

Haimin Lei

List of Publications by Year in descending order

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106
papers

1,993
citations

331670

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345221

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124
all docs

124
docs citations

124
times ranked

1823
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Berberine-Based Chinese Herb Medicine Assembled Nanostructures with Modified Antibacterial Application. <i>ACS Nano</i> , 2019, 13, 6770-6781.	14.6	224
2	Self-Assemblies Based on Traditional Medicine Berberine and Cinnamic Acid for Adhesion-Induced Inhibition Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 227-237.	8.0	97
3	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
4	Traditional herbal medicine and nanomedicine: Converging disciplines to improve therapeutic efficacy and human health. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113964.	13.7	71
5	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
6	Synthesis and Biological Evaluation of New Ligustrazine Derivatives as Anti-Tumor Agents. <i>Molecules</i> , 2012, 17, 4972-4985.	3.8	53
7	Quinone Derivatives from the Genus <i>Rubia</i> and Their Bioactivities. <i>Chemistry and Biodiversity</i> , 2014, 11, 341-363.	2.1	47
8	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
9	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
10	An Overview of Structurally Modified Glycyrrhetic Acid Derivatives as Antitumor Agents. <i>Molecules</i> , 2017, 22, 924.	3.8	41
11	Antiviral activity and underlying molecular mechanisms of Matrine against porcine reproductive and respiratory syndrome virus in vitro. <i>Research in Veterinary Science</i> , 2014, 96, 323-327.	1.9	37
12	Review of Constituents and Biological Activities of Triterpene Saponins from <i>Glycyrrhizae Radix et Rhizoma</i> and Its Solubilization Characteristics. <i>Molecules</i> , 2020, 25, 3904.	3.8	36
13	Berberine-Based Heterogeneous Linear Supramolecules Neutralized the Acute Nephrotoxicity of Aristolochic Acid by the Self-Assembly Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32729-32742.	8.0	36
14	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
15	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
16	Amino Acid Derivatives of Ligustrazine-Oleanolic Acid as New Cytotoxic Agents. <i>Molecules</i> , 2014, 19, 18215-18231.	3.8	29
17	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
18	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

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19	Application of orthogonal space regression to calibration transfer without standards. <i>Journal of Chemometrics</i> , 2013, 27, 406-413.	1.3	24
20	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
21	Synthesis and Protective Effect of New Ligustrazine-Benzoic Acid Derivatives against CoCl ₂ -Induced Neurotoxicity in Differentiated PC12 Cells. <i>Molecules</i> , 2013, 18, 13027-13042.	3.8	23
22	Compositions, Formation Mechanism, and Neuroprotective Effect of Compound Precipitation from the Traditional Chinese Prescription Huang-Lian-Jie-Du-Tang. <i>Molecules</i> , 2016, 21, 1094.	3.8	23
23	Separation and analysis of flavonoid chemical constituents in flowers of <i>Juglans regia</i> L. by ultra-high-performance liquid chromatography-hybrid quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 734-741.	2.8	22
24	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
25	A New Oleanolic Acid Derivative against CCl ₄ -Induced Hepatic Fibrosis in Rats. <i>International Journal of Molecular Sciences</i> , 2017, 18, 553.	4.1	20
26	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
27	Tetrahydropalmatine triggers angiogenesis via regulation of arginine biosynthesis. <i>Pharmacological Research</i> , 2021, 163, 105242.	7.1	20
28	Comprehensive analysis of Huanglian Jiedu decoction: Revealing the presence of a self-assembled phytochemical complex in its naturally-occurring precipitate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113820.	2.8	20
29	Si-Ni-San ameliorates chronic colitis by modulating type I interferons-mediated inflammation. <i>Phytomedicine</i> , 2021, 84, 153495.	5.3	19
30	The Profiling and Identification of the Absorbed Constituents and Metabolites of Guizhi Decoction in Rat Plasma and Urine by Rapid Resolution Liquid Chromatography Combined with Quadrupole-Time-of-Flight Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1409.	4.1	18
31	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
32	A Novel Ligustrazine Derivative T-VA Prevents Neurotoxicity in Differentiated PC12 Cells and Protects the Brain against Ischemia Injury in MCAO Rats. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21759-21774.	4.1	17
33	A New Ligustrazine Derivative-Selective Cytotoxicity by Suppression of NF- κ 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
34	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
35	Identification of a Quality Marker of Vinegar-Processed <i>Curcuma Zedoaria</i> on Oxidative Liver Injury. <i>Molecules</i> , 2019, 24, 2073.	3.8	17
36	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

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37	Antiviral activities of natural compounds derived from traditional chinese medicines against porcine circovirus type 2 (PCV2). <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 180-187.	2.6	16
38	An overview on structural modifications of ligustrazine and biological evaluation of its synthetic derivatives. <i>Research on Chemical Intermediates</i> , 2015, 41, 1385-1411.	2.7	16
39	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
40	Preparation and Evaluation of Solid Dispersions of A New Antitumor Compound Based on Early-Stage Preparation Discovery Concept. <i>AAPS PharmSciTech</i> , 2013, 14, 629-638.	3.3	15
41	Ligustrazine-Oleanolic Acid Glycine Derivative, G-TOA, Selectively Inhibited the Proliferation and Induced Apoptosis of Activated HSC-T6 Cells. <i>Molecules</i> , 2016, 21, 1599.	3.8	15
42	Origin and Formation Mechanism Investigation of Compound Precipitation from the Traditional Chinese Prescription Huang-Lian-Jie-Du-Tang by Isothermal Titration Calorimetry. <i>Molecules</i> , 2017, 22, 1456.	3.8	15
43	Bioactive Components from Qingwen Baidu Decoction against LPS-Induced Acute Lung Injury in Rats. <i>Molecules</i> , 2017, 22, 692.	3.8	15
44	Design, Synthesis, and Cytotoxic Analysis of Novel Hederageninâ€“Pyrazine Derivatives Based on Partial Least Squares Discriminant Analysis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2994.	4.1	15
45	Oleanolic Acid-amino Acids Derivatives: Design, Synthesis, and Hepatoprotective Evaluation In Vitro and In Vivo. <i>Molecules</i> , 2018, 23, 322.	3.8	15
46	Comprehensive screening of 63 coloring agents in cosmetics using matrix solid-phase dispersion and ultra-high-performance liquid chromatography coupled with quadrupole-Orbitrap high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1590, 27-38.	3.7	15
47	Chemical composition analysis of pomegranate seeds based on ultra-high-performance liquid chromatography coupled with quadrupole-Orbitrap high-resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 187, 113357.	2.8	15
48	Si-Wu-Tang ameliorates fibrotic liver injury via modulating intestinal microbiota and bile acid homeostasis. <i>Chinese Medicine</i> , 2021, 16, 112.	4.0	15
49	Ligustrazinyl amides: a novel class of ligustrazine-phenolic acid derivatives with neuroprotective effects. <i>Chemistry Central Journal</i> , 2015, 9, 9.	2.6	14
50	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
51	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
52	Protection of a New Heptapeptide from <i>Carapax trionycis</i> against Carbon Tetrachloride-Induced Acute Liver Injury in Mice. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 1130-1135.	1.3	13
53	Design, synthesis, and biological evaluation of the novel glycyrrhetic acid-cinnamoyl hybrids as anti-tumor agents. <i>Chemistry Central Journal</i> , 2016, 10, .	2.6	13
54	Design, Synthesis and Biological Evaluation of Diosgenin-Amino Acid Derivatives with Dual Functions of Neuroprotection and Angiogenesis. <i>Molecules</i> , 2019, 24, 4025.	3.8	13

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55	Fenton-like chemistry enables catalytic oxidative desulfurization of thioacetals and thioketals with hydrogen peroxide. <i>Green Chemistry</i> , 2022, 24, 4041-4049.	9.0	13
56	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
57	Near-infrared for on-line determination of quality parameter of <i>Sophora japonica</i> L. (formula) Tj ETQq1 1 0.784314 rgBT /Overlock 10 8.	0.6	12
58	Synthesis and protective effect of new ligustrazine-vanillic acid derivatives against CoCl ₂ -induced neurotoxicity in differentiated PC12 cells. <i>Chemistry Central Journal</i> , 2017, 11, 20.	2.6	12
59	Post-Chromatographic Dicationic Ionic Liquid-Based Charge Complexation for Highly Sensitive Analysis of Anionic Compounds by Ultra-High-Performance Supercritical Fluid Chromatography Coupled with Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 1771-1778.	6.5	12
60	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
61	Neuroprotection by new ligustrazine-cinnamom acid derivatives on CoCl ₂ -induced apoptosis in differentiated PC12 cells. <i>Bioorganic Chemistry</i> , 2018, 77, 360-369.	4.1	11
62	Betulinic Acid-Nitrogen Heterocyclic Derivatives: Design, Synthesis, and Antitumor Evaluation in Vitro. <i>Molecules</i> , 2020, 25, 948.	3.8	11
63	Mechanisms exploration of <i>Angelicae Sinensis Radix</i> and <i>Ligusticum Chuanxiong Rhizoma</i> herb-pair for liver fibrosis prevention based on network pharmacology and experimental pharmacology. <i>Chinese Journal of Natural Medicines</i> , 2021, 19, 241-254.	1.3	11
64	BA-12 Inhibits Angiogenesis via Glutathione Metabolism Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4062.	4.1	10
65	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
66	Method validation for the analysis of licorice acid in the blending process by near infrared diffuse reflectance spectroscopy. <i>Analytical Methods</i> , 2015, 7, 5830-5837.	2.7	9
67	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
68	Design, synthesis and evaluation of new ligustrazine derivatives as potential plasma-stable neuroprotective agents. <i>MedChemComm</i> , 2017, 8, 652-656.	3.4	9
69	Design, Synthesis and Biological Evaluation of Ligustrazine-Flavonoid Derivatives as Potential Anti-Tumor Agents. <i>Molecules</i> , 2018, 23, 2187.	3.8	9
70	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
71	Synthesis of Novel Baicalein Amino Acid Derivatives and Biological Evaluation as Neuroprotective Agents. <i>Molecules</i> , 2019, 24, 3647.	3.8	9
72	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

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73	Exploration of the Effects of Substrate Stiffness on Biological Responses of Neural Cells and Their Mechanisms. <i>ACS Omega</i> , 2020, 5, 31115-31125.	3.5	9
74	Synthesis and biological evaluation of T-OA analogues as the cytotoxic agents. <i>Research on Chemical Intermediates</i> , 2015, 41, 6257-6269.	2.7	8
75	Determination of Geniposide in <i>Gardenia jasminoides</i> Ellis Fruit by Near-Infrared Spectroscopy and Chemometrics. <i>Analytical Letters</i> , 2016, 49, 2063-2076.	1.8	8
76	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
77	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
78	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
79	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
80	In-vitro and in-vivo comparison of T-OA microemulsions and solid dispersions based on EPDC. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 263-271.	2.0	7
81	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
82	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
83	Synthesis and protective effect of new ligustrazine derivatives against CoCl ₂ -induced neurotoxicity in differentiated PC12 cells. Part 2. <i>MedChemComm</i> , 2015, 6, 806-809.	3.4	6
84	Evaluating the reliability of spectral variables selected by subsampling methods. <i>Journal of Chemometrics</i> , 2015, 29, 87-95.	1.3	6
85	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
86	Induction of apoptosis by an oleanolic acid derivative in SMMC-7721 human hepatocellular carcinoma cells is associated with mitochondrial dysfunction. <i>Oncology Letters</i> , 2018, 15, 2821-2828.	1.8	6
87	Pharmacodynamic study on insomnia-curing effects of Shuangxia Decoction in <i>Drosophila melanogaster</i> . <i>Chinese Journal of Natural Medicines</i> , 2016, 14, 653-660.	1.3	5
88	Novel Neuroprotective Lead Compound Ligustrazine Derivative Mass Spectrometry Fragmentation Rule and Metabolites in Rats by LC/LTQ-Orbitrap MS. <i>Molecules</i> , 2018, 23, 1154.	3.8	4
89	Rapid Characterization of Tanshinone Extract Powder by Near Infrared Spectroscopy. <i>International Journal of Analytical Chemistry</i> , 2015, 2015, 1-9.	1.0	3
90	Sodium tanshinone IIA sulfonate affects Marek's disease virus replication by inhibiting gB expression. <i>Pharmaceutical Biology</i> , 2016, 54, 701-704.	2.9	3

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91	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
92	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
93	Dealing with heterogeneous classification problem in the framework of multi-instance learning. <i>Talanta</i> , 2015, 132, 175-181.	5.5	2
94	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
95	A new strategy based on acid-alkali complexation for rapidly and accurately fishing phytochemicals in <i>Sennae Folium</i> . <i>Chinese Herbal Medicines</i> , 2020, 12, 188-194.	3.0	2
96	Comprehensive analysis of Sini decoction and investigation of acid-base self-assembled complexes using cold spray ionization mass spectrometry. <i>Microchemical Journal</i> , 2022, 173, 107008.	4.5	2
97	Intestinal lymphatic transport study of antitumor lead compound T-OA with liposomes. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 631-640.	0.2	2
98	Synergistic Combination of Facile Thiol-Maleimide Derivatization and Supramolecular Solvent-Based Microextraction for UHPLC-MS/MS Analysis of Glutathione in Biofluids. <i>Frontiers in Chemistry</i> , 2021, 9, 786627.	3.6	2
99	Revealing the Toxicity-Enhancing Essence of Glycyrrhiza on Genkwa Flos Based on Ultra-high-performance Liquid Chromatography Coupled With Quadrupole-Orbitrap High-Resolution Mass Spectrometry and Self-Assembled Supramolecular Technology. <i>Frontiers in Chemistry</i> , 2021, 9, 740952.	3.6	2
100	NIR Determination of Three Critical Quality Attributes in Alcohol Precipitation Process of <i>Lonicerae Japonicae</i> with Uncertainty Analysis. , 2012, , .		1
101	Development and Validation of a Portable AOTF-NIR Measurement Method for the Determination of Baicalin in Yinhuang Oral Solution. , 2012, , .		1
102	Preparation and physicochemical characterization of a solid dispersion of (3, 5)-Tj ETQqO O O rgBT /Overlock 10 Tf 50 307 Td (6-trimethyl polyvinylpyrrolidone). <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 861-866.	1.3	1
103	Robust PLS Prediction Model for Saikosaponin A in <i>Bupleurum chinense</i> DC. Coupled with Granularity-Hybrid Calibration Set. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-7.	1.6	1
104	Using quality by design and quality risk management principles to aid the development of a high shear wet granulation process. , 2016, , .		0
105	Revealing Calcium Signaling Pathway as Novel Mechanism of Danhong Injection for Treating Acute Myocardial Infarction by Systems Pharmacology and Experiment Validation. <i>Frontiers in Pharmacology</i> , 2022, 13, 839936.	3.5	0
106	Systems pharmacology and GC-MS metabolomics reveal the efficacy and mechanisms of zedoary oil on acute liver injury induced by oxidative stress. <i>Phytomedicine</i> , 2022, 104, 154295.	5.3	0