Zongliang Liu

List of Publications by Year in descending order

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123 papers 3,015 citations

172457 29 h-index 233421 45 g-index

127 all docs

127 docs citations

times ranked

127

4266 citing authors

#	Article	IF	CITATIONS
1	ATF3 promotes erastin-induced ferroptosis by suppressing system Xc–. Cell Death and Differentiation, 2020, 27, 662-675.	11.2	364
2	TRPC channels: Structure, function, regulation and recent advances in small molecular probes. , 2020, 209, 107497.		126
3	Nearâ€Infrared II Dyeâ€Protein Complex for Biomedical Imaging and Imagingâ€Guided Photothermal Therapy. Advanced Healthcare Materials, 2018, 7, e1800589.	7.6	116
4	H6, a novel hederagenin derivative, reverses multidrug resistance in vitro and in vivo. Toxicology and Applied Pharmacology, 2018, 341, 98-105.	2.8	82
5	PFK15, a Small Molecule Inhibitor of PFKFB3, Induces Cell Cycle Arrest, Apoptosis and Inhibits Invasion in Gastric Cancer. PLoS ONE, 2016, 11, e0163768.	2.5	80
6	Peptide-based and small synthetic molecule inhibitors on PD-1/PD-L1 pathway: A new choice for immunotherapy?. European Journal of Medicinal Chemistry, 2019, 161, 378-398.	5. 5	66
7	Spermine synthase deficiency causes lysosomal dysfunction and oxidative stress in models of Snyder-Robinson syndrome. Nature Communications, 2017, 8, 1257.	12.8	64
8	Engineering of Bone- and CD44-Dual-Targeting Redox-Sensitive Liposomes for the Treatment of Orthotopic Osteosarcoma. ACS Applied Materials & Description (2019), 11, 7357-7368.	8.0	63
9	Lx2-32c, a novel semi-synthetic taxane, exerts antitumor activity against prostate cancer cells in vitro and in vivo. Acta Pharmaceutica Sinica B, 2017, 7, 52-58.	12.0	62
10	Antidepressant-like activity of adhyperforin, a novel constituent of Hypericum perforatum L Scientific Reports, 2014, 4, 5632.	3.3	60
11	A complex micellar system co-delivering curcumin with doxorubicin against cardiotoxicity and tumor growth. International Journal of Nanomedicine, 2018, Volume 13, 4549-4561.	6.7	59
12	Roles of Exosomes in Ocular Diseases. International Journal of Nanomedicine, 2020, Volume 15, 10519-10538.	6.7	53
13	Hypersensitivity reaction studies of a polyethoxylated castor oil-free, liposome-based alternative paclitaxel formulation. Molecular Medicine Reports, 2013, 7, 947-952.	2.4	52
14	A new electrospun graphene-silk fibroin composite scaffolds for guiding Schwann cells. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 2171-2185.	3.5	48
15	Cardioprotective Effects of 20(S)-Ginsenoside Rh2 against Doxorubicin-Induced Cardiotoxicity <i>In Vitro</i> and <i>In Vivo</i> . Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-8.	1.2	45
16	Pyrazolo[1,5-a]pyrimidine TRPC6 antagonists for the treatment of gastric cancer. Cancer Letters, 2018, 432, 47-55.	7.2	45
17	Can intracellular drug delivery using hyaluronic acid functionalised pH-sensitive liposomes overcome gemcitabine resistance in pancreatic cancer?. Journal of Controlled Release, 2019, 305, 89-100.	9.9	45
18	Pyrazolopyrimidines as Potent Stimulators for Transient Receptor Potential Canonical 3/6/7 Channels. Journal of Medicinal Chemistry, 2017, 60, 4680-4692.	6.4	44

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19	Metabolomics, metabolic flux analysis and cancer pharmacology. , 2021, 224, 107827.		44
20	Design of novel multifunctional targeting nano-carrier drug delivery system based on CD44 receptor and tumor microenvironment pH condition. Drug Delivery, 2016, 23, 798-803.	5.7	40
21	A Series of Enthalpically Optimized Docetaxel Analogues Exhibiting Enhanced Antitumor Activity and Water Solubility. Journal of Natural Products, 2018, 81, 524-533.	3.0	39
22	Afatinib-loaded immunoliposomes functionalized with cetuximab: A novel strategy targeting the epidermal growth factor receptor for treatment of non-small-cell lung cancer. International Journal of Pharmaceutics, 2019, 560, 126-135.	5.2	39
23	PCC0208017, a novel small-molecule inhibitor of MARK3/MARK4, suppresses glioma progression inÂvitro and inÂvivo. Acta Pharmaceutica Sinica B, 2020, 10, 289-300.	12.0	39
24	Design and Discovery of Quinazoline- and Thiourea-Containing Sorafenib Analogs as EGFR and VEGFR-2 Dual TK Inhibitors. Molecules, 2018, 23, 24.	3.8	38
25	Small molecule modulators targeting protein kinase CK1 and CK2. European Journal of Medicinal Chemistry, 2019, 181, 111581.	5.5	38
26	Nicotinic ACh receptor α7 inhibits PDGFâ€induced migration of vascular smooth muscle cells by activating mitochondrial deacetylase sirtuin 3. British Journal of Pharmacology, 2019, 176, 4388-4401.	5.4	38
27	Evaluation of drug release property and blood compatibility of aspirin-loaded electrospun PLA/RSF composite nanofibers. Iranian Polymer Journal (English Edition), 2013, 22, 729-737.	2.4	37
28	STING, a promising target for small molecular immune modulator: A review. European Journal of Medicinal Chemistry, 2021, 211, 113113.	5.5	37
29	Review: RNA-based diagnostic markers discovery and therapeutic targets development in cancer. , 2022, 234, 108123.		37
30	Design, synthesis, nitric oxide release and antibacterial evaluation of novel nitrated ocotillol-type derivatives. European Journal of Medicinal Chemistry, 2015, 101, 71-80.	5.5	36
31	Combinatorial antitumor effects of indoleamine 2,3-dioxygenase inhibitor NLG919 and paclitaxel in a murine B16-F10 melanoma model. International Journal of Immunopathology and Pharmacology, 2017, 30, 215-226.	2.1	33
32	Targeting epigenetic machinery: Emerging novel allosteric inhibitors., 2019, 204, 107406.		32
33	Lipase-ultrasound assisted synthesis of polyesters. Ultrasonics Sonochemistry, 2017, 38, 496-502.	8.2	29
34	Preclinical safety of ginsenoside compound K: Acute, and 26-week oral toxicity studies in mice and rats. Food and Chemical Toxicology, 2019, 131, 110578.	3.6	29
35	Antibacterial properties of PLA nonwoven medical dressings coated with nanostructured silver. Fibers and Polymers, 2008, 9, 556-560.	2.1	28
36	Acute and repeated dose 26-week oral toxicity study of 20(S)-ginsenoside Rg3 in Kunming mice and Sprague–Dawley rats. Journal of Ginseng Research, 2020, 44, 222-228.	5.7	28

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37	Design, synthesis, and discovery of ocotillol-type amide derivatives as orally available modulators of P-glycoprotein-mediated multidrug resistance. European Journal of Medicinal Chemistry, 2019, 161, 118-130.	5.5	27
38	Competitive ubiquitination activates the tumor suppressor p53. Cell Death and Differentiation, 2020, 27, 1807-1818.	11,2	27
39	The Stress-responsive Gene ATF3 Mediates Dichotomous UV Responses by Regulating the Tip60 and p53 Proteins. Journal of Biological Chemistry, 2016, 291, 10847-10857.	3.4	23
40	PCC0208009 enhances the anti-tumor effects of temozolomide through direct inhibition and transcriptional regulation of indoleamine 2,3-dioxygenase in glioma models. International Journal of Immunopathology and Pharmacology, 2018, 32, 205873841878799.	2.1	23
41	Cocaine induces differential circular RNA expression in striatum. Translational Psychiatry, 2019, 9, 199.	4.8	23
42	LPM580098, a Novel Triple Reuptake Inhibitor of Serotonin, Noradrenaline, and Dopamine, Attenuates Neuropathic Pain. Frontiers in Pharmacology, 2019, 10, 53.	3.5	23
43	Discovery, synthesis of novel fusidic acid derivatives possessed amino-terminal groups at the 3-hydroxyl position with anticancer activity. European Journal of Medicinal Chemistry, 2019, 162, 122-131.	5.5	23
44	Synthesis, Characterization, and Anticancer Activities Evaluation of Compounds Derived from 3,4-Dihydropyrimidin-2(1H)-one. Molecules, 2019, 24, 891.	3.8	22
45	Advances in Anti-inflammatory Activity, Mechanism and Therapeutic Application of Ursolic Acid. Mini-Reviews in Medicinal Chemistry, 2022, 22, 422-436.	2.4	22
46	The pseudoginsenoside F11 ameliorates cisplatin-induced nephrotoxicity without compromising its anti-tumor activity in vivo. Scientific Reports, 2014, 4, 4986.	3.3	21
47	Roxadustat attenuates experimental pulmonary fibrosis in vitro and in vivo. Toxicology Letters, 2020, 331, 112-121.	0.8	21
48	Protection of Pyruvate against Glutamate Excitotoxicity Is Mediated by Regulating DAPK1 Protein Complex. PLoS ONE, 2014, 9, e95777.	2.5	21
49	Acetylcholinesterase Inhibitors for Alzheimer's Disease Treatment Ameliorate Acetaminophen-Induced Liver Injury in Mice via Central Cholinergic System Regulation. Journal of Pharmacology and Experimental Therapeutics, 2016, 359, 374-382.	2.5	20
50	Saikosaponin d causes apoptotic death of cultured neocortical neurons by increasing membrane permeability and elevating intracellular Ca2+ concentration. NeuroToxicology, 2019, 70, 112-121.	3.0	19
51	Discovery of the Next-Generation Pan-TRK Kinase Inhibitors for the Treatment of Cancer. Journal of Medicinal Chemistry, 2021, 64, 10286-10296.	6.4	19
52	A small-molecule inhibitor of MDMX suppresses cervical cancer cells via the inhibition of E6-E6AP-p53 axis. Pharmacological Research, 2022, 177, 106128.	7.1	18
53	Discovery of new scaffolds from approved drugs as acetylcholinesterase inhibitors. RSC Advances, 2015, 5, 90288-90294.	3.6	17
54	PCC0208027, a novel tyrosine kinase inhibitor, inhibits tumor growth of NSCLC by targeting EGFR and HER2 aberrations. Scientific Reports, 2019, 9, 5692.	3.3	17

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55	Role of <scp>BRD4</scp> phosphorylation in the nucleus accumbens in relapse to cocaineâ€seeking behavior in mice. Addiction Biology, 2020, 25, e12808.	2.6	17
56	NG2-glia cell proliferation and differentiation by glial growth factor 2 (GGF2), a strategy to promote functional recovery after ischemic stroke. Biochemical Pharmacology, 2020, 171, 113720.	4.4	17
57	Design, synthesis, and tumor drug resistance reversal activity of novel hederagenin derivatives modified by nitrogen-containing heterocycles. European Journal of Medicinal Chemistry, 2022, 232, 114207.	5.5	16
58	Acute, subchronic oral toxicity, and genotoxicity evaluations of LPM570065, a new potent triple reuptake inhibitor. Regulatory Toxicology and Pharmacology, 2018, 98, 129-139.	2.7	15
59	Endocannabinoid signaling regulates the reinforcing and psychostimulant effects of ketamine in mice. Nature Communications, 2020, 11, 5962.	12.8	15
60	EGFR mutation L747P led to gefitinib resistance and accelerated liver metastases in a Chinese patient with lung adenocarcinoma. International Journal of Clinical and Experimental Pathology, 2015, 8, 8603-6.	0.5	15
61	Raltegravir Attenuates Experimental Pulmonary Fibrosis In Vitro and In Vivo. Frontiers in Pharmacology, 2019, 10, 903.	3.5	14
62	Design, Synthesis, and Biological Evaluation of Novel Nitrogen Heterocycle-Containing Ursolic Acid Analogs as Antitumor Agents. Molecules, 2019, 24, 877.	3.8	14
63	Synthesis, biological, and structural explorations of a series of $\hat{1}$ /4-opioid receptor (MOR) agonists with high G protein signaling bias. European Journal of Medicinal Chemistry, 2022, 228, 113986.	5.5	14
64	Cell membrane-based biomimetic nanosystems for advanced drug delivery in cancer therapy: A comprehensive review. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112503.	5.0	14
65	NSK-01105, a Novel Sorafenib Derivative, Inhibits Human Prostate Tumor Growth via Suppression of VEGFR2/EGFR-Mediated Angiogenesis. PLoS ONE, 2014, 9, e115041.	2.5	13
66	Enhancing the Dyeability of Polyimide Fibers with the Assistance of Swelling Agents. Materials, 2019, 12, 347.	2.9	13
67	NMNAT promotes glioma growth through regulating post-translational modifications of P53 to inhibit apoptosis. ELife, 2021, 10 , .	6.0	13
68	Ocotillol Enhanced the Antitumor Activity of Doxorubicin via p53-Dependent Apoptosis. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	1.2	12
69	Antidepressant-like Effects of LPM580153, A Novel Potent Triple Reuptake Inhibitor. Scientific Reports, 2016, 6, 24233.	3.3	12
70	A 26-week 20(S)-ginsenoside Rg3 oral toxicity study in Beagle dogs. Regulatory Toxicology and Pharmacology, 2020, 110, 104522.	2.7	12
71	Design, Synthesis, and Evaluation of Acetylcholinesterase and Butyrylcholinesterase Dual-Target Inhibitors against Alzheimer's Diseases. Molecules, 2020, 25, 489.	3.8	12
72	PCC0208023, a potent SHP2 allosteric inhibitor, imparts an antitumor effect against KRAS mutant colorectal cancer. Toxicology and Applied Pharmacology, 2020, 398, 115019.	2.8	12

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73	FNDC3B is associated with ER stress and poor prognosis in cervical cancer. Oncology Letters, 2020, 19, 406-414.	1.8	12
74	Toxicity effects of a novel potent triple reuptake inhibitor, LPM570065, on the fertility and early embryonic development in Sprague-Dawley rats. Regulatory Toxicology and Pharmacology, 2018, 100, 45-51.	2.7	11
75	Discovery and synthesis of 3- and 21-substituted fusidic acid derivatives as reversal agents of P-glycoprotein-mediated multidrug resistance. European Journal of Medicinal Chemistry, 2019, 182, 111668.	5 . 5	11
76	Pyxinol bearing amino acid residues: Easily achievable and promising modulators of P-glycoprotein-mediated multidrug resistance. European Journal of Medicinal Chemistry, 2021, 216, 113317.	5 . 5	11
77	VE-822, a novel DNA Holliday junction stabilizer, inhibits homologous recombination repair and triggers DNA damage response in osteogenic sarcomas. Biochemical Pharmacology, 2021, 193, 114767.	4.4	11
78	Ganciclovir reduces irinotecan-induced intestinal toxicity by inhibiting NLRP3 activation. Cancer Chemotherapy and Pharmacology, 2020, 85, 195-204.	2.3	10
79	Design, synthesis, and biological evaluation of hederagenin derivatives with improved aqueous solubility and tumor resistance reversal activity. European Journal of Medicinal Chemistry, 2021, 211, 113107.	5 . 5	10
80	Zebularine suppressed gemcitabine-induced senescence and improved the cellular and plasma pharmacokinetics of gemcitabine, augmented by liposomal co-delivery. International Journal of Pharmaceutics, 2021, 602, 120659.	5. 2	10
81	Pharmacological Characterization of Toludesvenlafaxine as a Triple Reuptake Inhibitor. Frontiers in Pharmacology, 2021, 12, 741794.	3.5	10
82	Epigenetic Mechanism of 5-HT/NE/DA Triple Reuptake Inhibitor on Adult Depression Susceptibility in Early Stress Mice. Frontiers in Pharmacology, 2022, 13, 848251.	3.5	10
83	Antimicrobial activity and mechanism of PLA/TP composite nanofibrous films. Journal of the Textile Institute, 2014, 105, 196-202.	1.9	9
84	Repeated-dose 26-week oral toxicity study of ginsenoside compound K in Beagle dogs. Journal of Ethnopharmacology, 2020, 248, 112323.	4.1	9
85	Trichromatic Dyeing of Polyimide Fiber Using Its Inherent Color as a Yellow Component. Fibers and Polymers, 2020, 21, 1783-1789.	2.1	9
86	Multi-Target Drug Design of Anti-Alzheimer's Disease based on Tacrine. Mini-Reviews in Medicinal Chemistry, 2021, 21, 2039-2064.	2.4	9
87	Role of mu-opioid receptor in nociceptive modulation in anterior cingulate cortex of rats. Molecular Pain, 2020, 16, 174480692096614.	2.1	8
88	Benzothiazole Amides as TRPC3/6 Inhibitors for Gastric Cancer Treatment. ACS Omega, 2021, 6, 9196-9203.	3.5	8
89	Liquid Chromatography–Mass Spectrometry/Mass Spectrometry Analysis and Pharmacokinetic Assessment of Ponatinib in Sprague–Dawley Rats. Oncology and Therapy, 2016, 4, 117-128.	2.6	7
90	Discovery of aminocyclohexene analogues as selective and orally bioavailable h Nav1.7 inhibitors for analgesia. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4979-4984.	2.2	7

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91	Toxicological evaluation of, red rice yeast extract, Xuezhikang: Acute, 26-week chronic and genotoxicity studies. Regulatory Toxicology and Pharmacology, 2020, 114, 104654.	2.7	7
92	Discovery of a novel 53BP1 inhibitor through AlphaScreen-based high-throughput screening. Bioorganic and Medicinal Chemistry, 2021, 34, 116054.	3.0	7
93	Preparation, Pharmacokinetics, Biodistribution, Antitumor Efficacy and Safety of Lx2-32c-Containing Liposome. PLoS ONE, 2014, 9, e114688.	2.5	6
94	4R Tau Modulates Cocaine-Associated Memory through Adult Dorsal Hippocampal Neurogenesis. Journal of Neuroscience, 2021, 41, 6753-6774.	3.6	6
95	Dual pH-responsive and CD44 receptor targeted multifunctional nanoparticles for anticancer intracellular delivery. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	5
96	Comparison study of different indoleamine-2,3 dioxygenase inhibitors from the perspective of pharmacodynamic effects. International Journal of Immunopathology and Pharmacology, 2020, 34, 205873842095058.	2.1	5
97	A study of D-allulose-associated reproductive toxicity in rats. Food and Chemical Toxicology, 2019, 131, 110548.	3.6	4
98	PCC0208018 exerts antitumor effects by activating effector T cells. International Journal of Immunopathology and Pharmacology, 2019, 33, 205873841984336.	2.1	4
99	PCC-0105002, a novel small molecule inhibitor of PSD95-nNOS protein-protein interactions, attenuates neuropathic pain and corrects motor disorder associated with neuropathic pain model. Toxicology and Applied Pharmacology, 2021, 429, 115698.	2.8	4
100	Electroacupuncture Alters BCI-Based Brain Network in Stroke Patients. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	4
101	Interaction of <scp><i>N</i></scp> â€methylformanilide with highâ€performance polyimide fibre and its effect on dyeing. Coloration Technology, 2022, 138, 407-416.	1.5	4
102	LPM3770277, a Potent Novel CDK4/6 Degrader, Exerts Antitumor Effect Against Triple-Negative Breast Cancer. Frontiers in Pharmacology, 2022, 13, 853993.	3.5	4
103	A novel approach to medical countermeasures against organophosphorus compound toxicity. Biomedical Reports, 2013, 1, 901-906.	2.0	3
104	Xylanase―and celluloseâ€aided bioprocessing of bamboo. Engineering in Life Sciences, 2015, 15, 605-611.	3.6	3
105	Synthesis and analysis of dihydrotetrabenazine derivatives as novel vesicular monoamine transporter 2 inhibitors. European Journal of Medicinal Chemistry, 2021, 224, 113718.	5.5	3
106	Lipidomics Reveals Dysregulated Glycerophospholipid Metabolism in the Corpus Striatum of Mice Treated with Cefepime. ACS Chemical Neuroscience, 2021, 12, 4449-4464.	3.5	3
107	Ameliorative effect of ginsenoside RT-5 on CDDP-induced nephrotoxicity. Wuhan University Journal of Natural Sciences, 2015, 20, 343-349.	0.4	2
108	Pharmacokinetics of S-EPA, and its inhibition on indoleamine 2,3-dioxgenase: a case of sulfur-substitution affecting distributions in blood cells. Xenobiotica, 2019, 49, 1338-1343.	1.1	2

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109	Total Synthesis of the Proposed Microcyclamides MZ602 and MZ568. Journal of Organic Chemistry, 2021, 86, 1065-1073.	3.2	2
110	Assessment of the toxicity and toxicokinetics of the novel potent tropomyosin receptor kinase (Trk) inhibitor LPM4870108 in rhesus monkeys. Regulatory Toxicology and Pharmacology, 2021, 122, 104886.	2.7	2
111	Integrated lipidomic and transcriptomic analysis reveals clarithromycin-induced alteration of glycerophospholipid metabolism in the cerebral cortex of mice. Cell Biology and Toxicology, 2023, 39, 771-793.	5.3	2
112	Evaluation of bamboo water-retting for fiber bundle extraction. Textile Reseach Journal, 2022, 92, 3289-3298.	2.2	2
113	Neonatal exposure to sevoflurane induces adolescent neurobehavioral dysfunction by interfering with hippocampal glycerophoslipid metabolism in rats. Cerebral Cortex, 2023, 33, 1955-1971.	2.9	2
114	Design, synthesis and biological activities of quinazoline containing sorafenib analogs as antitumor agents. Wuhan University Journal of Natural Sciences, 2017, 22, 239-246.	0.4	1
115	A Facile, Effective Synthesis of Excellent Fluorescent Carbon Dots with Optical Properties. ChemistrySelect, 2019, 4, 12762-12767.	1.5	1
116	Nutrient Stimulation of Indigenous Microorganisms for Oil-in-Water Emulsion in a Medium Temperature Petroleum Reservoir with Ca2+-Rich Brine. Geofluids, 2021, 2021, 1-9.	0.7	1
117	Brain Computer Interface for the Hand Function Restoration., 2021,,.		1
118	The tyrosine kinase inhibitor LPM4870108 impairs learning and memory and induces transcriptomic and gene‑specific DNA methylation changes in rats. Archives of Toxicology, 2022, 96, 845-857.	4.2	1
119	(+)-9-Trifluoroethoxy-α-Dihydrotetrabenazine as a Highly Potent Vesicular Monoamine Transporter 2 Inhibitor for Tardive Dyskinesia. Frontiers in Pharmacology, 2021, 12, 770377.	3 . 5	1
120	In Vitro and In Vivo Characterization of PCC0104005, a Novel Modulator of Serotonin-Dopamine Activity, as an Atypical Antipsychotic Drug. Scientific Reports, 2018, 8, 6892.	3.3	0
121	A 26-week toxicological study of Xuezhikang (XZK), red yeast rice extract, in Beagle dogs with a 4-week recovery period. Regulatory Toxicology and Pharmacology, 2020, 117, 104781.	2.7	0
122	Enzymatic Dyeing of Wool Fibers with Enhancement of Strength Using Laccase as Catalyst. Journal of Natural Fibers, 0, , 1-13.	3.1	0
123	9-Cyclopropylmethoxy-dihydrotetrabenazine and its stereoisomers as vesicular monoamine transporter-2 inhibitors. Future Medicinal Chemistry, 2022, 14, 991-1003.	2.3	0