

Junlei Chang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

4,064
citations

279487

23
h-index

360668

35
g-index

35
all docs

35
docs citations

35
times ranked

7108
citing authors

#	ARTICLE	IF	CITATIONS
1	Through-skull fluorescence imaging of the brain in a new near-infrared window. <i>Nature Photonics</i> , 2014, 8, 723-730.	15.6	829
2	Non-equivalence of Wnt and R-spondin ligands during Lgr5+ intestinal stem-cell self-renewal. <i>Nature</i> , 2017, 545, 238-242.	13.7	327
3	Oligodendrocyte precursors migrate along vasculature in the developing nervous system. <i>Science</i> , 2016, 351, 379-384.	6.0	319
4	Fluorescence Imaging In Vivo at Wavelengths beyond 1500nm. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14758-14762.	7.2	310
5	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. <i>Nature Medicine</i> , 2017, 23, 174-184.	15.2	304
6	Atomic-Precision Gold Clusters for NIR Imaging. <i>Advanced Materials</i> , 2019, 31, e1901015.	11.1	279
7	Surrogate Wnt agonists that phenocopy canonical Wnt and β^2 -catenin signalling. <i>Nature</i> , 2017, 545, 234-237.	13.7	264
8	Peripheral inflammation and blood-brain barrier disruption: effects and mechanisms. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 36-47.	1.9	214
9	Cpr124 is essential for blood-brain barrier integrity in central nervous system disease. <i>Nature Medicine</i> , 2017, 23, 450-460.	15.2	177
10	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. <i>EMBO Journal</i> , 2016, 35, 924-941.	3.5	161
11	Blood-Brain Barrier Breakdown: An Emerging Biomarker of Cognitive Impairment in Normal Aging and Dementia. <i>Frontiers in Neuroscience</i> , 2021, 15, 688090.	1.4	108
12	Adiponectin Prevents Diabetic Premature Senescence of Endothelial Progenitor Cells and Promotes Endothelial Repair by Suppressing the p38 MAP Kinase/p16INK4A Signaling Pathway. <i>Diabetes</i> , 2010, 59, 2949-2959.	0.3	106
13	Developmental and pathological angiogenesis in the central nervous system. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 3489-3506.	2.4	93
14	A RECK-WNT7 Receptor-Ligand Interaction Enables Isoform-Specific Regulation of Wnt Bioavailability. <i>Cell Reports</i> , 2018, 25, 339-349.e9.	2.9	65
15	Adipocyte fatty acid-binding protein exacerbates cerebral ischaemia injury by disrupting the blood-brain barrier. <i>European Heart Journal</i> , 2020, 41, 3169-3180.	1.0	54
16	Biological Functions and Regulatory Mechanisms of Hypoxia-Inducible Factor-1 α in Ischemic Stroke. <i>Frontiers in Immunology</i> , 2021, 12, 801985.	2.2	46
17	The Role of Immune Cells in Post-Stroke Angiogenesis and Neuronal Remodeling: The Known and the Unknown. <i>Frontiers in Immunology</i> , 2021, 12, 784098.	2.2	44
18	Lithium alleviates blood-brain barrier breakdown after cerebral ischemia and reperfusion by upregulating endothelial Wnt/ β^2 -catenin signaling in mice. <i>Neuropharmacology</i> , 2021, 186, 108474.	2.0	42

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19	Pinocembrin Protects Blood-Brain Barrier Function and Expands the Therapeutic Time Window for Tissue-Type Plasminogen Activator Treatment in a Rat Thromboembolic Stroke Model. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	37
20	Changes in cerebral autoregulation and blood biomarkers after remote ischemic preconditioning. <i>Neurology</i> , 2019, 93, e8-e19.	1.5	36
21	ApoE 4 reduces the expression of A β degrading enzyme IDE by activating the NMDA receptor in hippocampal neurons. <i>Neuroscience Letters</i> , 2009, 464, 140-145.	1.0	27
22	Soluble Guanylate Cyclase β 1 Limits Stroke Size and Attenuates Neurological Injury. <i>Stroke</i> , 2010, 41, 1815-1819.	1.0	24
23	Lithium attenuates blood-brain barrier damage and brain edema following intracerebral hemorrhage via an endothelial Wnt/ β -catenin signaling-dependent mechanism in mice. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 862-872.	1.9	14
24	The tissue origin of human mesenchymal stem cells dictates their therapeutic efficacy on glucose and lipid metabolic disorders in type II diabetic mice. <i>Stem Cell Research and Therapy</i> , 2021, 12, 385.	2.4	13
25	Endothelial β -Catenin Deficiency Causes Blood-Brain Barrier Breakdown via Enhancing the Paracellular and Transcellular Permeability. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	1.4	13
26	Variants of <i>WNT7A</i> and <i>GPR124</i> are associated with hemorrhagic transformation following intravenous thrombolysis in ischemic stroke. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 71-81.	1.9	12
27	<i>GAS6/Axl</i> Signaling Modulates Blood-Brain Barrier Function Following Intravenous Thrombolysis in Acute Ischemic Stroke. <i>Frontiers in Immunology</i> , 2021, 12, 742359.	2.2	10
28	Discovery of Cobimetinib as a novel A-FABP inhibitor using machine learning and molecular docking-based virtual screening. <i>RSC Advances</i> , 2022, 12, 13500-13510.	1.7	8
29	Normalization of non-canonical Wnt signalings does not compromise blood-brain barrier protection conferred by upregulating endothelial Wnt/ β -catenin signaling following ischemic stroke. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1085-1096.	1.9	7
30	Endoplasmic Reticulum Mediated Necrosis-like Apoptosis of HeLa Cells Induced by Ca ²⁺ Oscillation. <i>BMB Reports</i> , 2005, 38, 709-716.	1.1	7
31	Association of trimethylamine N-oxide with coronary atherosclerotic burden in patients with non-ST-segment elevation myocardial infarction. <i>Medicine (United States)</i> , 2020, 99, e20794.	0.4	5
32	Updates on Clinical and Genetic Heterogeneity of ASPM in 12 Autosomal Recessive Primary Microcephaly Families in Pakistani Population. <i>Frontiers in Pediatrics</i> , 2021, 9, 695133.	0.9	5
33	RIOK2 Inhibitor NSC139021 Exerts Anti-Tumor Effects on Glioblastoma via Inducing Skp2-Mediated Cell Cycle Arrest and Apoptosis. <i>Biomedicines</i> , 2021, 9, 1244.	1.4	5
34	Identification of Pathogenic Mutations in Primary Microcephaly- (MCPH-) Related Three Genes CENPJ, CASK, and MCPH1 in Consanguineous Pakistani Families. <i>BioMed Research International</i> , 2022, 2022, 1-8.	0.9	2