

Chengwei He

List of Publications by Year in descending order

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101
papers

5,913
citations

76294

40
h-index

79644

73
g-index

101
all docs

101
docs citations

101
times ranked

9021
citing authors

#	ARTICLE	IF	CITATIONS
1	Spheroidization of ultrasonic degraded corn silk polysaccharide to enhance bioactivity by the anti-solvent precipitation method. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 53-61.	1.7	8
2	Glytabastan B, a coumestan isolated from <i>Glycine tabacina</i> , alleviated synovial inflammation, osteoclastogenesis and collagen-induced arthritis through inhibiting MAPK and PI3K/AKT pathways. <i>Biochemical Pharmacology</i> , 2022, 197, 114912.	2.0	10
3	ROS-responsive fluorinated polyethyleneimine vector to co-deliver shMTHFD2 and shGPX4 plasmids induces ferroptosis and apoptosis for cancer therapy. <i>Acta Biomaterialia</i> , 2022, 140, 492-505.	4.1	37
4	Recent advances in the biosynthesis, structure-activity relationships, formulations, pharmacology, and clinical trials of fisetin. <i>EFood</i> , 2022, 3, .	1.7	20
5	Pharmacological activities and molecular mechanisms of Pulsatilla saponins. <i>Chinese Medicine</i> , 2022, 17, .	1.6	20
6	The structure-mechanism relationship and mode of actions of antimicrobial peptides: A review. <i>Trends in Food Science and Technology</i> , 2021, 109, 103-115.	7.8	88
7	Targeting autophagy using saponins as a therapeutic and preventive strategy against human diseases. <i>Pharmacological Research</i> , 2021, 166, 105428.	3.1	15
8	Anti-angiogenesis and anti-metastasis effects of Polyphyllin VII on Hepatocellular carcinoma cells in vitro and in vivo. <i>Chinese Medicine</i> , 2021, 16, 41.	1.6	19
9	Naturally occurring coumestans from plants, their biological activities and therapeutic effects on human diseases. <i>Pharmacological Research</i> , 2021, 169, 105615.	3.1	20
10	The structural characteristic of acidic-hydrolyzed corn silk polysaccharides and its protection on the H2O2-injured intestinal epithelial cells. <i>Food Chemistry</i> , 2021, 356, 129691.	4.2	35
11	Effect of Fe (III), Zn (II), and Cr (III) complexation on the physicochemical properties and bioactivities of corn silk polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 847-856.	3.6	16
12	A combined network pharmacology and molecular biology approach to investigate the active ingredients and potential mechanisms of mulberry (<i>Morus alba</i> L.) leaf on obesity. <i>Phytomedicine</i> , 2021, 92, 153714.	2.3	11
13	Drug resistance of targeted therapy for advanced non-small cell lung cancer harbored EGFR mutation: from mechanism analysis to clinical strategy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 3653-3664.	1.2	19
14	Polysaccharides from mulberry (<i>Morus alba</i> L.) leaf prevents obesity by inhibiting pancreatic lipase in high-fat diet induced mice. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 452-460.	3.6	31
15	Flavonoids from <i>Rhynchosia minima</i> root exerts anti-inflammatory activity in lipopolysaccharide-stimulated RAW 264.7 cells via MAPK/NF- κ B signaling pathway. <i>Inflammopharmacology</i> , 2020, 28, 289-297.	1.9	11
16	Synergistic anti-breast cancer effect of pulsatilla saponin D and camptothecin through interrupting autophagic lysosomal function and promoting p62-mediated ubiquitinated protein aggregation. <i>Carcinogenesis</i> , 2020, 41, 804-816.	1.3	17
17	Exploring protective effect of <i>Glycine tabacina</i> aqueous extract against nephrotic syndrome by network pharmacology and experimental verification. <i>Chinese Medicine</i> , 2020, 15, 79.	1.6	7
18	Fish oil alleviates LPS-induced inflammation and depressive-like behavior in mice via restoration of metabolic impairments. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 393-402.	2.0	9

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19	Low-Dose Berberine Attenuates the Anti-Breast Cancer Activity of Chemotherapeutic Agents via Induction of Autophagy and Antioxidation. <i>Dose-Response</i> , 2020, 18, 155932582093975.	0.7	16
20	Dolichosin A, a coumestan isolated from <i>Glycine tabacina</i> , inhibits IL-1 β -induced inflammation in SW982 human synovial cells and suppresses RANKL-induced osteoclastogenesis: From network pharmacology to experimental pharmacology. <i>Journal of Ethnopharmacology</i> , 2020, 258, 112855.	2.0	6
21	Isolation and Identification of Antiarthritic Constituents from <i>Glycine tabacina</i> and Network Pharmacology-Based Prediction of Their Protective Mechanisms against Rheumatoid Arthritis. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10664-10677.	2.4	8
22	Quantitative profiling of eicosanoids derived from n-6 and n-3 polyunsaturated fatty acids by twin derivatization strategy combined with LC-MS/MS in patients with type 2 diabetes mellitus. <i>Analytica Chimica Acta</i> , 2020, 1120, 24-35.	2.6	27
23	A Simple Method for Peak Alignment Using Relative Retention Time Related to an Inherent Peak in Liquid Chromatography-Mass Spectrometry-Based Metabolomics. <i>Journal of Chromatographic Science</i> , 2019, 57, 9-16.	0.7	10
24	Quantification of phospholipid fatty acids by chemical isotope labeling coupled with atmospheric pressure gas chromatography quadrupole-time-of-flight mass spectrometry (APGC/Q-TOF MS). <i>Analytica Chimica Acta</i> , 2019, 1082, 86-97.	2.6	16
25	Anti-inflammatory effects of <i>Glycine tabacina</i> extract in LPS-stimulated macrophages and collagen-induced arthritis mice. <i>Journal of Functional Foods</i> , 2019, 62, 103528.	1.6	8
26	In Vitro and In Vivo Anti-Inflammatory Effects of Polyphyllin VII through Downregulating MAPK and NF- κ B Pathways. <i>Molecules</i> , 2019, 24, 875.	1.7	58
27	<i>Glycine tabacina</i> ethanol extract ameliorates collagen-induced arthritis in rats via inhibiting pro-inflammatory cytokines and oxidation. <i>Journal of Ethnopharmacology</i> , 2019, 237, 20-27.	2.0	22
28	Metabolomics study of the anti-inflammatory effects of endogenous omega-3 polyunsaturated fatty acids. <i>RSC Advances</i> , 2019, 9, 41903-41912.	1.7	6
29	Preparative separation of minor saponins from <i>Panax notoginseng</i> leaves using biotransformation, macroporous resins, and preparative high-performance liquid chromatography. <i>Journal of Ginseng Research</i> , 2019, 43, 105-115.	3.0	22
30	Fast identification of anticancer constituents in <i>Forsythiae Fructus</i> based on metabolomics approaches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 312-320.	1.4	12
31	Qualitative and quantitative analysis of the saponins in <i>Panax notoginseng</i> leaves using ultra-performance liquid chromatography coupled with time-of-flight tandem mass spectrometry and high performance liquid chromatography coupled with UV detector. <i>Journal of Ginseng Research</i> , 2018, 42, 149-157.	3.0	49
32	Gallic acid, a natural polyphenol, protects against tert-butyl hydroperoxide-induced hepatotoxicity by activating ERK-Nrf2-Keap1-mediated antioxidative response. <i>Food and Chemical Toxicology</i> , 2018, 119, 479-488.	1.8	54
33	Implication of hormetic effect in traditional Chinese medicine. <i>Longhua Chinese Medicine</i> , 2018, 1, 6-6.	0.5	1
34	Polysaccharide PRM3 from <i>Rhynchosia minima</i> root enhances immune function through TLR4-NF- κ B pathway. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1751-1759.	1.1	20
35	Characterization and immunoregulatory activity of two polysaccharides from the root of <i>Ilex asprella</i> . <i>Carbohydrate Polymers</i> , 2018, 197, 9-16.	5.1	44
36	An integrated strategy to improve data acquisition and metabolite identification by time-staggered ion lists in UHPLC/Q-TOF MS-based metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 157, 171-179.	1.4	11

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37	Schisantherin A Attenuates Neuroinflammation in Activated Microglia: Role of Nrf2 Activation Through ERK Phosphorylation. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1769-1784.	1.1	35
38	Inhibitory Effects of Betulinic Acid on LPS-Induced Neuroinflammation Involve M2 Microglial Polarization via CaMKK β -Dependent AMPK Activation. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 98.	1.4	57
39	Enriched Endogenous Omega-3 Fatty Acids in Mice Ameliorate Parenchymal Cell Death After Traumatic Brain Injury. <i>Molecular Neurobiology</i> , 2017, 54, 3317-3326.	1.9	21
40	Pluronic F68-Linoleic Acid Nano-spheres Mediated Delivery of Gambogic Acid for Cancer Therapy. <i>AAPS PharmSciTech</i> , 2017, 18, 147-155.	1.5	12
41	Hormetic effect of panaxatriol saponins confers neuroprotection in PC12 cells and zebrafish through PI3K/AKT/mTOR and AMPK/SIRT1/FOXO3 pathways. <i>Scientific Reports</i> , 2017, 7, 41082.	1.6	65
42	Triphenylphosphonium-modified poly(ethylene glycol)-poly(ϵ -caprolactone) micelles for mitochondria-targeted gambogic acid delivery. <i>International Journal of Pharmaceutics</i> , 2017, 522, 21-33.	2.6	41
43	Dihydromyricetin Induces Apoptosis and Reverses Drug Resistance in Ovarian Cancer Cells by p53-mediated Downregulation of Survivin. <i>Scientific Reports</i> , 2017, 7, 46060.	1.6	45
44	Co-delivery of paclitaxel and tetrandrine via iRGD peptide conjugated lipid-polymer hybrid nanoparticles overcome multidrug resistance in cancer cells. <i>Scientific Reports</i> , 2017, 7, 46057.	1.6	59
45	A review on phytochemical and pharmacological properties of <i>Litsea coreana</i> . <i>Pharmaceutical Biology</i> , 2017, 55, 1368-1374.	1.3	25
46	Anticancer Properties and Pharmaceutical Applications of Plumbagin: A Review. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 423-441.	1.5	62
47	Recent Advances in Anticancer Activities and Drug Delivery Systems of Tannins. <i>Medicinal Research Reviews</i> , 2017, 37, 665-701.	5.0	86
48	Differences in Chemical Component and Anticancer Activity of Green and Ripe Forsythiae Fructus. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 1513-1536.	1.5	18
49	Omega-3 polyunsaturated fatty acids ameliorate ethanol-induced adipose hyperlipolysis: A mechanism for hepatoprotective effect against alcoholic liver disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3190-3201.	1.8	44
50	Berberine protects against 6-OHDA-induced neurotoxicity in PC12 cells and zebrafish through hormetic mechanisms involving PI3K/AKT/Bcl-2 and Nrf2/HO-1 pathways. <i>Redox Biology</i> , 2017, 11, 1-11.	3.9	132
51	β -Glucosidase inhibitory activity and structural characterization of polysaccharide fraction from <i>Rhynchosia minima</i> root. <i>Journal of Functional Foods</i> , 2017, 28, 76-82.	1.6	43
52	Sensitive and Selective Detection of Oxo-Form Organophosphorus Pesticides Based on CdSe/ZnS Quantum Dots. <i>Molecules</i> , 2017, 22, 1421.	1.7	20
53	Anticancer activities and mechanisms of heat-clearing and detoxicating traditional Chinese herbal medicine. <i>Chinese Medicine</i> , 2017, 12, 20.	1.6	68
54	Hepatoprotective properties of <i>Penthorum chinense</i> Pursh against carbon tetrachloride-induced acute liver injury in mice. <i>Chinese Medicine</i> , 2017, 12, 32.	1.6	35

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55	Preparation, characterization, and anticancer efficacy of evodiamine-loaded PLGA nanoparticles. <i>Drug Delivery</i> , 2016, 23, 898-906.	2.5	27
56	Endogenous n-3 Fatty Acids Alleviate Carbon-Tetrachloride-Induced Acute Liver Injury in Fat-1 Transgenic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	18
57	Recent insights into the biological activities and drug delivery systems of tanshinones. <i>International Journal of Nanomedicine</i> , 2016, 11, 121.	3.3	56
58	Protection against Oxygen-Glucose Deprivation/Reperfusion Injury in Cortical Neurons by Combining Omega-3 Polyunsaturated Acid with Lyciumbarbarum Polysaccharide. <i>Nutrients</i> , 2016, 8, 41.	1.7	18
59	Polyphyllin VII Induces an Autophagic Cell Death by Activation of the JNK Pathway and Inhibition of PI3K/AKT/mTOR Pathway in HepG2 Cells. <i>PLoS ONE</i> , 2016, 11, e0147405.	1.1	57
60	Research and Development of Hepatitis B Drugs: An Analysis Based on Technology Flows Measured by Patent Citations. <i>PLoS ONE</i> , 2016, 11, e0164328.	1.1	5
61	Protective Effects of Otophyllaside N on Pentylentetrazol-Induced Neuronal Injury In vitro and In vivo. <i>Frontiers in Pharmacology</i> , 2016, 7, 224.	1.6	28
62	Vitamin E succinate-conjugated F68 micelles for mitoxantrone delivery in enhancing anticancer activity. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3167-3178.	3.3	27
63	Prospects of Poria cocos polysaccharides: Isolation process, structural features and bioactivities. <i>Trends in Food Science and Technology</i> , 2016, 54, 52-62.	7.8	73
64	Anti-melanoma activity of Forsythiae Fructus aqueous extract in mice involves regulation of glycerophospholipid metabolisms by UPLC/Q-TOF MS-based metabolomics study. <i>Scientific Reports</i> , 2016, 6, 39415.	1.6	18
65	Preventive effect of α -linolenic acid-rich flaxseed oil against ethanol-induced liver injury is associated with ameliorating gut-derived endotoxin-mediated inflammation in mice. <i>Journal of Functional Foods</i> , 2016, 23, 532-541.	1.6	26
66	PCL-F68-PCL/PLGA-PEG-PLGA mixed micelles mediated delivery of mitoxantrone for reversing multidrug resistant in breast cancer. <i>RSC Advances</i> , 2016, 6, 35318-35327.	1.7	7
67	An improved pseudotargeted metabolomics approach using multiple ion monitoring with time-staggered ion lists based on ultra-high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 927, 82-88.	2.6	50
68	Forsythiae Fructus Inhibits B16 Melanoma Growth Involving MAPKs/Nrf2/HO-1 Mediated Anti-Oxidation and Anti-Inflammation. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 1043-1061.	1.5	53
69	Synergistic chemopreventive effects of curcumin and berberine on human breast cancer cells through induction of apoptosis and autophagic cell death. <i>Scientific Reports</i> , 2016, 6, 26064.	1.6	97
70	Dietary α -linolenic acid-rich flaxseed oil prevents against alcoholic hepatic steatosis via ameliorating lipid homeostasis at adipose tissue-liver axis in mice. <i>Scientific Reports</i> , 2016, 6, 26826.	1.6	59
71	Neuroprotective effects of ginsenosides on neural progenitor cells against oxidative injury. <i>Molecular Medicine Reports</i> , 2016, 13, 3083-3091.	1.1	35
72	Endogenous Docosahexaenoic Acid (DHA) Prevents A β 42 Oligomer-Induced Neuronal Injury. <i>Molecular Neurobiology</i> , 2016, 53, 3146-3153.	1.9	25

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73	Glycyrrhetic Acid Mediated Drug Delivery Carriers for Hepatocellular Carcinoma Therapy. <i>Molecular Pharmaceutics</i> , 2016, 13, 699-709.	2.3	113
74	Ultrasonic extraction, antioxidant and anticancer activities of novel polysaccharides from Chuanxiong rhizome. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 277-284.	3.6	70
75	UHPLC/Q-TOFMS-based metabolomics for the characterization of cold and hot properties of Chinese materia medica. <i>Journal of Ethnopharmacology</i> , 2016, 179, 234-242.	2.0	43
76	Enriched Endogenous Omega-3 Polyunsaturated Fatty Acids Protect Cortical Neurons from Experimental Ischemic Injury. <i>Molecular Neurobiology</i> , 2016, 53, 6482-6488.	1.9	34
77	Low Doses of Camptothecin Induced Hormetic and Neuroprotective Effects in PC12 Cells. <i>Dose-Response</i> , 2015, 13, 155932581559260.	0.7	18
78	Polyphyllin VII induces apoptosis in HepG2 cells through ROS-mediated mitochondrial dysfunction and MAPK pathways. <i>BMC Complementary and Alternative Medicine</i> , 2015, 16, 58.	3.7	75
79	Ultrasound-Assisted Extraction, Antioxidant and Anticancer Activities of the Polysaccharides from <i>Rhynchosia minima</i> Root. <i>Molecules</i> , 2015, 20, 20901-20911.	1.7	17
80	Hormetic Effect of Berberine Attenuates the Anticancer Activity of Chemotherapeutic Agents. <i>PLoS ONE</i> , 2015, 10, e0139298.	1.1	47
81	Ginsenoside Rb1 attenuates angiotensin II-induced abdominal aortic aneurysm through inactivation of the JNK and p38 signaling pathways. <i>Vascular Pharmacology</i> , 2015, 73, 86-95.	1.0	43
82	Pulsatilla Saponin D Inhibits Autophagic Flux and Synergistically Enhances the Anticancer Activity of Chemotherapeutic Agents Against HeLa Cells. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 1657-1670.	1.5	28
83	Protective Effect of <i>Panax notoginseng</i> Saponins on Acute Ethanol-Induced Liver Injury Is Associated with Ameliorating Hepatic Lipid Accumulation and Reducing Ethanol-Mediated Oxidative Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2413-2422.	2.4	73
84	Ginsenoside Rg1, a potential JNK inhibitor, protects against ischemia/reperfusion-induced liver damage. <i>Journal of Functional Foods</i> , 2015, 15, 580-592.	1.6	6
85	Purification, structural characterization and anticancer activity of the novel polysaccharides from <i>Rhynchosia minima</i> root. <i>Carbohydrate Polymers</i> , 2015, 132, 67-71.	5.1	87
86	Cucurbitacins: A Systematic Review of the Phytochemistry and Anticancer Activity. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 1331-1350.	1.5	72
87	Saponins isolated from the leaves of <i>Panax notoginseng</i> protect against alcoholic liver injury via inhibiting ethanol-induced oxidative stress and gut-derived endotoxin-mediated inflammation. <i>Journal of Functional Foods</i> , 2015, 19, 214-224.	1.6	51
88	Review on the extraction, characterization and application of soybean polysaccharide. <i>RSC Advances</i> , 2015, 5, 73525-73534.	1.7	24
89	Omega-3 Polyunsaturated Fatty Acids Protect Neural Progenitor Cells against Oxidative Injury. <i>Marine Drugs</i> , 2014, 12, 2341-2356.	2.2	46
90	Concise Review: Regulation of Stem Cell Proliferation and Differentiation by Essential Fatty Acids and Their Metabolites. <i>Stem Cells</i> , 2014, 32, 1092-1098.	1.4	79

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91	Enriched endogenous omega-3 fatty acids in mice protect against global ischemia injury. <i>Journal of Lipid Research</i> , 2014, 55, 1288-1297.	2.0	39
92	Characterizing plasma phospholipid fatty acid profiles of polycystic ovary syndrome patients with and without insulin resistance using GC-MS and chemometrics approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 85-92.	1.4	32
93	Delta-6-desaturase activity and arachidonic acid synthesis are increased in human breast cancer tissue. <i>Cancer Science</i> , 2013, 104, 760-764.	1.7	53
94	Effects of Coptis extract combined with chemotherapeutic agents on ROS production, multidrug resistance, and cell growth in A549 human lung cancer cells. <i>Chinese Medicine</i> , 2012, 7, 11.	1.6	23
95	Inhibiting Delta-6 Desaturase Activity Suppresses Tumor Growth in Mice. <i>PLoS ONE</i> , 2012, 7, e47567.	1.1	47
96	Regulator of G protein signaling 5 protects against cardiac hypertrophy and fibrosis during biomechanical stress of pressure overload. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13818-13823.	3.3	125
97	Improved spatial learning performance of fat-1 mice is associated with enhanced neurogenesis and neuritogenesis by docosahexaenoic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11370-11375.	3.3	203
98	Coptis extracts enhance the anticancer effect of estrogen receptor antagonists on human breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 174-178.	1.0	74
99	Label-Free Biomedical Imaging with High Sensitivity by Stimulated Raman Scattering Microscopy. <i>Science</i> , 2008, 322, 1857-1861.	6.0	1,850
100	Melanoma growth is reduced in fat-1 transgenic mice: Impact of omega-6/omega-3 essential fatty acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12499-12504.	3.3	125
101	The extract of huanglian, a medicinal herb, induces cell growth arrest and apoptosis by upregulation of interferon- β and TNF- α in human breast cancer cells. <i>Carcinogenesis</i> , 2005, 26, 1934-1939.	1.3	86