

Chao Liu

List of Publications by Year in descending order

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68
papers

1,340
citations

304743

22
h-index

395702

33
g-index

72
all docs

72
docs citations

72
times ranked

1697
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of Aberrant MicroRNA-133a Expression in Endothelial Cells by Statin Prevents Endothelial Dysfunction by Targeting GTP Cyclohydrolase 1 in Vivo. <i>Circulation</i> , 2016, 134, 1752-1765.	1.6	103
2	A pH/ROS dual-responsive and targeting nanotherapy for vascular inflammatory diseases. <i>Biomaterials</i> , 2020, 230, 119605.	11.4	83
3	Time dependence of the enhancement effect of chemical enhancers: Molecular mechanisms of enhancing kinetics. <i>Journal of Controlled Release</i> , 2017, 248, 33-44.	9.9	58
4	Probing the role of chemical enhancers in facilitating drug release from patches: Mechanistic insights based on FT-IR spectroscopy, molecular modeling and thermal analysis. <i>Journal of Controlled Release</i> , 2016, 227, 13-22.	9.9	52
5	Mechanism study on ion-pair complexes controlling skin permeability: Effect of ion-pair dissociation in the viable epidermis on transdermal permeation of bisoprolol. <i>International Journal of Pharmaceutics</i> , 2017, 532, 29-36.	5.2	41
6	Apatinib in patients with advanced chordoma: a single-arm, single-centre, phase 2 study. <i>Lancet Oncology</i> , The, 2020, 21, 1244-1252.	10.7	41
7	Molecular Characterization of Reduced Susceptibility to Biocides in Clinical Isolates of <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1836.	3.5	40
8	Molecular mechanism of ion-pair releasing from acrylic pressure sensitive adhesive containing carboxyl group: Roles of doubly ionic hydrogen bond in the controlled release process of bisoprolol ion-pair. <i>Journal of Controlled Release</i> , 2018, 289, 146-157.	9.9	39
9	A donepezil/cyclodextrin complexation orodispersible film: Effect of cyclodextrin on taste-masking based on dynamic process and in vivo drug absorption. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 183-192.	9.1	39
10	Neuroprotective effects of cordycepin inhibit A β ² -induced apoptosis in hippocampal neurons. <i>NeuroToxicology</i> , 2018, 68, 73-80.	3.0	36
11	Surgical management of spinal solitary fibrous tumor/hemangiopericytoma: a case series of 20 patients. <i>European Spine Journal</i> , 2018, 27, 891-901.	2.2	34
12	Artesunate Attenuates Pro-Inflammatory Cytokine Release from Macrophages by Inhibiting TLR4-Mediated Autophagic Activation via the TRAF6-Beclin1-PI3KC3 Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 475-488.	1.6	34
13	Drug in Adhesive Patch of Zolmitriptan: Formulation and In vitro /In vivo Correlation. <i>AAPS PharmSciTech</i> , 2015, 16, 1245-1253.	3.3	33
14	Mechanistic insights of the controlled release capacity of polar functional group in transdermal drug delivery system: the relationship of hydrogen bonding strength and controlled release capacity. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 928-945.	12.0	33
15	Artesunate ameliorates severe acute pancreatitis (SAP) in rats by inhibiting expression of pro-inflammatory cytokines and Toll-like receptor 4. <i>International Immunopharmacology</i> , 2016, 38, 252-260.	3.8	31
16	The effect of rheological behavior and microstructure of the emulgels on the release and permeation profiles of Terpinen-4-ol. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 140-150.	4.0	26
17	Two new compounds from <i>Atractylodes macrocephala</i> with neuroprotective activity. <i>Journal of Asian Natural Products Research</i> , 2017, 19, 35-41.	1.4	26
18	Effect of drug-ion exchange resin complex in betahistine hydrochloride orodispersible film on sustained release, taste masking and hygroscopicity reduction. <i>International Journal of Pharmaceutics</i> , 2018, 545, 163-169.	5.2	26

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19	Investigate the control release effect of ion-pair in the development of escitalopram transdermal patch using FT-IR spectroscopy, molecular modeling and thermal analysis. <i>International Journal of Pharmaceutics</i> , 2017, 529, 391-400.	5.2	25
20	Development of a w/o emulsion using ionic liquid strategy for transdermal delivery of anti-aging component \pm lipoic acid: Mechanism of different ionic liquids on skin retention and efficacy evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105042.	4.0	24
21	Alternative therapy of rheumatoid arthritis with a novel transdermal patch containing <i>Siegesbeckia Herba</i> extract. <i>Journal of Ethnopharmacology</i> , 2021, 265, 113294.	4.1	24
22	Systematic investigation on the turning point of over-inflammation to immunosuppression in CLP mice model and their characteristics. <i>International Immunopharmacology</i> , 2017, 42, 49-58.	3.8	23
23	Structure-based development of an osteoprotegerin-like glycopeptide that blocks RANKL/RANK interactions and reduces ovariectomy-induced bone loss in mice. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 661-672.	5.5	22
24	Isolation, Structure Elucidation, and Total Synthesis of Myrtuspirone A from <i>Myrtus communis</i> . <i>Organic Letters</i> , 2019, 21, 1583-1587.	4.6	22
25	Dicarboxylic acid as a linker to improve the content of amorphous drug in drug-in-polymer film: Effects of molecular mobility, electrical conductivity and intermolecular interactions. <i>Journal of Controlled Release</i> , 2020, 317, 142-153.	9.9	22
26	Investigation of molecular mobility of pressure-sensitive-adhesive in oxybutynin patch in vitro and in vivo : Effect of sorbitan monooleate on drug release and patch mechanical property. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 116-124.	4.0	21
27	Development of long-acting rivastigmine drug-in-adhesive patch utilizing ion-pair strategy and characterization of controlled release mechanism. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 161, 105774.	4.0	21
28	Diaminodiacid-based synthesis of macrocyclic peptides using 1,2,3-triazole bridges as disulfide bond mimetics. <i>RSC Advances</i> , 2017, 7, 2110-2114.	3.6	20
29	A molecular mechanism investigation of the transdermal/topical absorption classification system on the basis of drug skin permeation and skin retention. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121082.	5.2	18
30	Investigation of the enhancement effect of the natural transdermal permeation enhancers from <i>Ledum palustre</i> L. var. <i>angustum</i> N. Busch: Mechanistic insight based on interaction among drug, enhancers and skin. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 105-113.	4.0	17
31	Design, synthesis, and antiproliferative activities of stapled melittin peptides. <i>RSC Advances</i> , 2017, 7, 17514-17518.	3.6	16
32	Clinical features, treatments and long-term follow-up outcomes of spinal chondroblastoma: report of 13 clinical cases in a single center. <i>Journal of Neuro-Oncology</i> , 2018, 140, 99-106.	2.9	16
33	Development of a daphnetin transdermal patch using chemical enhancer strategy: insights of the enhancement effect of Transcutol P and the assessment of pharmacodynamics. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1642-1649.	2.0	16
34	Investigation on the effect of deep eutectic formation on drug-polymer miscibility and skin permeability of rotigotine drug-in-adhesive patch. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118852.	5.2	16
35	Mechanistic insights of the controlled release properties of amide adhesive and hydroxyl adhesive. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 13-21.	4.0	13
36	Design, Synthesis, and Antitumor Activities Study of Stapled A4K14-Citropin 1.1 Peptides. <i>Frontiers in Chemistry</i> , 2020, 8, 616147.	3.6	12

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37	Haplotype Analysis of Candidate Genes Involved in Inflammation and Oxidative Stress and the Susceptibility to Preeclampsia. <i>Journal of Immunology Research</i> , 2020, 2020, 1-11.	2.2	11
38	An insight into the molecular mechanism of the temporary enhancement effect of isopulegol decanoate on the skin. <i>International Journal of Pharmaceutics</i> , 2017, 529, 161-167.	5.2	10
39	Total Synthesis and Antibacterial Study of Cyclohexapeptides Desotamide B, Wollamide B and Their Analogs. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700414.	2.1	10
40	A Novel Height-Adjustable Nano-Hydroxyapatite/Polyamide-66 Vertebral Body for Reconstruction of Thoracolumbar Structural Stability After Spinal Tumor Resection. <i>World Neurosurgery</i> , 2019, 122, e206-e214.	1.3	9
41	d -Amino acid mutation of PMI as potent dual peptide inhibitors of p53-MDM2/MDMX interactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4678-4681.	2.2	8
42	Voltage-Gated Na ⁺ Channels are Modulated by Glucose and Involved in Regulating Cellular Insulin Content of INS-1 Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 446-457.	1.6	8
43	Cordycepin protects against β -amyloid and ibotenic acid-induced hippocampal CA1 pyramidal neuronal hyperactivity. <i>Korean Journal of Physiology and Pharmacology</i> , 2019, 23, 483.	1.2	8
44	Continuous production of celecoxib nanoparticles using a three-dimensional-coaxial-flow microfluidic platform. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118831.	5.2	8
45	Mechanistic Insights of the Critical Role of Hydrogen Donor in Controlling Drug Release From Acrylate Adhesive. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1096-1104.	3.3	7
46	The Downregulation of Placental Lumican Promotes the Progression of Preeclampsia. <i>Reproductive Sciences</i> , 2021, 28, 3147-3154.	2.5	7
47	Erzhi pills ameliorate cognitive dysfunction and alter proteomic hippocampus profiles induced by d-galactose and Al ²⁺ injection in ovariectomized Alzheimer's disease model rats. <i>Pharmaceutical Biology</i> , 2021, 59, 1400-1412.	2.9	7
48	Rapid screening for acetylcholinesterase inhibitors in <i>Selaginella doederleinii</i> Hieron by using functionalized magnetic Fe ₃ O ₄ nanoparticles. <i>Talanta</i> , 2022, 243, 123284.	5.5	7
49	Factors Affecting Prognosis of Patients With Osteoblastoma of the Mobile Spine: A Long-Term Follow-up Study of 70 Patients in a Single Center. <i>Neurosurgery</i> , 2020, 86, 71-79.	1.1	6
50	Synthesis, In Vitro Biological Evaluation, and Molecular Docking of New Triazoles as Potent Antifungal Agents. <i>Archiv Der Pharmazie</i> , 2016, 349, 42-49.	4.1	5
51	pDobz/pDobb protected diaminodiacid as a novel building block for peptide disulfide-bond mimic synthesis. <i>RSC Advances</i> , 2019, 9, 5438-5444.	3.6	5
52	Synthesis and anti-osteoporosis activity of novel Teriparatide glycosylation derivatives. <i>RSC Advances</i> , 2020, 10, 25730-25735.	3.6	5
53	Portable Device Improves the Detection of Atrial Fibrillation After Ablation. <i>International Heart Journal</i> , 2021, 62, 786-791.	1.0	5
54	Solid-Phase Synthesis of Cyclic Heptapeptide Stylissatin A. <i>Chemistry of Natural Compounds</i> , 2016, 52, 1069-1072.	0.8	4

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55	Arylboronate Ester Protected Amino Acids as Orthogonal Building Blocks for Fmoc Solid-Phase Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5916-5920.	2.4	4
56	Effects of polysaccharide from <i>Portulaca oleracea</i> L. on voltage-gated Na ⁺ channel of INS-1 cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 572-578.	5.6	4
57	Antibacterial Triketone-Phloroglucinol-Triketone Adducts from <i>Myrtus communis</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000708.	2.1	4
58	<p>Effects of GSTA1 and GPX3 Polymorphisms on the Risk of Schizophrenia in Chinese Han Population</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 113-118.	2.2	4
59	Development of novel bone targeting peptide-drug conjugate of 13-aminomethyl-15-thiomatine for osteoporosis therapy. <i>RSC Advances</i> , 2021, 12, 221-227.	3.6	4
60	Development and Evaluation of Cucurbitacin B Microemulsion: the Effect of Oil Phase and Aqueous Phase on Drug Percutaneous Absorption Based on ATR-FTIR Spectroscopy and Molecular Modeling. <i>AAPS PharmSciTech</i> , 2020, 21, 258.	3.3	3
61	Design, synthesis, and anti-tumor activities of novel Brevinin-1BYa peptidomimetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 37, 127831.	2.2	3
62	Design, Synthesis, and Antitumor Activity Study of All-Hydrocarbon-Stapled B1-Leu Peptides. <i>Frontiers in Chemistry</i> , 2022, 10, 840131.	3.6	3
63	Synthesis of a Ubiquitinated Histone Mimic Bearing a New Thioether Linkage. <i>Synlett</i> , 2017, 28, 1939-1943.	1.8	2
64	Solid Phase Synthesis of Marine Cyclopeptide Phakellistatin 13. <i>Chemistry of Natural Compounds</i> , 2018, 54, 745-748.	0.8	2
65	Total Synthesis of Cyclic Lipodepsipeptide Ophiotine. <i>Chemistry of Natural Compounds</i> , 2020, 56, 883-887.	0.8	2
66	Demarcation of arteriopulmonary segments: a novel and effective method for the identification of pulmonary segments. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110143.	1.0	2
67	Artesunate attenuates pro-inflammatory cytokine release of macrophage by inhibiting TLR4-mediated autophagic activation via TRAF6-BECN1-Vps34 pathway. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-4-16.	0.0	0
68	Mitsunobu-Reaction-Based Total Solid-Phase Synthesis of Fanlizhicyclopeptide B. <i>Chemistry of Natural Compounds</i> , 2021, 57, 1086-1089.	0.8	0