 receptor and $\beta$ -arrestin 2 mediate Amyloid- $\beta$ elevation induced by anti-parkinson's disease drugs, levodopa and piribedil, in neuronal cells. <i>PLoS ONE</i> , 2017, 12, e0173240.	1.1	17
44	Nongenomic Mechanisms of Glucocorticoid Inhibition of Nicotine-Induced Calcium Influx in PC12 Cells: Involvement of Protein Kinase C*This work was supported by a research grant from the Natural Science Foundation of China.. , 0, .		15
45	Human $\mu$ -opioid receptor overexpressed in Sf9 insect cells functionally coupled to endogenous Gi/o proteins. <i>Cell Research</i> , 2000, 10, 93-102.	5.7	14
46	$\beta$ -arrestin-1 contributes to brown fat function and directly interacts with PPAR $\alpha$ and PPAR $\delta$ . <i>Scientific Reports</i> , 2016, 6, 26999.	1.6	14
47	Constitutive Activity of Serotonin Receptor 6 Regulates Human Cerebral Organoids Formation and Depression-like Behaviors. <i>Stem Cell Reports</i> , 2021, 16, 75-88.	2.3	14
48	A tricyclic antidepressant, amoxapine, reduces amyloid- $\beta$ generation through multiple serotonin receptor 6-mediated targets. <i>Scientific Reports</i> , 2017, 7, 4983.	1.6	13
49	Loss of $\beta$ -arrestin 2 exacerbates experimental autoimmune encephalomyelitis with reduced number of regulatory T cells. <i>Immunology</i> , 2013, 140, 430-440.	2.0	12
50	The Combination of Aricept with a Traditional Chinese Medicine Formula, Smart Soup, May Be a Novel Way to Treat Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1185-1195.	1.2	12
51	$\beta$ -Secretase Modulators and Inhibitors Induce Different Conformational Changes of Presenilin 1 Revealed by FLIM and FRET. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 927-937.	1.2	11
52	$\beta$ -Arrestin1 regulates the morphology and dynamics of microglia in zebrafish <i>in vivo</i> . <i>European Journal of Neuroscience</i> , 2016, 43, 131-138.	1.2	11
53	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neuroscience Bulletin</i> , 2017, 33, 361-364.	1.5	11
54	An analog derived from phenylpropanoids ameliorates Alzheimer's disease-like pathology and protects mitochondrial function. <i>Neurobiology of Aging</i> , 2019, 80, 187-195.	1.5	11

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55	Epigenetic Pattern on the Human Y Chromosome Is Evolutionarily Conserved. <i>PLoS ONE</i> , 2016, 11, e0146402.	1.1	11
56	Alzheimer's Amyloid- $\beta^2$ Accelerates Human Neuronal Cell Senescence Which Could Be Rescued by Sirtuin-1 and Aspirin. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	11
57	Antisense oligonucleotide to insulin-like growth factor II induces apoptosis in human ovarian cancer AO cell line. <i>Cell Research</i> , 1998, 8, 159-165.	5.7	10
58	$\beta$ -Arrestin-1 directly interacts with G $\beta$ s and regulates its function. <i>FEBS Letters</i> , 2013, 587, 410-416.	1.3	9
59	Synthetic Analogues of Betulinic Acid as Potent Inhibitors of $\beta$ PS1/ $\beta$ BACE1 Interaction to Reduce A $\beta^2$ Generation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 103-112.	2.6	9
60	Responsibility and Sustainability in Brain Science, Technology, and Neuroethics in China—a Culture-Oriented Perspective. <i>Neuron</i> , 2019, 101, 375-379.	3.8	9
61	PL201, a Reported Rhamnoside Against Alzheimer's Disease Pathology, Alleviates Neuroinflammation and Stimulates Nrf2 Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 162.	2.2	8
62	Visualization of Alzheimer's Disease Related $\beta$ - $\beta^2$ - $\beta^3$ -Secretase Ternary Complex by Bimolecular Fluorescence Complementation Based Fluorescence Resonance Energy Transfer. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 431.	1.4	7
63	Carboxyl terminal of rhodopsin kinase is required for the phosphorylation of photo-activated rhodopsin. <i>Cell Research</i> , 1998, 8, 303-310.	5.7	6
64	A novel rhamnoside derivative PL402 up-regulates matrix metalloproteinase 3/9 to promote A $\beta^2$ degradation and alleviates Alzheimer's-like pathology. <i>Aging</i> , 2020, 12, 481-501.	1.4	4
65	Induction of apoptosis and change of bcl-2 expression in macrophage Ana-1 cells by all-trans retinoic acid. <i>Cell Research</i> , 1996, 6, 137-144.	5.7	3
66	In vivo development and single-cell transcriptome profiling of human brain organoids. <i>Cell Proliferation</i> , 2022, , e13201.	2.4	3
67	Functional expression of opioid receptor-like receptor and its endogenous specific agonist nociceptin/orphanin FQ during mouse embryogenesis. <i>Cell Research</i> , 1997, 7, 207-215.	5.7	2
68	A journey to a brighter future. <i>Cell Research</i> , 2006, 16, 1-2.	5.7	2
69	NF- $\kappa$ B directly regulates $\beta$ -Arrestin-1 expression and forms a negative feedback circuit in TNF $\alpha$ -induced cell death. <i>FASEB Journal</i> , 2018, 32, 4096-4106.	0.2	2
70	Methods to Investigate $\beta$ -Arrestin Function in Metabolic Regulation. <i>Methods in Molecular Biology</i> , 2019, 1957, 365-384.	0.4	2
71	P1-083: A new delta opioid receptor antagonist as a novel drug against Alzheimer's disease. , 2015, 11, P371-P371.		1
72	$\beta$ -Arrestin 2 and Epac2 Cooperatively Mediate DRD1-Stimulated Proliferation of Human Neural Stem Cells and Growth of Human Cerebral Organoids. <i>Stem Cells</i> , 2022, 40, 857-869.	1.4	1