

Chengwei He

List of Publications by Year in descending order

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101
papers

5,913
citations

76196

40
h-index

79541

73
g-index

101
all docs

101
docs citations

101
times ranked

9021
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Biomedical Imaging with High Sensitivity by Stimulated Raman Scattering Microscopy. <i>Science</i> , 2008, 322, 1857-1861.	6.0	1,850
2	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
3	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
4	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
5	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
6	Glycyrrhetic Acid Mediated Drug Delivery Carriers for Hepatocellular Carcinoma Therapy. <i>Molecular Pharmaceutics</i> , 2016, 13, 699-709.	2.3	113
7	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
8	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
9	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
10	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
11	Recent Advances in Anticancer Activities and Drug Delivery Systems of Tannins. <i>Medicinal Research Reviews</i> , 2017, 37, 665-701.	5.0	86
12	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
13	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
14	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
15	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
16	Prospects of <i>Poria cocos</i> polysaccharides: Isolation process, structural features and bioactivities. <i>Trends in Food Science and Technology</i> , 2016, 54, 52-62.	7.8	73
17	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
18	Ultrasonic extraction, antioxidant and anticancer activities of novel polysaccharides from <i>Chuanxiong</i> rhizome. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 277-284.	3.6	70

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19	Anticancer activities and mechanisms of heat-clearing and detoxicating traditional Chinese herbal medicine. <i>Chinese Medicine</i> , 2017, 12, 20.	1.6	68
20	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
21	Anticancer Properties and Pharmaceutical Applications of Plumbagin: A Review. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 423-441.	1.5	62
22	Dietary ω -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
23	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
24	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
25	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
26	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
27	Recent insights into the biological activities and drug delivery systems of tanshinones. <i>International Journal of Nanomedicine</i> , 2016, 11, 121.	3.3	56
28	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
29	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
30	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
31	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
32	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
33	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
34	Inhibiting Delta-6 Desaturase Activity Suppresses Tumor Growth in Mice. <i>PLoS ONE</i> , 2012, 7, e47567.	1.1	47
35	Hormetic Effect of Berberine Attenuates the Anticancer Activity of Chemotherapeutic Agents. <i>PLoS ONE</i> , 2015, 10, e0139298.	1.1	47
36	Omega-3 Polyunsaturated Fatty Acids Protect Neural Progenitor Cells against Oxidative Injury. <i>Marine Drugs</i> , 2014, 12, 2341-2356.	2.2	46

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37	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
38	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
39	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
40	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
41	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
42	Î±-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
43	Triphenylphosphonium-modified poly(ethylene glycol)-poly(Î¼-caprolactone) micelles for mitochondria-targeted gambogic acid delivery. <i>International Journal of Pharmaceutics</i> , 2017, 522, 21-33.	2.6	41
44	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
45	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
46	Neuroprotective effects of ginsenosides on neural progenitor cells against oxidative injury. <i>Molecular Medicine Reports</i> , 2016, 13, 3083-3091.	1.1	35
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	Protective Effects of Otophyllaside N on Pentylene-tetrazol-Induced Neuronal Injury In vitro and In vivo. <i>Frontiers in Pharmacology</i> , 2016, 7, 224.	1.6	28

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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	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
57	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
58	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
59	Endogenous Docosahexaenoic Acid (DHA) Prevents A β 21 Oligomer-Induced Neuronal Injury. <i>Molecular Neurobiology</i> , 2016, 53, 3146-3153.	1.9	25
60	A review on phytochemical and pharmacological properties of <i>Litsea coreana</i> . <i>Pharmaceutical Biology</i> , 2017, 55, 1368-1374.	1.3	25
61	Review on the extraction, characterization and application of soybean polysaccharide. <i>RSC Advances</i> , 2015, 5, 73525-73534.	1.7	24
62	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
63	Glycine tabacina 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
64	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
65	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
66	Sensitive and Selective Detection of Oxo-Form Organophosphorus Pesticides Based on CdSe/ZnS Quantum Dots. <i>Molecules</i> , 2017, 22, 1421.	1.7	20
67	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
68	Naturally occurring coumestans from plants, their biological activities and therapeutic effects on human diseases. <i>Pharmacological Research</i> , 2021, 169, 105615.	3.1	20
69	Recent advances in the biosynthesis, structure-activity relationships, formulations, pharmacology, and clinical trials of fisetin. <i>EFood</i> , 2022, 3, .	1.7	20
70	Pharmacological activities and molecular mechanisms of Pulsatilla saponins. <i>Chinese Medicine</i> , 2022, 17, .	1.6	20
71	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
72	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

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73	Low Doses of Camptothecin Induced Hormetic and Neuroprotective Effects in PC12 Cells. Dose-Response, 2015, 13, 155932581559260.	0.7	18
74	Endogenous n-3 Fatty Acids Alleviate Carbon-Tetrachloride-Induced Acute Liver Injury in Fat-1 Transgenic Mice. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	1.9	18
75	Protection against Oxygen-Glucose Deprivation/Reperfusion Injury in Cortical Neurons by Combining Omega-3 Polyunsaturated Acid with Lyciumbarbarum Polysaccharide. Nutrients, 2016, 8, 41.	1.7	18
76	Anti-melanoma activity of Forsythiae Fructus aqueous extract in mice involves regulation of glycerophospholipid metabolisms by UPLC/Q-TOF MS-based metabolomics study. Scientific Reports, 2016, 6, 39415.	1.6	18
77	Differences in Chemical Component and Anticancer Activity of Green and Ripe Forsythiae Fructus. The American Journal of Chinese Medicine, 2017, 45, 1513-1536.	1.5	18
78	Ultrasound-Assisted Extraction, Antioxidant and Anticancer Activities of the Polysaccharides from Rhynchosia minima Root. Molecules, 2015, 20, 20901-20911.	1.7	17
79	Synergistic anti-breast cancer effect of pulsatilla saponin D and camptothecin through interrupting autophagic lysosomal function and promoting p62-mediated ubiquitinated protein aggregation. Carcinogenesis, 2020, 41, 804-816.	1.3	17
80	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). Analytica Chimica Acta, 2019, 1082, 86-97.	2.6	16
81	Low-Dose Berberine Attenuates the Anti-Breast Cancer Activity of Chemotherapeutic Agents via Induction of Autophagy and Antioxidation. Dose-Response, 2020, 18, 155932582093975.	0.7	16
82	Effect of Fe (III), Zn (II), and Cr (III) complexation on the physicochemical properties and bioactivities of corn silk polysaccharide. International Journal of Biological Macromolecules, 2021, 189, 847-856.	3.6	16
83	Targeting autophagy using saponins as a therapeutic and preventive strategy against human diseases. Pharmacological Research, 2021, 166, 105428.	3.1	15
84	Pluronic F68-Linoleic Acid Nano-spheres Mediated Delivery of Gambogic Acid for Cancer Therapy. AAPS PharmSciTech, 2017, 18, 147-155.	1.5	12
85	Fast identification of anticancer constituents in Forsythiae Fructus based on metabolomics approaches. Journal of Pharmaceutical and Biomedical Analysis, 2018, 154, 312-320.	1.4	12
86	An integrated strategy to improve data acquisition and metabolite identification by time-staggered ion lists in UHPLC/Q-TOF MS-based metabolomics. Journal of Pharmaceutical and Biomedical Analysis, 2018, 157, 171-179.	1.4	11
87	Flavonoids from Rhynchosia minima root exerts anti-inflammatory activity in lipopolysaccharide-stimulated RAW 264.7 cells via MAPK/NF- κ B signaling pathway. Inflammopharmacology, 2020, 28, 289-297.	1.9	11
88	A combined network pharmacology and molecular biology approach to investigate the active ingredients and potential mechanisms of mulberry (Morus alba L.) leaf on obesity. Phytomedicine, 2021, 92, 153714.	2.3	11
89	A Simple Method for Peak Alignment Using Relative Retention Time Related to an Inherent Peak in Liquid Chromatography-Mass Spectrometry-Based Metabolomics. Journal of Chromatographic Science, 2019, 57, 9-16.	0.7	10
90	Glytabastan B, a coumestan isolated from Glycine tabacina, alleviated synovial inflammation, osteoclastogenesis and collagen-induced arthritis through inhibiting MAPK and PI3K/AKT pathways. Biochemical Pharmacology, 2022, 197, 114912.	2.0	10

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91	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
92	Anti-inflammatory effects of Glycine tabacina extract in LPS-stimulated macrophages and collagen-induced arthritis mice. <i>Journal of Functional Foods</i> , 2019, 62, 103528.	1.6	8
93	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
94	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
95	PCL- β -CD/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
96	Exploring protective effect of Glycine tabacina aqueous extract against nephrotic syndrome by network pharmacology and experimental verification. <i>Chinese Medicine</i> , 2020, 15, 79.	1.6	7
97	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
98	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
99	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
100	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
101	Implication of hormetic effect in traditional Chinese medicine. <i>Longhua Chinese Medicine</i> , 2018, 1, 6-6.	0.5	1