

Gang Pei

List of Publications by Year in descending order

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72
papers

2,955
citations

218677
26
h-index

182427
51
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. Cell Proliferation, 2022, , e13201.	5.3	3
2	Î²-Arrestin 2 and Epac2 Cooperatively Mediate DRD1-Stimulated Proliferation of Human Neural Stem Cells and Growth of Human Cerebral Organoids. Stem Cells, 2022, 40, 857-869.	3.2	1
3	Constitutive Activity of Serotonin Receptor 6 Regulates Human Cerebral Organoids Formation and Depression-like Behaviors. Stem Cell Reports, 2021, 16, 75-88.	4.8	14
4	Polysaccharides from Lycium barbarum ameliorate amyloid pathology and cognitive functions in APP/PS1 transgenic mice. International Journal of Biological Macromolecules, 2020, 144, 1004-1012.	7.5	35
5	Baicalein inhibits SARS-CoV-2/VSV replication with interfering mitochondrial oxidative phosphorylation in a mPTP dependent manner. Signal Transduction and Targeted Therapy, 2020, 5, 266.	17.1	45
6	PL201, a Reported Rhamnoside Against Alzheimer's Disease Pathology, Alleviates Neuroinflammation and Stimulates Nrf2 Signaling. Frontiers in Immunology, 2020, 11, 162.	4.8	8
7	A Newly Synthesized Rhamnoside Derivative Alleviates Alzheimer's Amyloid-Î²-Induced Oxidative Stress, Mitochondrial Dysfunction, and Cell Senescence through Upregulating SIRT3. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-16.	4.0	18
8	Constitutive activity of a G protein-coupled receptor, DRD1, contributes to human cerebral organoid formation. Stem Cells, 2020, 38, 653-665.	3.2	20
9	A novel rhamnoside derivative PL402 up-regulates matrix metalloproteinase 3/9 to promote AÎ² degradation and alleviates Alzheimer's-like pathology. Aging, 2020, 12, 481-501.	3.1	4
10	Mitochondria Are Dynamically Transferring Between Human Neural Cells and Alexander Disease-Associated GFAP Mutations Impair the Astrocytic Transfer. Frontiers in Cellular Neuroscience, 2019, 13, 316.	3.7	57
11	An analog derived from phenylpropanoids ameliorates Alzheimer's disease-like pathology and protects mitochondrial function. Neurobiology of Aging, 2019, 80, 187-195.	3.1	11
12	Suppression of glioblastoma by a drug cocktail reprogramming tumor cells into neuronal like cells. Scientific Reports, 2019, 9, 3462.	3.3	19
13	Methods to Investigate Î²-Arrestin Function in Metabolic Regulation. Methods in Molecular Biology, 2019, 1957, 365-384.	0.9	2
14	Responsibility and Sustainability in Brain Science, Technology, and Neuroethics in China—a Culture-Oriented Perspective. Neuron, 2019, 101, 375-379.	8.1	9
15	Amyloid-Î² Oligomers-induced Mitochondrial DNA Repair Impairment Contributes to Altered Human Neural Stem Cell Differentiation. Current Alzheimer Research, 2019, 16, 934-949.	1.4	22
16	Î±-secretase ADAM10 physically interacts with Î²-secretase BACE1 in neurons and regulates CHL1 proteolysis. Journal of Molecular Cell Biology, 2018, 10, 411-422.	3.3	18
17	Visualization of Alzheimer's Disease Related Î±-Î²-Î³-Secretase Ternary Complex by Bimolecular Fluorescence Complementation Based Fluorescence Resonance Energy Transfer. Frontiers in Molecular Neuroscience, 2018, 11, 431.	2.9	7
18	NF-ÎºB directly regulates Î²-Arrestin1 expression and forms a negative feedback circuit in TNF-Î±-induced cell death. FASEB Journal, 2018, 32, 4096-4106.	0.5	2

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19	Transdifferentiation: a new promise for neurodegenerative diseases. <i>Cell Death and Disease</i> , 2018, 9, 830.	6.3	49
20	Naringin Dihydrochalcone Ameliorates Cognitive Deficits and Neuropathology in APP/PS1 Transgenic Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 169.	3.4	40
21	Synthetic Analogues of Betulinic Acid as Potent Inhibitors of PS1 / BACE1 Interaction to Reduce $\text{A}\beta$ Generation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 103-112.	4.9	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.	4.8	106
23	Direct Generation of Human Neuronal Cells from Adult Astrocytes by Small Molecules. <i>Stem Cell Reports</i> , 2017, 8, 538-547.	4.8	106
24	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neuroscience Bulletin</i> , 2017, 33, 361-364.	2.9	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.	4.8	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.	7.2	91
27	A tricyclic antidepressant, amoxapine, reduces amyloid- β generation through multiple serotonin receptor 6-mediated targets. <i>Scientific Reports</i> , 2017, 7, 4983.	3.3	13
28	Dopamine D2 receptor and β -arrestin 2 mediate Amyloid- β elevation induced by anti-parkinson's disease drugs, levodopa and piribedil, in neuronal cells. <i>PLoS ONE</i> , 2017, 12, e0173240.	2.5	17
29	Neurogenesis-Promoting Natural Product β -Asarone Modulates Morphological Dynamics of Activated Microglia. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 280.	3.7	18
30	β -arrestin-1 contributes to brown fat function and directly interacts with $\text{PPAR}\alpha$ and $\text{PPAR}\beta$. <i>Scientific Reports</i> , 2016, 6, 26999.	3.3	14
31	β -Arrestin1 regulates the morphology and dynamics of microglia in zebrafish <i>in vivo</i> . <i>European Journal of Neuroscience</i> , 2016, 43, 131-138.	2.6	11
32	Epigenetic Pattern on the Human Y Chromosome Is Evolutionarily Conserved. <i>PLoS ONE</i> , 2016, 11, e0146402.	2.5	11
33	Traditional Chinese Nootropic Medicine <i>Radix Polygalae</i> and Its Active Constituent Onjisaponin B Reduce β -Amyloid Production and Improve Cognitive Impairments. <i>PLoS ONE</i> , 2016, 11, e0151147.	2.5	27
34	An Anti-Parkinson's Disease Drug via Targeting Adenosine A2A Receptor Enhances Amyloid- β Generation and β -Secretase Activity. <i>PLoS ONE</i> , 2016, 11, e0166415.	2.5	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.	6.7	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.	2.6	12

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37	Targeting the β -secretase interaction reduces β -amyloid generation and ameliorates Alzheimer's disease-related pathogenesis. Cell Discovery, 2015, 1, 15021.	6.7	31
38	β -Secretase Modulators and Inhibitors Induce Different Conformational Changes of Presenilin 1 Revealed by FLIM and FRET. Journal of Alzheimer's Disease, 2015, 47, 927-937.	2.6	11
39	P1-083: A new delta opioid receptor antagonist as a novel drug against Alzheimer's disease. , 2015, 11, P371-P371.		1
40	β -arrestin1 Is Critical for the Full Activation of NLRP3 and NLRC4 Inflammasomes. Journal of Immunology, 2015, 194, 1867-1873.	0.8	20
41	Direct Conversion of Normal and Alzheimer's Disease Human Fibroblasts into Neuronal Cells by Small Molecules. Cell Stem Cell, 2015, 17, 204-212.	11.1	412
42	Direct conversion of astrocytes into neuronal cells by drug cocktail. Cell Research, 2015, 25, 1269-1272.	12.0	81
43	Smart Soup, a Traditional Chinese Medicine Formula, Ameliorates Amyloid Pathology and Related Cognitive Deficits. PLoS ONE, 2014, 9, e111215.	2.5	39
44	ARRB1/ β -arrestin-1 mediates neuroprotection through coordination of BECN1-dependent autophagy in cerebral ischemia. Autophagy, 2014, 10, 1535-1548.	9.1	130
45	Generation of neural progenitor cells by chemical cocktails and hypoxia. Cell Research, 2014, 24, 665-679.	12.0	214
46	Lysophosphatidic acid acts as a nutrient-derived developmental cue to regulate early hematopoiesis. EMBO Journal, 2014, 33, 1383-1396.	7.8	20
47	β -Arrestin1 directly interacts with G α s and regulates its function. FEBS Letters, 2013, 587, 410-416.	2.8	9
48	Loss of β -arrestin 2 exacerbates experimental autoimmune encephalomyelitis with reduced number of α CD4 regulatory T cells. Immunology, 2013, 140, 430-440.	4.4	12
49	E-Cadherin-Mediated Cell-Cell Contact Is Critical for Induced Pluripotent Stem Cell Generation. Stem Cells, 2010, 28, 1315-1325.	3.2	207
50	Rapid xenograft tumor progression in beta-arrestin1 transgenic mice due to enhanced tumor angiogenesis. FASEB Journal, 2008, 22, 355-364.	0.5	43
51	A journey to a brighter future. Cell Research, 2006, 16, 1-2.	12.0	2
52	Direct binding of β -arrestins to two distinct intracellular domains of the μ opioid receptor. Journal of Neurochemistry, 2001, 76, 1887-1894.	3.9	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. Journal of Neurochemistry, 2001, 73, 1222-1227.	3.9	30
54	Human μ -opioid receptor overexpressed in Sf9 insect cells functionally coupled to endogenous Gi/o proteins. Cell Research, 2000, 10, 93-102.	12.0	14

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55	Identification of alternative splicing variants of the \hat{I}^2 subunit of human Ca^{2+} /calmodulin-dependent protein kinase II with different activities. <i>FEBS Letters</i> , 2000, 475, 107-110.	2.8	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.	4.5	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.	4.5	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.	2.6	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.	12.0	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.	2.8	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.	12.0	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.	3.9	29
64	Pertussis Toxin-Insensitive Signaling of the ORL ₁ Receptor: Coupling to G _z and G ₁₆ Proteins. <i>Journal of Neurochemistry</i> , 1998, 71, 2203-2210.	3.9	45
65	Nongenomic Mechanisms of Glucocorticoid Inhibition of Nicotine-Induced Calcium Influx in PC12 Cells: Involvement of Protein Kinase C. <i>Endocrinology</i> , 1998, 139, 5103-5108.	2.8	15
66	Molecular characterization and functional expression of opioid receptor-like1 receptor. <i>Cell Research</i> , 1997, 7, 69-77.	12.0	21
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.	12.0	2
68	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.	2.8	59
69	Nociceptin/orphanin FQ stimulates extracellular acidification and desensitization of the response involves protein kinase C. <i>FEBS Letters</i> , 1997, 412, 253-256.	2.8	20
70	Progesterone induces apoptosis and up-regulation of p53 expression in human ovarian carcinoma cell lines. <i>Cancer</i> , 1997, 79, 1944-1950.	4.1	108
71	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.	12.0	3
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, .	3.7	11