

# Bing Xu

## List of Publications by Year in descending order

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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	Self-Assemblies Based on Traditional Medicine Berberine and Cinnamic Acid for Adhesion-Induced Inhibition Multidrug-Resistant <i>Staphylococcus aureus</i> . ACS Applied Materials & Interfaces, 2020, 12, 227-237.	8.0	97
2	Self-assembled natural phytochemicals for synergistically antibacterial application from the enlightenment of traditional Chinese medicine combination. Acta Pharmaceutica Sinica B, 2020, 10, 1784-1795.	12.0	91
3	NIR analysis for batch process of ethanol precipitation coupled with a new calibration model updating strategy. Analytica Chimica Acta, 2012, 720, 22-28.	5.4	64
4	Validation of a NIR quantification method for the determination of chlorogenic acid in <i>Lonicera japonica</i> solution in ethanol precipitation process. Journal of Pharmaceutical and Biomedical Analysis, 2012, 62, 1-6.	2.8	53
5	A compression behavior classification system of pharmaceutical powders for accelerating direct compression tablet formulation design. International Journal of Pharmaceutics, 2019, 572, 118742.	5.2	43
6	Synergistic Effect of Berberine-Based Chinese Medicine Assembled Nanostructures on Diarrhea-Predominant Irritable Bowel Syndrome In Vivo. Frontiers in Pharmacology, 2020, 11, 1210.	3.5	43
7	An Overview of Structurally Modified Glycyrrhetic Acid Derivatives as Antitumor Agents. Molecules, 2017, 22, 924.	3.8	41
8	Combination of amino acid/dipeptide with ligustrazine-betulinic acid as antitumor agents. European Journal of Medicinal Chemistry, 2017, 130, 26-38.	5.5	33
9	Synthesis and biological evaluation of podophyllotoxin derivatives as selective antitumor agents. European Journal of Medicinal Chemistry, 2018, 155, 183-196.	5.5	31
10	SeDeM expert system for directly compressed tablet formulation: A review and new perspectives. Powder Technology, 2019, 342, 517-527.	4.2	30
11	Amino Acid Derivatives of Ligustrazine-Oleanolic Acid as New Cytotoxic Agents. Molecules, 2014, 19, 18215-18231.	3.8	29
12	Metabolomics data fusion between near infrared spectroscopy and high-resolution mass spectrometry: A synergetic approach to boost performance or induce confusion. Talanta, 2018, 189, 641-648.	5.5	26
13	A novel long-acting oxyntomodulin analogue eliminates diabetes and obesity in mice. European Journal of Medicinal Chemistry, 2020, 203, 112496.	5.5	25
14	A Series of New Ligustrazine-Triterpenes Derivatives as Anti-Tumor Agents: Design, Synthesis, and Biological Evaluation. International Journal of Molecular Sciences, 2015, 16, 21035-21055.	4.1	24
15	Establishment and reliability evaluation of the design space for HPLC analysis of six alkaloids in <i>Coptis chinensis</i> (Huanglian) using Bayesian approach. Chinese Journal of Natural Medicines, 2016, 14, 697-708.	1.3	21
16	A New Oleanolic Acid Derivative against CCl <sub>4</sub> -Induced Hepatic Fibrosis in Rats. International Journal of Molecular Sciences, 2017, 18, 553.	4.1	20
17	Synthesis and biological activity of glycyrrhetic acid derivatives as antitumor agents. European Journal of Medicinal Chemistry, 2019, 178, 623-635.	5.5	20
18	Tetrahydropalmatine triggers angiogenesis via regulation of arginine biosynthesis. Pharmacological Research, 2021, 163, 105242.	7.1	20

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19	Scale-up of a high shear wet granulation process using a nucleation regime map approach. <i>Particology</i> , 2017, 31, 87-94.	3.6	19
20	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
21	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
22	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
23	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
24	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
25	Ligustrazinyl amides: a novel class of ligustrazine-phenolic acid derivatives with neuroprotective effects. <i>Chemistry Central Journal</i> , 2015, 9, 9.	2.6	14
26	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
27	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
28	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
29	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
30	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
31	Neuroprotection by new ligustrazine-cinnamon acid derivatives on CoCl <sub>2</sub> -induced apoptosis in differentiated PC12 cells. <i>Bioorganic Chemistry</i> , 2018, 77, 360-369.	4.1	11
32	BA-12 Inhibits Angiogenesis via Glutathione Metabolism Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4062.	4.1	10
33	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
34	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
35	Design, synthesis and evaluation of new ligustrazine derivatives as potential plasma-stable neuroprotective agents. <i>MedChemComm</i> , 2017, 8, 652-656.	3.4	9
36	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

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37	Synthesis of Novel Baicalein Amino Acid Derivatives and Biological Evaluation as Neuroprotective Agents. <i>Molecules</i> , 2019, 24, 3647.	3.8	9
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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