

# Gang Pei

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | In vivo development and single-cell transcriptome profiling of human brain organoids. <i>Cell Proliferation</i> , 2022, , e13201.  | 2.4 | 3         |
| 2  | $\hat{\Gamma}^2$ -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         |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | 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         |
| 7  | A Newly Synthesized Rhamnoside Derivative Alleviates Alzheimer's Amyloid- $\hat{\Gamma}^2$ -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        |
| 8  | 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        |
| 9  | A novel rhamnoside derivative PL402 up-regulates matrix metalloproteinase 3/9 to promote $\hat{\Gamma}^2$ degradation and alleviates Alzheimer's-like pathology. <i>Aging</i> , 2020, 12, 481-501.   | 1.4 | 4         |
| 10 | 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        |
| 11 | 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        |
| 12 | Suppression of glioblastoma by a drug cocktail reprogramming tumor cells into neuronal like cells. <i>Scientific Reports</i> , 2019, 9, 3462.  | 1.6 | 19        |
| 13 | Methods to Investigate $\hat{\Gamma}^2$ -Arrestin Function in Metabolic Regulation. <i>Methods in Molecular Biology</i> , 2019, 1957, 365-384.   | 0.4 | 2         |
| 14 | 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         |
| 15 | Amyloid- $\hat{\Gamma}^2$ 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        |
| 16 | $\hat{\Gamma}^{\pm}$ -secretase ADAM10 physically interacts with $\hat{\Gamma}^2$ -secretase BACE1 in neurons and regulates CHL1 proteolysis. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 411-422.  | 1.5 | 18        |
| 17 | Visualization of Alzheimer's Disease Related $\hat{\Gamma}^{\pm}$ - $\hat{\Gamma}^2$ - $\hat{\Gamma}^3$ -Secretase Ternary Complex by Bimolecular Fluorescence Complementation Based Fluorescence Resonance Energy Transfer. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 431. | 1.4 | 7         |
| 18 | NF- $\hat{\Gamma}^{\pm}$ directly regulates $\hat{\Gamma}^2$ -Arrestin-1 expression and forms a negative feedback circuit in TNF- $\hat{\Gamma}^{\pm}$ -induced cell death. <i>FASEB Journal</i> , 2018, 32, 4096-4106.  | 0.2 | 2         |

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|----|---|-----|-----------|
| 19 | Transdifferentiation: a new promise for neurodegenerative diseases. <i>Cell Death and Disease</i> , 2018, 9, 830.   | 2.7 | 49        |
| 20 | Naringin Dihydrochalcone Ameliorates Cognitive Deficits and Neuropathology in APP/PS1 Transgenic Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 169.  | 1.7 | 40        |
| 21 | Synthetic Analogues of Betulinic Acid as Potent Inhibitors of $\beta$ PS1/ $\beta$ BACE1 Interaction to Reduce $A\beta$ Generation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 103-112.                    | 2.6 | 9         |
| 22 | 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       |
| 23 | Direct Generation of Human Neuronal Cells from Adult Astrocytes by Small Molecules. <i>Stem Cell Reports</i> , 2017, 8, 538-547.  | 2.3 | 106       |
| 24 | Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neuroscience Bulletin</i> , 2017, 33, 361-364.   | 1.5 | 11        |
| 25 | 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        |
| 26 | 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        |
| 27 | 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        |
| 28 | 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        |
| 29 | Neurogenesis-Promoting Natural Product $\beta$ -Asarone Modulates Morphological Dynamics of Activated Microglia. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 280.                                     | 1.8 | 18        |
| 30 | $\beta$ -arrestin-1 contributes to brown fat function and directly interacts with PPAR $\alpha$ and PPAR $\beta$ . <i>Scientific Reports</i> , 2016, 6, 26999.  | 1.6 | 14        |
| 31 | $\beta$ -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        |
| 32 | Epigenetic Pattern on the Human Y Chromosome Is Evolutionarily Conserved. <i>PLoS ONE</i> , 2016, 11, e0146402.   | 1.1 | 11        |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | Targeting the $\beta^3$ - $\beta^2$ -secretase interaction reduces $\beta^2$ -amyloid generation and ameliorates Alzheimer's disease-related pathogenesis. <i>Cell Discovery</i> , 2015, 1, 15021.                            | 3.1 | 31        |
| 38 | $\beta^3$ -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        |
| 39 | P1-083: A new delta opioid receptor antagonist as a novel drug against Alzheimer's disease. , 2015, 11, P371-P371.  |     | 1         |
| 40 | $\beta^2$ -arrestin1 Is Critical for the Full Activation of NLRP3 and NLRC4 Inflammasomes. <i>Journal of Immunology</i> , 2015, 194, 1867-1873.   | 0.4 | 20        |
| 41 | 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       |
| 42 | Direct conversion of astrocytes into neuronal cells by drug cocktail. <i>Cell Research</i> , 2015, 25, 1269-1272.   | 5.7 | 81        |
| 43 | Smart Soup, a Traditional Chinese Medicine Formula, Ameliorates Amyloid Pathology and Related Cognitive Deficits. <i>PLoS ONE</i> , 2014, 9, e111215.   | 1.1 | 39        |
| 44 | ARRB1/ $\beta^2$ -arrestin-1 mediates neuroprotection through coordination of BECN1-dependent autophagy in cerebral ischemia. <i>Autophagy</i> , 2014, 10, 1535-1548.   | 4.3 | 130       |
| 45 | Generation of neural progenitor cells by chemical cocktails and hypoxia. <i>Cell Research</i> , 2014, 24, 665-679.  | 5.7 | 214       |
| 46 | Lysophosphatidic acid acts as a nutrient-derived developmental cue to regulate early hematopoiesis. <i>EMBO Journal</i> , 2014, 33, 1383-1396.  | 3.5 | 20        |
| 47 | $\beta^2$ -Arrestin-1 directly interacts with $G_{i2}$ and regulates its function. <i>FEBS Letters</i> , 2013, 587, 410-416.  | 1.3 | 9         |
| 48 | Loss of $\beta^2$ -arrestin 2 exacerbates experimental autoimmune encephalomyelitis with reduced number of $CD^+T$ regulatory cells. <i>Immunology</i> , 2013, 140, 430-440.  | 2.0 | 12        |
| 49 | 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       |
| 50 | 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        |
| 51 | A journey to a brighter future. <i>Cell Research</i> , 2006, 16, 1-2.   | 5.7 | 2         |
| 52 | Direct binding of $\beta^2$ -arrestins to two distinct intracellular domains of the $\beta^1$ opioid receptor. <i>Journal of Neurochemistry</i> , 2001, 76, 1887-1894.  | 2.1 | 48        |
| 53 | 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        |
| 54 | Human $\beta^4$ -opioid receptor overexpressed in Sf9 insect cells functionally coupled to endogenous $G_i/o$ proteins. <i>Cell Research</i> , 2000, 10, 93-102.  | 5.7 | 14        |

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|----|---|-----|-----------|
| 55 | Identification of alternative splicing variants of the $\hat{I}^2$ subunit of human $\text{Ca}^{2+}$ /calmodulin-dependent protein kinase II with different activities. <i>FEBS Letters</i> , 2000, 475, 107-110.   | 1.3 | 24        |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | Chemokine receptor CCR5 functionally couples to inhibitory G proteins and undergoes desensitization. , 1998, 71, 36-45.   |     | 57        |
| 60 | 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         |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | Pertussis Toxin-Insensitive Signaling of the ORL <sub>1</sub> 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        |
| 65 | Molecular characterization and functional expression of opioid receptor-like1 receptor. <i>Cell Research</i> , 1997, 7, 69-77.  | 5.7 | 21        |
| 66 | 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         |
| 67 | 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        |
| 68 | 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        |
| 69 | Progesterone induces apoptosis and up-regulation of p53 expression in human ovarian carcinoma cell lines. , 1997, 79, 1944-1950.  |     | 108       |
| 70 | 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         |
| 71 | 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        |
| 72 | Alzheimer's Amyloid- $\hat{I}^2$ 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        |