

# Feng Han

## List of Publications by Year in descending order

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77  
papers

9,998  
citations

185998  
28  
h-index

66788  
78  
g-index

79  
all docs

79  
docs citations

79  
times ranked

22309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Visualizing Peroxynitrite Fluxes in Endothelial Cells Reveals the Dynamic Progression of Brain Vascular Injury. <i>Journal of the American Chemical Society</i> , 2015, 137, 12296-12303.	6.6	188
4	Enhanced efficiency of mitochondria-targeted peptide SS-31 for acute kidney injury by pH-responsive and AKI-kidney targeted nanopolyplexes. <i>Biomaterials</i> , 2019, 211, 57-67.	5.7	102
5	Combined NADPH and the NOX inhibitor apocynin provides greater anti-inflammatory and neuroprotective effects in a mouse model of stroke. <i>Free Radical Biology and Medicine</i> , 2017, 104, 333-345.	1.3	100
6	P2RX7 sensitizes Mac-1/ICAM-1-dependent leukocyte-endothelial adhesion and promotes neurovascular injury during septic encephalopathy. <i>Cell Research</i> , 2015, 25, 674-690.	5.7	85
7	Endothelium-Derived Semaphorin 3C Regulates Hippocampal Synaptic Structure and Plasticity via Neuropilin-2/PlexinA4. <i>Neuron</i> , 2019, 101, 920-937.e13.	3.8	76
8	BNIP3L/NIX degradation leads to mitophagy deficiency in ischemic brains. <i>Autophagy</i> , 2021, 17, 1934-1946.	4.3	75
9	Regulation of the ischemia-induced autophagy-lysosome processes by nitrosative stress in endothelial cells. <i>Journal of Pineal Research</i> , 2011, 51, 124-135.	3.4	71
10	TIGAR alleviates ischemia/reperfusion-induced autophagy and ischemic brain injury. <i>Free Radical Biology and Medicine</i> , 2019, 137, 13-23.	1.3	67
11	Histamine H3 receptors aggravate cerebral ischaemic injury by histamine-independent mechanisms. <i>Nature Communications</i> , 2014, 5, 3334.	5.8	62
12	Somatic autophagy of axonal mitochondria in ischemic neurons. <i>Journal of Cell Biology</i> , 2019, 218, 1891-1907.	2.3	58
13	Nitration of TRPM2 as a Molecular Switch Induces Autophagy During Brain Pericyte Injury. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 1297-1316.	2.5	52
14	Nitrosative Stress Induces Peroxiredoxin 1 Ubiquitination During Ischemic Insult <i>via</i> E6AP Activation in Endothelial Cells Both <i>In Vitro</i> and <i>In Vivo</i> . <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1-16.	2.5	51
15	PPAR $\alpha$ Agonist Stimulated Angiogenesis by Improving Endothelial Precursor Cell Function Via a NLRP3 Inflammasome Pathway. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 2255-2266.	1.1	46
16	Programmable DNA repair with CRISPRa/i enhanced homology-directed repair efficiency with a single Cas9. <i>Cell Discovery</i> , 2018, 4, 46.	3.1	45
17	Stimulation of Sigma-1 Receptor Ameliorates Depressive-like Behaviors in CaMKIV Null Mice. <i>Molecular Neurobiology</i> , 2015, 52, 1210-1222.	1.9	42
18	pH and Thermal Dual-Sensitive Nanoparticle-Mediated Synergistic Antitumor Effect of Immunotherapy and Microwave Thermotherapy. <i>Nano Letters</i> , 2019, 19, 4949-4959.	4.5	42

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19	Gut-brain axis: A matter of concern in neuropsychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 110051.	2.5	42
20	In Vivo Two-photon Fluorescence Microscopy Reveals Disturbed Cerebral Capillary Blood Flow and Increased Susceptibility to Ischemic Insults in Diabetic Mice. CNS Neuroscience and Therapeutics, 2014, 20, 816-822.	1.9	38
21	Endothelial Cdk5 deficit leads to the development of spontaneous epilepsy through CXCL1/CXCR2-mediated reactive astrogliosis. Journal of Experimental Medicine, 2020, 217, .	4.2	37
22	Melatonin ameliorates ischemic-like injury-evoked nitrosative stress: Involvement of HtrA2/PED pathways in endothelial cells. Journal of Pineal Research, 2011, 50, 281-291.	3.4	35
23	Physicochemical-property guided design of a highly sensitive probe to image nitrosative stress in the pathology of stroke. Chemical Science, 2020, 11, 281-289.	3.7	35
24	Autism spectrum disorder (ASD): Disturbance of the melatonin system and its implications. Biomedicine and Pharmacotherapy, 2020, 130, 110496.	2.5	35
25	Ischemia/reperfusion-induced upregulation of TIGAR in brain is mediated by SP1 and modulated by ROS and hormones involved in glucose metabolism. Neurochemistry International, 2015, 80, 99-109.	1.9	34
26	Targeted Regulation of Blood-Brain Barrier for Enhanced Therapeutic Efficiency of Hypoxia-Modifier Nanoparticles and Immune Checkpoint Blockade Antibodies for Glioblastoma. ACS Applied Materials & Interfaces, 2021, 13, 11657-11671.	4.0	34
27	Melatonin ameliorates hypoglycemic stress-induced brain endothelial tight junction injury by inhibiting protein nitration of TP53-induced glycolysis and apoptosis regulator. Journal of Pineal Research, 2017, 63, e12440.	3.4	33
28	Targeting Nitrosative Stress for Neurovascular Protection: New Implications in Brain Diseases. Current Drug Targets, 2012, 13, 272-284.	1.0	33
29	Emerging mechanisms of valproic acid-induced neurotoxic events in autism and its implications for pharmacological treatment. Biomedicine and Pharmacotherapy, 2021, 137, 111322.	2.5	31
30	Endothelium-derived semaphorin 3G attenuates ischemic retinopathy by coordinating $\beta$ -catenin-dependent vascular remodeling. Journal of Clinical Investigation, 2021, 131, .	3.9	29
31	Myt1l induced direct reprogramming of pericytes into cholinergic neurons. CNS Neuroscience and Therapeutics, 2018, 24, 801-809.	1.9	28
32	Cerebrovascular inflammation: A critical trigger for neurovascular injury?. Neurochemistry International, 2019, 126, 165-177.	1.9	27
33	Human Neuropeptide S Receptor Is Activated via a $G_{i/q}$ Protein-biased Signaling Cascade by a Human Neuropeptide S Analog Lacking the C-terminal 10 Residues. Journal of Biological Chemistry, 2016, 291, 7505-7516.	1.6	25
34	Endogenous level of TIGAR in brain is associated with vulnerability of neurons to ischemic injury. Neuroscience Bulletin, 2015, 31, 527-540.	1.5	24
35	CRISPR-Sunspot: Imaging of endogenous low-abundance RNA at the single-molecule level in live cells. Theranostics, 2020, 10, 10993-11012.	4.6	23
36	Functional Genomic Analyses Identify Pathways Dysregulated in Animal Model of Autism. CNS Neuroscience and Therapeutics, 2016, 22, 845-853.	1.9	22

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37	Abnormal expression profile of plasma-derived exosomal microRNAs in patients with treatment-resistant depression. <i>Human Genomics</i> , 2021, 15, 55.	1.4	22
38	Inhibition of Dystrophin Breakdown and Endothelial Nitric-Oxide Synthase Uncoupling Accounts for Cytoprotection by 3-[2-[4-(3-Chloro-2-methylphenyl)-1-piperazinyl]ethyl]-5,6-dimethoxy-1-(4-imidazolylmethyl)-1 <i>H</i> -indazole Dihydrochloride 3.5 Hydrate (DY-9760e) in Left Ventricular Hypertrophied Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 421-428.	1.3	20
39	Cathepsin B inhibition ameliorates leukocyte-endothelial adhesion in the BTBR mouse model of autism. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 476-485.	1.9	20
40	Enhancement of ATP production ameliorates motor and cognitive impairments in a mouse model of MPTP-induced Parkinson's disease. <i>Neurochemistry International</i> , 2019, 129, 104492.	1.9	19
41	GRPr-mediated photothermal and thermodynamic dual-therapy for prostate cancer with synergistic anti-apoptosis mechanism. <i>Nanoscale</i> , 2021, 13, 4249-4261.	2.8	19
42	Reduced Nicotinamide Adenine Dinucleotide Phosphate Inhibits MPTP-Induced Neuroinflammation and Neurotoxicity. <i>Neuroscience</i> , 2018, 391, 140-153.	1.1	18
43	State-of-the-art: functional fluorescent probes for bioimaging and pharmacological research. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 717-723.	2.8	17
44	SA4503, A Potent Sigma-1 Receptor Ligand, Ameliorates Synaptic Abnormalities and Cognitive Dysfunction in a Mouse Model of ATR-X Syndrome. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2811.	1.8	16
45	GPR124 facilitates pericyte polarization and migration by regulating the formation of filopodia during ischemic injury. <i>Theranostics</i> , 2019, 9, 5937-5955.	4.6	16
46	Role of pericyte-derived SENP1 in neuronal injury after brain ischemia. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 815-828.	1.9	16
47	An ultra-large deformation bidirectional actuator based on a carbon nanotube/PDMS composite and a chitosan film. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7558-7565.	2.9	15
48	Effects of Low Doses of Ketamine on Pyramidal Neurons in Rat Prefrontal Cortex. <i>Neuroscience</i> , 2018, 384, 178-187.	1.1	14
49	Functional coupling of Tmem74 and HCN1 channels regulates anxiety-like behavior in BLA neurons. <i>Molecular Psychiatry</i> , 2019, 24, 1461-1477.	4.1	14
50	Fatty Acid-Binding Proteins Aggravate Cerebral Ischemia-Reperfusion Injury in Mice. <i>Biomedicines</i> , 2021, 9, 529.	1.4	14
51	BNGR-A25L and -A27 are two functional G protein-coupled receptors for CAPA periviscerokinin neuropeptides in the silkworm <i>Bombyx mori</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 16554-16570.	1.6	13
52	Endothelial GPR124 Exaggerates the Pathogenesis of Atherosclerosis by Activating Inflammation. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 547-557.	1.1	13
53	A novel method for automatic pharmacological evaluation of sucrose preference change in depression mice. <i>Pharmacological Research</i> , 2021, 168, 105601.	3.1	13
54	Convenient preparation of sagittatoside B, a rare bioactive secondary flavonol glycoside, by recyclable and integrated biphasic enzymatic hydrolysis. <i>Enzyme and Microbial Technology</i> , 2019, 121, 51-58.	1.6	12

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55	Corticosteroids Mediate Heart Failure-Induced Depression through Reduced $\beta$ 1-Receptor Expression. PLoS ONE, 2016, 11, e0163992.	1.1	11
56	Cerebral microvascular dysfunction and neurodegeneration in dementia. Stroke and Vascular Neurology, 2019, 4, 105-107.	1.5	11
57	Alzheimer's disease therapeutic candidate SAK3 is an enhancer of T-type calcium channels. Journal of Pharmacological Sciences, 2019, 139, 51-58.	1.1	11
58	Sequentially Activated Probe Design Strategy for Analyzing Metabolite Crosstalk in a Biochemical Cascade. Analytical Chemistry, 2020, 92, 1409-1415.	3.2	11
59	Identification of therapeutic drugs against COVID-19 through computational investigation on drug repurposing and structural modification. Journal of Biomedical Research, 2020, 34, 458.	0.7	10
60	Cholinergic Grb2-Associated-Binding Protein 1 Regulates Cognitive Function. Cerebral Cortex, 2018, 28, 2391-2404.	1.6	9
61	Oxymatrine ameliorates agomelatine-induced hepatocyte injury through promoting proteasome-mediated CHOP degradation. Biomedicine and Pharmacotherapy, 2019, 114, 108784.	2.5	9
62	$\beta$ 2-Amyloid Accumulation in Neurovascular Units Following Brain Embolism. Journal of Pharmacological Sciences, 2009, 111, 101-109.	1.1	8
63	New application of an old drug proparacaine in treating epilepsy via liposomal hydrogel formulation. Pharmacological Research, 2021, 169, 105636.	3.1	8
64	Elucidation of the FKBP25-60S Ribosomal Protein L7a Stress Response Signaling During Ischemic Injury. Cellular Physiology and Biochemistry, 2018, 47, 2018-2030.	1.1	7
65	BOD1 regulates the cerebellar IV/V lobe-fastigial nucleus circuit associated with motor coordination. Signal Transduction and Targeted Therapy, 2022, 7, .	7.1	7
66	Endothelial ErbB4 deficit induces alterations in exploratory behavior and brain energy metabolism in mice. CNS Neuroscience and Therapeutics, 2017, 23, 510-517.	1.9	6
67	The efficacy of gabapentin combined with opioids for neuropathic cancer pain: a meta-analysis. Translational Cancer Research, 2021, 10, 637-644.	0.4	6
68	Endothelial peroxynitrite causes disturbance of neuronal oscillations by targeting caspase-1 in the arcuate nucleus. Redox Biology, 2021, 47, 102147.	3.9	6
69	H <sub>2</sub> O <sub>2</sub> Self-Supplementing and GSH-Depleting Nanoreactors Based on MoO <sub>3</sub> @Fe <sub>3</sub> O <sub>4</sub> -GOD-PVP for Photothermally Reinforced Nanocatalytic Cancer Therapy at the Second Near-Infrared Biowindow. ACS Sustainable Chemistry and Engineering, 2022, 10, 6346-6357.	3.2	6
70	One-electron reduction triggered nitric oxide release for ischemia-reperfusion protection. Free Radical Biology and Medicine, 2021, 164, 13-19.	1.3	4
71	Histamine H1 Receptor in Basal Forebrain Cholinergic Circuit: A Novel Target for the Negative Symptoms of Schizophrenia?. Neuroscience Bulletin, 2022, 38, 558-560.	1.5	3
72	Effect of low-dose Levamlopidine Besylate in the treatment of vascular dementia. Scientific Reports, 2019, 9, 18248.	1.6	2

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73	The glymphatic system delivery enhances the transduction efficiency of AAV1 to brain endothelial cells in adult mice. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108441.	1.3	1
74	Selective inhibition of Tmem74 expression in BLA pyramidal neurons. <i>Molecular Psychiatry</i> , 2019, 24, 1399-1399.	4.1	1
75	Endothelium-derived Cdk5 deficit aggravates air pollution-induced peripheral vasoconstriction through AT1R upregulation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 219, 112314.	2.9	1
76	Decreased synapse-associated proteins are associated with the onset of epileptic memory impairment in endothelial <i>CDK5</i> deficient mice. <i>MedComm</i> , 2022, 3, .	3.1	1
77	DAPT decreases the permeability of the BBB by reducing the ubiquitination and degradation of occludin during permanent brain ischemia. <i>Alzheimer's and Dementia</i> , 2020, 16, e046353.	0.4	0