

# Bing Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,045  
citations

430874

18  
h-index

477307

29  
g-index

55  
all docs

55  
docs citations

55  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-functional self-assembly nanoparticles originating from small molecule natural product for oral insulin delivery through modulating tight junctions. <i>Journal of Nanobiotechnology</i> , 2022, 20, 116.	9.1	16
2	Tetrahydropalmatine triggers angiogenesis via regulation of arginine biosynthesis. <i>Pharmacological Research</i> , 2021, 163, 105242.	7.1	20
3	Effect of Spray Drying Conditions on Physical Properties of Panax notoginseng Saponin (PNS) Powder and the Intra-Batch Dissolution Variability of PNS Hydrophilic Matrix Tablet. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 1425-1440.	4.3	3
4	Using a material database and data fusion method to accelerate the process model development of high shear wet granulation. <i>Scientific Reports</i> , 2021, 11, 16514.	3.3	8
5	Self-Assembled Nanoparticles of Natural Phytochemicals (Berberine and 3,4,5-Methoxycinnamic Acid) Originated from Traditional Chinese Medicine for Inhibiting Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>Current Drug Delivery</i> , 2021, 18, 914-921.	1.6	14
6	Prostate-Specific Membrane Antigen and Esterase Dual Responsive Camptothecin-oligopeptide Self-Assembled Nanoparticles for Efficient Anticancer Drug Delivery. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7959-7974.	6.7	7
7	Design, synthesis, and biological evaluation of ligustrazine - betulin amino-acid/dipeptide derivatives as anti-tumor agents. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111839.	5.5	8
8	Self-assembled natural phytochemicals for synergistically antibacterial application from the enlightenment of traditional Chinese medicine combination. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1784-1795.	12.0	91
9	Self-Assemblies Based on Traditional Medicine Berberine and Cinnamic Acid for Adhesion-Induced Inhibition Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 227-237.	8.0	97
10	The novel glycyrrhetic acid-tetramethylpyrazine conjugate TOGA induces anti-hepatocarcinogenesis by inhibiting the effects of tumor-associated macrophages on tumor cells. <i>Pharmacological Research</i> , 2020, 161, 105233.	7.1	17
11	Synergistic Effect of Berberine-Based Chinese Medicine Assembled Nanostructures on Diarrhea-Predominant Irritable Bowel Syndrome In Vivo. <i>Frontiers in Pharmacology</i> , 2020, 11, 1210.	3.5	43
12	A novel long-acting oxyntomodulin analogue eliminates diabetes and obesity in mice. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112496.	5.5	25
13	BA-12 Inhibits Angiogenesis via Glutathione Metabolism Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4062.	4.1	10
14	Synthesis of Novel Baicalein Amino Acid Derivatives and Biological Evaluation as Neuroprotective Agents. <i>Molecules</i> , 2019, 24, 3647.	3.8	9
15	Design, synthesis and biological evaluation of cinnamic acid derivatives with synergetic neuroprotection and angiogenesis effect. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111695.	5.5	18
16	A compression behavior classification system of pharmaceutical powders for accelerating direct compression tablet formulation design. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118742.	5.2	43
17	Improved Understanding of the High Shear Wet Granulation Process under the Paradigm of Quality by Design Using <i>Salvia miltiorrhiza</i> Granules. <i>Pharmaceutics</i> , 2019, 11, 519.	4.5	10
18	Raw Material Variability and Its Impact on the Online Adaptive Control of Cohesive Powder Blend Homogeneity Using NIR Spectroscopy. <i>Processes</i> , 2019, 7, 568.	2.8	3

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19	A Novel Framework to Aid the Development of Design Space across Multi-Unit Operation Pharmaceutical Processes—A Case Study of Panax Notoginseng Saponins Immediate Release Tablet. <i>Pharmaceutics</i> , 2019, 11, 474.	4.5	7
20	Real-Time Release Testing of Herbal Extract Powder by Near-Infrared Spectroscopy considering the Uncertainty around Specification Limits. <i>Journal of Spectroscopy</i> , 2019, 2019, 1-10.	1.3	4
21	Synthesis and biological activity of glycyrrhetic acid derivatives as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 623-635.	5.5	20
22	Using a Material Library to Understand the Impacts of Raw Material Properties on Ribbon Quality in Roll Compaction. <i>Pharmaceutics</i> , 2019, 11, 662.	4.5	14
23	Optimal Selection of Incoming Materials from the Inventory for Achieving the Target Drug Release Profile of High Drug Load Sustained-Release Matrix Tablet. <i>AAPS PharmSciTech</i> , 2019, 20, 76.	3.3	9
24	SeDeM expert system for directly compressed tablet formulation: A review and new perspectives. <i>Powder Technology</i> , 2019, 342, 517-527.	4.2	30
25	Neuroprotection by new ligustrazine-cinnamoyl acid derivatives on CoCl <sub>2</sub> -induced apoptosis in differentiated PC12 cells. <i>Bioorganic Chemistry</i> , 2018, 77, 360-369.	4.1	11
26	PSMA-Oriented Target Delivery of Novel Anticancer Prodrugs: Design, Synthesis, and Biological Evaluations of Oligopeptide-Camptothecin Conjugates. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3251.	4.1	8
27	Synthesis and biological evaluation of podophyllotoxin derivatives as selective antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 183-196.	5.5	31
28	Setting up multivariate specifications on critical raw material attributes to ensure consistent drug dissolution from high drug-load sustained-release matrix tablet. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1733-1743.	2.0	9
29	Metabolomics data fusion between near infrared spectroscopy and high-resolution mass spectrometry: A synergetic approach to boost performance or induce confusion. <i>Talanta</i> , 2018, 189, 641-648.	5.5	26
30	Overall uncertainty measurement for near infrared analysis of cryptotanshinone in tanshinone extract. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 39-47.	3.9	2
31	Combination of amino acid/dipeptide with ligustrazine-betulinic acid as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 26-38.	5.5	33
32	Design, synthesis and evaluation of new ligustrazine derivatives as potential plasma-stable neuroprotective agents. <i>MedChemComm</i> , 2017, 8, 652-656.	3.4	9
33	Synthesis and protective effect of new ligustrazine-vanillic acid derivatives against CoCl <sub>2</sub> -induced neurotoxicity in differentiated PC12 cells. <i>Chemistry Central Journal</i> , 2017, 11, 20.	2.6	12
34	Synthesis and biological activity evaluation of novel peroxo-bridged derivatives as potential anti-hepatitis B virus agents. <i>MedChemComm</i> , 2017, 8, 148-151.	3.4	6
35	Scale-up of a high shear wet granulation process using a nucleation regime map approach. <i>Particuology</i> , 2017, 31, 87-94.	3.6	19
36	Latent variable modeling to analyze the effects of process parameters on the dissolution of paracetamol tablet. <i>Bioengineered</i> , 2017, 8, 61-70.	3.2	8

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37	A New Oleanolic Acid Derivative against CCl <sub>4</sub> -Induced Hepatic Fibrosis in Rats. <i>International Journal of Molecular Sciences</i> , 2017, 18, 553.	4.1	20
38	An Overview of Structurally Modified Glycyrrhetic Acid Derivatives as Antitumor Agents. <i>Molecules</i> , 2017, 22, 924.	3.8	41
39	Statistical modeling methods to analyze the impacts of multiunit process variability on critical quality attributes of Chinese herbal medicine tablets. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3909-3924.	4.3	9
40	A Series of Oleanolic Acid Derivatives as Anti-Hepatitis B Virus Agents: Design, Synthesis, and in Vitro and in Vivo Biological Evaluation. <i>Molecules</i> , 2016, 21, 402.	3.8	17
41	Establishment and reliability evaluation of the design space for HPLC analysis of six alkaloids in <i>Coptis chinensis</i> (Huanglian) using Bayesian approach. <i>Chinese Journal of Natural Medicines</i> , 2016, 14, 697-708.	1.3	21
42	Robust design space development for HPLC analysis of five chemical components in <i>Panax notoginseng</i> saponins. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 504-512.	1.0	11
43	A New Ligustrazine Derivative-Selective Cytotoxicity by Suppression of NF- $\kappa$ B/p65 and COX-2 Expression on Human Hepatoma Cells. Part 3. <i>International Journal of Molecular Sciences</i> , 2015, 16, 16401-16413.	4.1	17
44	A Series of New Ligustrazine-Triterpenes Derivatives as Anti-Tumor Agents: Design, Synthesis, and Biological Evaluation. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21035-21055.	4.1	24
45	New Synthesis Method for Sultone Derivatives: Synthesis, Crystal Structure and Biological Evaluation of S-CA. <i>Molecules</i> , 2015, 20, 4307-4318.	3.8	12
46	Ligustrazinyl amides: a novel class of ligustrazine-phenolic acid derivatives with neuroprotective effects. <i>Chemistry Central Journal</i> , 2015, 9, 9.	2.6	14
47	Synthesis and protective effect of new ligustrazine derivatives against CoCl <sub>2</sub> -induced neurotoxicity in differentiated PC12 cells. Part 2. <i>MedChemComm</i> , 2015, 6, 806-809.	3.4	6
48	Amino Acid Derivatives of Ligustrazine-Oleanolic Acid as New Cytotoxic Agents. <i>Molecules</i> , 2014, 19, 18215-18231.	3.8	29
49	Target-oriented overall process optimization (TOPO) for reducing variability in the quality of herbal medicine products. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 128, 144-152.	3.5	4
50	NIR analysis for batch process of ethanol precipitation coupled with a new calibration model updating strategy. <i>Analytica Chimica Acta</i> , 2012, 720, 22-28.	5.4	64
51	Validation of a NIR quantification method for the determination of chlorogenic acid in <i>Lonicera japonica</i> solution in ethanol precipitation process. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 62, 1-6.	2.8	53