

Lu Xu

List of Publications by Year in descending order

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59
papers

1,620
citations

257450

24
h-index

315739

38
g-index

60
all docs

60
docs citations

60
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-modified nanoparticles overcome sequential absorption barriers for oral insulin delivery. <i>Journal of Controlled Release</i> , 2022, 342, 1-13.	9.9	29
2	Fabrication of three-dimensional-printed ofloxacin gastric floating sustained-release tablets with different structures. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 67, 102992.	3.0	6
3	Alanine modified chiral-responsive mesoporous silica as nanocarriers for improved oral bioavailability of carvedilol. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111634.	4.4	2
4	Construction of calcium carbonate-liposome dual-film coated mesoporous silica as a delayed drug release system for antitumor therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112357.	5.0	9
5	iTRAQ-derived quantitative proteomics uncovers the neuroprotective property of bexarotene in a mice model of cerebral ischemiaâ€“reperfusion injury. <i>Saudi Pharmaceutical Journal</i> , 2022, 30, 585-594.	2.7	3
6	Design of chiral mesoporous silica nanorods using ursodeoxycholic acid/chenodeoxycholic acid and CTAB as templates for chiral-selective release of achiral drugs. <i>Materials Letters</i> , 2021, 285, 129144.	2.6	4
7	Taohuajing reduces oxidative stress and inflammation in diabetic cardiomyopathy through the sirtuin 1/nucleotide-binding oligomerization domain-like receptor protein 3 pathway. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 78.	2.7	14
8	GDF11 Alleviates Pathological Myocardial Remodeling in Diabetic Cardiomyopathy Through SIRT1-Dependent Regulation of Oxidative Stress and Apoptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 686848.	3.7	17
9	Yohimbine hydrochloride inhibits benign prostatic hyperplasia by downregulating steroid 5 α -reductase type 2. <i>European Journal of Pharmacology</i> , 2021, 908, 174334.	3.5	6
10	Successively triggered Rod-shaped protocells for enhanced tumor Chemo-Photothermal therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 1-11.	4.3	3
11	Preparation and application of mesoporous core-shell nanosilica using leucine derivative as template in effective drug delivery. <i>Chinese Chemical Letters</i> , 2020, 31, 1165-1167.	9.0	5
12	A feasible strategy based on isotopic fine structures to enhance the reliability of metabolite identification by Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8560.	1.5	3
13	Preparation and dissolution characteristic evaluation of carvedilol-Kollocoat IR solid dispersions with HPMC and MC as combined carriers. <i>Powder Technology</i> , 2020, 360, 1220-1226.	4.2	1
14	A simplified strategy for molecular formula determination of chemical constituents in traditional Chinese medicines based on accurate mass, A \pm 1 and A \pm 2 isotopic peaks using Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8933.	1.0	1
15	Chiral Mesoporous Silica Materials: A Review on Synthetic Strategies and Applications. <i>Molecules</i> , 2020, 25, 3899.	3.8	15
16	Evaluation of the Solid Dispersion System Engineered from Mesoporous Silica and Polymers for the Poorly Water Soluble Drug Indomethacin: In Vitro and In Vivo. <i>Pharmaceutics</i> , 2020, 12, 144.	4.5	14
17	Problematic Internet use and the risk of suicide ideation in Chinese adolescents: A cross-sectional analysis. <i>Psychiatry Research</i> , 2020, 290, 112963.	3.3	23
18	β -Caryophyllene protects against ischemic stroke by promoting polarization of microglia toward M2 phenotype via the TLR4 pathway. <i>Life Sciences</i> , 2019, 237, 116915.	4.3	54

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19	Bexarotene Attenuates Focal Cerebral Ischemia-Induced Reperfusion Injury via the Suppression of JNK/Caspase-3 Signaling Pathway. <i>Neurochemical Research</i> , 2019, 44, 2809-2820.	3.3	16
20	Chiral mesoporous silica based LOFL delivery systems using achiral alcohols as co-structure-directing agents: Construction, characterization, sustained release and antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110483.	5.0	4
21	Design and preparation of mesoporous silica carriers with chiral structures for drug release differentiation. <i>Materials Science and Engineering C</i> , 2019, 103, 109737.	7.3	16
22	Tetrahydrocurcumin Ameliorates Diabetic Cardiomyopathy by Attenuating High Glucose-Induced Oxidative Stress and Fibrosis via Activating the SIRT1 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	4.0	80
23	Tamibarotene Improves Hippocampus Injury Induced by Focal Cerebral Ischemia-Reperfusion via Modulating PI3K/Akt Pathway in Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1832-1840.	1.6	15
24	β -N-Oxalyl-L- α , β -diaminopropionic acid from <i>Panax notoginseng</i> plays a major role in the treatment of type 2 diabetic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 114, 108801.	5.6	11
25	Applying Supercritical Fluid Technology to Prepare Ibuprofen Solid Dispersions with Improved Oral Bioavailability. <i>Pharmaceutics</i> , 2019, 11, 67.	4.5	15
26	Neuroprotective effects of curcumin against rats with focal cerebral ischemia-reperfusion injury. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1879-1887.	4.0	26
27	Cancer Cell Membrane-Camouflaged Nanorods with Endoplasmic Reticulum Targeting for Improved Antitumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46614-46625.	8.0	64
28	Effect of Shape on Mesoporous Silica Nanoparticles for Oral Delivery of Indomethacin. <i>Pharmaceutics</i> , 2019, 11, 4.	4.5	36
29	Evaluation of biomimetically synthesized mesoporous silica nanoparticles as drug carriers: Structure, wettability, degradation, biocompatibility and brain distribution. <i>Materials Science and Engineering C</i> , 2019, 94, 453-464.	7.3	59
30	Biomimetic synthesis and evaluation of histidine-derivative templated chiral mesoporous silica for improved oral delivery of the poorly water-soluble drug, nimodipine. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 321-330.	4.0	22
31	Degradation of glutamate-based organogels for biodegradable implants: In vitro study and in vivo observation. <i>Materials Science and Engineering C</i> , 2018, 82, 80-90.	7.3	17
32	Mesoporous silica nanorods for improved oral drug absorption. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1132-1140.	2.8	52
33	All-Trans Retinoic Acid Ameliorates the Early Experimental Cerebral Ischemia-Induced Reperfusion Injury in Rats by Inhibiting the Loss of the Blood-Brain Barrier via the JNK/P38MAPK Signaling Pathway. <i>Neurochemical Research</i> , 2018, 43, 1283-1296.	3.3	22
34	Mesoporous silicas templated by heterocyclic amino acid derivatives: Biomimetic synthesis and drug release application. <i>Materials Science and Engineering C</i> , 2018, 93, 407-418.	7.3	8
35	Rapid transport of deformation-tuned nanoparticles across biological hydrogels and cellular barriers. <i>Nature Communications</i> , 2018, 9, 2607.	12.8	186
36	β -Caryophyllene Pretreatment Alleviates Focal Cerebral Ischemia-Reperfusion Injury by Activating PI3K/Akt Signaling Pathway. <i>Neurochemical Research</i> , 2017, 42, 1459-1469.	3.3	42

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37	An epirubicin-peptide conjugate with anticancer activity is dependent upon the expression level of the surface transferrin receptor. <i>Molecular Medicine Reports</i> , 2017, 15, 323-330.	2.4	5
38	Î²-Caryophyllene/Hydroxypropyl-Î²-Cyclodextrin Inclusion Complex Improves Cognitive Deficits in Rats with Vascular Dementia through the Cannabinoid Receptor Type 2 -Mediated Pathway. <i>Frontiers in Pharmacology</i> , 2017, 8, 2.	3.5	39
39	Neuroprotective Effect of Î²-Caryophyllene on Cerebral Ischemia-Reperfusion Injury via Regulation of Necroptotic Neuronal Death and Inflammation: In Vivo and in Vitro. <i>Frontiers in Neuroscience</i> , 2017, 11, 583.	2.8	67
40	Rapid Quantification of Melamine in Different Brands/Types of Milk Powders Using Standard Addition Net Analyte Signal and Near-Infrared Spectroscopy. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-9.	1.6	5
41	Comparison of two kinds of docetaxel-vitamin E prodrugs: In vitro evaluation and in vivo antitumor activity. <i>International Journal of Pharmaceutics</i> , 2016, 505, 352-360.	5.2	5
42	Modulation of the wettability of excipients by surfactant and its impacts on the disintegration and release of tablets. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1945-1955.	2.0	16
43	Î²-Caryophyllene protects <i>in vitro</i> neurovascular unit against oxygen-glucose deprivation and reoxygenation-induced injury. <i>Journal of Neurochemistry</i> , 2016, 139, 757-768.	3.9	43
44	Î²-Caryophyllene Attenuates Focal Cerebral Ischemia-Reperfusion Injury by Nrf2/HO-1 Pathway in Rats. <i>Neurochemical Research</i> , 2016, 41, 1291-1304.	3.3	63
45	Contribution of carboxyl modified chiral mesoporous silica nanoparticles in delivering doxorubicin hydrochloride in vitro: pH-response controlled release, enhanced drug cellular uptake and cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 374-381.	5.0	51
46	Mutual interaction between guest drug molecules and host nanoporous silica xerogel studied using central composite design. <i>International Journal of Pharmaceutics</i> , 2016, 498, 32-39.	5.2	9
47	Comparison of bare and amino modified mesoporous silica@poly(ethyleneimine)s xerogel as indomethacin carrier: Superiority of amino modification. <i>Materials Science and Engineering C</i> , 2016, 59, 710-716.	7.3	35
48	Biomimetic synthesized bimodal nanoporous silica: Bimodal mesostructure formation and application for ibuprofen delivery. <i>Materials Science and Engineering C</i> , 2016, 58, 1105-1111.	7.3	25
49	Control-release microcapsule of famotidine loaded biomimetic synthesized mesoporous silica nanoparticles: Controlled release effect and enhanced stomach adhesion in vitro. <i>Materials Science and Engineering C</i> , 2016, 58, 273-277.	7.3	33
50	Apolipoprotein E-Mimetic COG1410 Reduces Acute Vasogenic Edema following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 175-182.	3.4	59
51	Biomimetic synthesized chiral mesoporous silica: Structures and controlled release functions as drug carrier. <i>Materials Science and Engineering C</i> , 2015, 55, 367-372.	7.3	38
52	Facile synthesis of functionalized ionic surfactant templated mesoporous silica for incorporation of poorly water-soluble drug. <i>International Journal of Pharmaceutics</i> , 2015, 492, 191-198.	5.2	38
53	Bexarotene Reduces Blood-Brain Barrier Permeability in Cerebral Ischemia-Reperfusion Injured Rats. <i>PLoS ONE</i> , 2015, 10, e0122744.	2.5	23
54	The load and release characteristics on a strong cationic ion-exchange fiber: kinetics, thermodynamics, and influences. <i>Drug Design, Development and Therapy</i> , 2014, 8, 945.	4.3	5

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55	A two-step strategy to design high bioavailable controlled-release nimodipine tablets: The push-pull osmotic pump in combination with the micronization/solid dispersion techniques. International Journal of Pharmaceutics, 2014, 461, 529-539.	5.2	24
56	Biomimetic synthesized nanoporous silica@poly(ethyleneimine)s xerogel as drug carrier: Characteristics and controlled release effect. International Journal of Pharmaceutics, 2014, 467, 9-18.	5.2	34
57	Oral sustained-release suspension based on a novel taste-masked and mucoadhesive carrier-ion-exchange fiber. International Journal of Pharmaceutics, 2014, 472, 74-81.	5.2	15
58	Development and comparison of intramuscularly long-acting paliperidone palmitate nanosuspensions with different particle size. International Journal of Pharmaceutics, 2014, 472, 380-385.	5.2	61
59	Preparation and Evaluation of Ibuprofen Solid Dispersion Systems with Kollidon Particles Using a Pulse Combustion Dryer System. Chemical and Pharmaceutical Bulletin, 2007, 55, 1545-1550.	1.3	27