

Pharmacological effects of Astragaloside IV: a literature

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Traditional Chinese medicine and related active compounds: A review of their role on hepatitis B virus infection. <i>Drug Discoveries and Therapeutics</i> , 2013, 7, 212-24.	0.6	96
2	Protective Effects of Astragaloside IV against Amyloid Beta1-42 Neurotoxicity by Inhibiting the Mitochondrial Permeability Transition Pore Opening. <i>PLoS ONE</i> , 2014, 9, e98866.	1.1	60
3	Effects of Two Chinese Herbal Formulae for the Treatment of Moderate to Severe Stable Chronic Obstructive Pulmonary Disease: A Multicenter, Double-Blind, Randomized Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e103168.	1.1	22
4	HIF-1 α Signaling Activation by Post-Ischemia Treatment with Astragaloside IV Attenuates Myocardial Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e107832.	1.1	46
5	<i>Astragalus membranaceus</i> Improves Exercise Performance and Ameliorates Exercise-Induced Fatigue in Trained Mice. <i>Molecules</i> , 2014, 19, 2793-2807.	1.7	63
6	Herbal medicines for cancer cachexia: protocol for a systematic review. <i>BMJ Open</i> , 2014, 4, e005016-e005016.	0.8	10
7	Ferulic acid combined with astragaloside IV protects against vascular endothelial dysfunction in diabetic rats. <i>BioScience Trends</i> , 2014, 8, 217-226.	1.1	52
8	Anti-Fibrotic Effects of Astragaloside IV in Systemic Sclerosis. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 2105-2116.	1.1	13
9	Bioactive components on immuno-enhancement effects in the traditional Chinese medicine Shenqi Fuzheng Injection based on relevance analysis between chemical HPLC fingerprints and in vivo biological effects. <i>Journal of Ethnopharmacology</i> , 2014, 155, 405-415.	2.0	43
10	Analysis of the restorative effect of Bu-zhong-yi-qi-tang in the spleen-qi deficiency rat model using 1H-NMR-based metabonomics. <i>Journal of Ethnopharmacology</i> , 2014, 151, 912-920.	2.0	76
11	Astragaloside IV inhibits platelet-derived growth factor-BB-stimulated proliferation and migration of vascular smooth muscle cells via the inhibition of p38 MAPK signaling. <i>Experimental and Therapeutic Medicine</i> , 2014, 8, 1253-1258.	0.8	34
12	Astragaloside IV prevents damage to human mesangial cells through the inhibition of the NADPH oxidase/ROS/Akt/NF- κ B pathway under high glucose conditions. <i>International Journal of Molecular Medicine</i> , 2014, 34, 167-176.	1.8	59
13	Astragaloside IV ameliorates acute pancreatitis in rats by inhibiting the activation of nuclear factor- κ B. <i>International Journal of Molecular Medicine</i> , 2015, 35, 625-636.	1.8	18
14	Antinociceptive activity of astragaloside IV in the animal model of chronic constriction injury. <i>Behavioural Pharmacology</i> , 2015, 26, 436-446.	0.8	9
15	The Mechanism Research of Qishen Yiqi Formula by Module-Network Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-12.	0.5	3
16	Effects of Astragaloside IV on the SDF-1/CXCR4 Expression in Atherosclerosis of apoE ^{-/-} Mice Induced by Hyperlipaemia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	0.5	27
17	Cytotoxic and apoptotic effects of <i>Ebenus boissieri</i> Barbey on human lung cancer cell line A549. <i>Pharmacognosy Magazine</i> , 2015, 11, 37.	0.3	12
18	Chinese Herbal Products for Ischemic Stroke. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 1365-1379.	1.5	42

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19	Effects of <i>Astragalus membranaceus</i> -based Chinese Medicine Formulae on Residual Renal Function in Patients on Peritoneal Dialysis. <i>Peritoneal Dialysis International</i> , 2015, 35, 595-597.	1.1	7
20	Inhibition of RANKL-induced osteoclastogenesis through the suppression of the ERK signaling pathway by astragaloside IV and attenuation of titanium-particle-induced osteolysis. <i>International Journal of Molecular Medicine</i> , 2015, 36, 1335-1344.	1.8	22
21	EGFR mediates astragaloside IV-induced Nrf2 activation to protect cortical neurons against in vitro ischemia/reperfusion damages. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 391-397.	1.0	80
22	Astragaloside IV prevents lipopolysaccharide-induced injury in H9C2 cardiomyocytes. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 127-132.	0.7	23
23	Evaluation of the water soluble extractive of astragali radix with different growth patterns using ¹ H-NMR spectroscopy. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 257-263.	0.6	1
24	Cytotoxic and immunomodulatory effects of <i>Ebenus boissieri</i> Barbey on breast cancer cells. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	3
25	Simultaneous determination of six active metabolites in <i>Astragalus mongholicus</i> (Fisch.) Bge. under salt stress by ultra-pressure liquid chromatography with tandem mass spectrometry. <i>SpringerPlus</i> , 2016, 5, 927.	1.2	18
26	Astragaloside IV Enhances Cisplatin Chemosensitivity in Human Colorectal Cancer via Regulating NOTCH3. <i>Oncology Research</i> , 2016, 24, 447-453.	0.6	33
27	Icariin regulates systemic iron metabolism by increasing hepatic hepcidin expression through Stat3 and Smad1/5/8 signaling. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1379-1388.	1.8	23
28	Astragaloside IV protects cardiomyocytes from anoxia/reoxygenation injury by upregulating the expression of Hes1 protein. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 542-553.	0.7	25
29	Protective effects of astragaloside in rats with adriamycin nephropathy and underlying mechanism. <i>Chinese Journal of Natural Medicines</i> , 2016, 14, 270-277.	0.7	7
30	Astragaloside IV ameliorates necrotizing enterocolitis by attenuating oxidative stress and suppressing inflammation via the vitamin D3-upregulated protein 1/NF- κ B signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 2702-2708.	0.8	26
31	Astragaloside IV attenuates inflammatory reaction via activating immune function of regulatory T-cells inhibited by HMGB1 in mice. <i>Pharmaceutical Biology</i> , 2016, 54, 3217-3225.	1.3	27
32	Therapeutic efficacy of Traditional Chinese medicine, "Kuan-Sin-Yin", in patients undergoing chemotherapy for advanced colon cancer "A controlled trial. <i>Complementary Therapies in Medicine</i> , 2016, 29, 204-212.	1.3	19
33	Astragaloside IV ameliorates renal injury in db/db mice. <i>Scientific Reports</i> , 2016, 6, 32545.	1.6	39
34	An in vivo molecular response analysis of colorectal cancer treated with <i>Astragalus membranaceus</i> extract. <i>Oncology Reports</i> , 2016, 35, 659-668.	1.2	25
35	Regulation of drug-metabolizing enzymes and efflux transporters by <i>Astragali radix</i> decoction and its main bioactive compounds: Implication for clinical drug-drug interactions. <i>Journal of Ethnopharmacology</i> , 2016, 180, 104-113.	2.0	29
36	Astragaloside IV protects against polymicrobial sepsis through inhibiting inflammatory response and apoptosis of lymphocytes. <i>Journal of Surgical Research</i> , 2016, 200, 315-323.	0.8	30

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37	Astragaloside IV inhibits PMA-induced EPCR shedding through MAPKs and PKC pathway. Immunopharmacology and Immunotoxicology, 2017, 39, 148-156.	1.1	7
38	Cycloastragenol improves hepatic steatosis by activating farnesoid X receptor signalling. Pharmacological Research, 2017, 121, 22-32.	3.1	41
39	The Role of Plant-derived Products in Pancreatitis: Experimental and Clinical Evidence. Phytotherapy Research, 2017, 31, 591-623.	2.8	32
40	Vascular protective effects of Astragalus membranaceus and its main constituents in rats with chronic hyperhomocysteinemia. Experimental and Therapeutic Medicine, 2017, 14, 2401-2407.	0.8	14
41	Astragaloside IV attenuates the H ₂ O ₂ -induced apoptosis of neuronal cells by inhibiting β -synuclein expression via the p38 MAPK pathway. International Journal of Molecular Medicine, 2017, 40, 1772-1780.	1.8	30
42	Astragaloside IV rescues MPP ⁺ -induced mitochondrial dysfunction through upregulation of methionine sulfoxide reductase A. Experimental and Therapeutic Medicine, 2017, 14, 2650-2656.	0.8	10
43	Simultaneous Determination of Saponins in Dripping Pills Made from Astragali Radix and Panax notoginseng by UPLC-ELSD. Chinese Herbal Medicines, 2017, 9, 267-274.	1.2	3
44	Clinical Research on Traditional Chinese Medicine compounds and their preparations for Amyotrophic Lateral Sclerosis. Biomedicine and Pharmacotherapy, 2017, 96, 854-864.	2.5	24
45	Research review on the pharmacological effects of astragaloside IV. Fundamental and Clinical Pharmacology, 2017, 31, 17-36.	1.0	258
46	Deacetylation biocatalysis and elicitation by immobilized <i>Penicillium canescens</i> in <i>Astragalus membranaceus</i> hairy root cultures: towards the enhanced and sustainable production of astragaloside IV. Plant Biotechnology Journal, 2017, 15, 297-305.	4.1	25
47	Astragalosidic Acid: A New Water-Soluble Derivative of Astragaloside IV Prepared Using Remarkably Simple TEMPO-Mediated Oxidation. Molecules, 2017, 22, 1275.	1.7	12
48	Astragaloside IV protects rat retinal capillary endothelial cells against high glucose-induced oxidative injury. Drug Design, Development and Therapy, 2017, Volume 11, 3567-3577.	2.0	40
49	Astragaloside IV for Experimental Focal Cerebral Ischemia: Preclinical Evidence and Possible Mechanisms. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	63
50	Astragaloside IV prevents kidney injury caused by iatrogenic hyperinsulinemia in a streptozotocin-induced diabetic rat model. International Journal of Molecular Medicine, 2018, 41, 1078-1088.	1.8	18
51	Astragaloside IV inhibits TGF β ₁ -induced epithelial-mesenchymal transition through inhibition of the PI3K/Akt/NF κ B pathway in gastric cancer cells. Phytotherapy Research, 2018, 32, 1289-1296.	2.8	43
52	Astragaloside IV inhibits cell migration and viability of hepatocellular carcinoma cells via suppressing long noncoding RNA ATB. Biomedicine and Pharmacotherapy, 2018, 99, 134-141.	2.5	42
53	Astragaloside IV inhibits ventricular remodeling and improves fatty acid utilization in rats with chronic heart failure. Bioscience Reports, 2018, 38, .	1.1	31
54	Astragaloside IV inhibits Angiotensin II-stimulated proliferation of rat vascular smooth muscle cells via the regulation of CDK2 activity. Life Sciences, 2018, 200, 105-109.	2.0	12

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55	Astragaloside IV protects against the pathological cardiac hypertrophy in mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 1468-1478.	2.5	34
56	Astragaloside IV attenuates orbital inflammation in Graves's™ orbitopathy through suppression of autophagy. <i>Inflammation Research</i> , 2018, 67, 117-127.	1.6	16
57	Effects of Xinfeng capsule on the Fas/FasL-mediated apoptotic pathway in patients with rheumatoid arthritis. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2018, 38, 601-609.	0.4	8
58	Astragaloside IV inhibits cell proliferation in vulvar squamous cell carcinoma through the TGF- β /Smad signaling pathway. <i>Dermatologic Therapy</i> , 2019, 32, e12802.	0.8	11
59	Recent Advances in Drug Delivery System for Bioactive Glycosides from Traditional Chinese Medicine. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 1791-1824.	1.5	18
60	Astragaloside IV Protects Rat Cardiomyocytes from Hypoxia-Induced Injury by Down-Regulation of miR-23a and miR-92a. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 2240-2253.	1.1	38
61	Effect of Liuweibuqi capsules on CD4+CD25+Foxp3+ regulatory T cells, helper T cells and lung function in patients with stable chronic obstructive pulmonary disease complicated with lung Qi deficiency. <i>Journal of Thoracic Disease</i> , 2018, 10, 2700-2711.	0.6	3
62	Protective effects of astragaloside IV against hypoxic pulmonary hypertension. <i>MedChemComm</i> , 2018, 9, 1715-1721.	3.5	20
63	Astragaloside IV Inhibits Triglyceride Accumulation in Insulin-Resistant HepG2 Cells via AMPK-Induced SREBP-1c Phosphorylation. <i>Frontiers in Pharmacology</i> , 2018, 9, 345.	1.6	32
64	A Preclinical Systematic Review and Meta-Analysis of Astragaloside IV for Myocardial Ischemia/Reperfusion Injury. <i>Frontiers in Physiology</i> , 2018, 9, 795.	1.3	26
65	Protective Effects of Astragaloside IV on Delayed Cerebral Vasospasm in an Experimental Rat Model of Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2018, 118, e443-e448.	0.7	6
66	A simple and sensitive LC-MS/MS approach for simultaneous quantification of six bioactive compounds in rats following oral administration of aqueous extract and ultrafine powder of <i>Astragalus propinquus</i> : Application to a comparative pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1096, 31-38.	1.2	11
67	Natural plant products in treatment of pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2018, 8, 1-20.	0.8	22
68	The gastric mucosal protective effects of astragaloside IV in mng-induced GPL rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 291-299.	2.5	35
69	Astragaloside IV Protects Against Oxidized Low-Density Lipoprotein (ox-LDL)-Induced Endothelial Cell Injury by Reducing Oxidative Stress and Inflammation. <i>Medical Science Monitor</i> , 2019, 25, 2132-2140.	0.5	49
70	Astragaloside IV attenuates inflammatory injury and promotes odontoblastic differentiation in lipopolysaccharide-stimulated MDP-23 cells and rat pulpitis. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 951-958.	1.4	15
71	Chemical diversity and biological activities of the saponins isolated from <i>Astragalus</i> genus: focus on Astragaloside IV. <i>Phytochemistry Reviews</i> , 2019, 18, 1133-1166.	3.1	10
72	Boiling Licorice Produces Self-Assembled Protein Nanoparticles: A Novel Source of Bioactive Nanomaterials. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9354-9361.	2.4	23

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73	Astragaloside IV attenuates gestational diabetes mellitus via targeting NLRP3 inflammasome in genetic mice. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 77.	1.4	27
74	Astragaloside IV inhibits excessive mesangial cell proliferation and renal fibrosis caused by diabetic nephropathy via modulation of the TGF β ¹ /Smad/miR-192 signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 3053-3061.	0.8	23
75	The mechanisms of traditional Chinese medicine underlying the prevention and treatment of atherosclerosis. <i>Chinese Journal of Natural Medicines</i> , 2019, 17, 401-412.	0.7	25
76	Astragaloside IV Protects Primary Cerebral Cortical Neurons from Oxygen and Glucose Deprivation/Reoxygenation by Activating the PKA/CREB Pathway. <i>Neuroscience</i> , 2019, 404, 326-337.	1.1	36
77	Astragaloside IV Attenuates Myocardial Ischemia-Reperfusion Injury from Oxidative Stress by Regulating Succinate, Lysophospholipid Metabolism, and ROS Scavenging System. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-17.	1.9	44
78	Role of Chinese Herbal Medicines in Regulation of Energy Metabolism in Treating Cardiovascular Diseases. <i>Chinese Journal of Integrative Medicine</i> , 2019, 25, 307-315.	0.7	13
79	Naturally-derived electrospun wound dressings for target delivery of bio-active agents. <i>International Journal of Pharmaceutics</i> , 2019, 566, 307-328.	2.6	117
80	The Role of Astragaloside IV against Cerebral Ischemia/Reperfusion Injury: Suppression of Apoptosis via Promotion of P62-LC3-Autophagy. <i>Molecules</i> , 2019, 24, 1838.	1.7	90
81	Astragaloside IV exerts angiogenesis and cardioprotection after myocardial infarction via regulating PTEN/PI3K/Akt signaling pathway. <i>Life Sciences</i> , 2019, 227, 82-93.	2.0	100
82	A Systematic Review of Phytochemistry, Pharmacology and Pharmacokinetics on Astragali Radix: Implications for Astragali Radix as a Personalized Medicine. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1463.	1.8	80
83	Protective effects of a mixed plant extracts derived from <i>Astragalus membranaceus</i> and <i>Laminaria japonica</i> on PTU-induced hypothyroidism and liver damages. <i>Journal of Food Biochemistry</i> , 2019, 43, e12853.	1.2	6
84	Astragaloside IV Exerts Cardioprotection in Animal Models of Viral Myocarditis: A Preclinical Systematic Review and Meta-Analysis. <i>Frontiers in Pharmacology</i> , 2019, 10, 1388.	1.6	12
85	Astragaloside IV Protects Against Oxidative Stress in Calf Small Intestine Epithelial Cells via NFE2L2-Antioxidant Response Element Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6131.	1.8	16
86	Microbial transformation of the anti-aging agent cycloastragenol by <i>Mucor racemosus</i> . <i>Natural Product Research</i> , 2019, 33, 3103-3108.	1.0	2
87	Aidi Injection, a Traditional Chinese Medicine Injection, Could Be Used as an Adjuvant Drug to Improve Quality of Life of Cancer Patients Receiving Chemotherapy: A Propensity Score Matching Analysis. <i>Integrative Cancer Therapies</i> , 2019, 18, 153473541881079.	0.8	26
88	Astragali radix and its main bioactive compounds activate the Nrf2-mediated signaling pathway to induce P-glycoprotein and breast cancer resistance protein. <i>Journal of Ethnopharmacology</i> , 2019, 228, 82-91.	2.0	31
89	Astragaloside IV derived from <i>Astragalus membranaceus</i> : A research review on the pharmacological effects. <i>Advances in Pharmacology</i> , 2020, 87, 89-112.	1.2	186
90	Astragaloside IV attenuates sepsis-induced intestinal barrier dysfunction via suppressing RhoA/NLRP3 inflammasome signaling. <i>International Immunopharmacology</i> , 2020, 78, 106066.	1.7	43

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91	Exploration the active compounds of Astragali Radix in treatment of adriamycin nephropathy by network pharmacology combined with transcriptomic approach. <i>Journal of Ethnopharmacology</i> , 2020, 258, 112537.	2.0	21
92	Renal protective effects of astragaloside IV, in diabetes mellitus kidney damage animal models: A systematic review, meta-analysis. <i>Pharmacological Research</i> , 2020, 160, 105192.	3.1	21
93	Identification of Hub Genes in Protective Effect of Astragaloside IV on Aconitine-Induced Cardiac Damage in Zebrafish Based on Bioinformatics Analysis. <i>Frontiers in Pharmacology</i> , 2020, 11, 957.	1.6	8
94	Integrated metabolomics and transcriptomics study of traditional herb <i>Astragalus membranaceus</i> Bge. var. <i>mongolicus</i> (Bge.) Hsiao reveals global metabolic profile and novel phytochemical ingredients. <i>BMC Genomics</i> , 2020, 21, 697.	1.2	11
95	Pharmacological Properties of Preparations Based on <i>Astragalus</i> Extract (Review). <i>Pharmaceutical Chemistry Journal</i> , 2020, 54, 372-376.	0.3	4
96	Efficient production of the anti-aging drug Cycloastragenol: insight from two Glycosidases by enzyme mining. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9991-10004.	1.7	3
97	In Silico Prediction of Molecular Targets of Astragaloside IV for Alleviation of COVID-19 Hyperinflammation by Systems Network Pharmacology and Bioinformatic Gene Expression Analysis. <i>Frontiers in Pharmacology</i> , 2020, 11, 556984.	1.6	17
98	Astragaloside IV Derivative (LS-102) Alleviated Myocardial Ischemia Reperfusion Injury by Inhibiting Drp1Ser616 Phosphorylation-Mediated Mitochondrial Fission. <i>Frontiers in Pharmacology</i> , 2020, 11, 1083.	1.6	27
99	Astragaloside IV suppresses transforming growth factor- β 1-induced epithelial-mesenchymal transition through inhibition of Wnt/ β -catenin pathway in glioma U251 cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1345-1352.	0.6	10
100	An updated role of astragaloside IV in heart failure. <i>Biomedicine and Pharmacotherapy</i> , 2020, 126, 110012.	2.5	66
101	Astragaloside IV relieves gestational diabetes mellitus in genetic mice through reducing hepatic gluconeogenesis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 466-472.	0.7	14
102	Astragaloside IV alleviates the brain damage induced by subarachnoid hemorrhage via PI3K/Akt signaling pathway. <i>Neuroscience Letters</i> , 2020, 735, 135227.	1.0	15
103	Early astragaloside IV administration attenuates experimental autoimmune encephalomyelitis in mice by suppressing the maturation and function of dendritic cells. <i>Life Sciences</i> , 2020, 249, 117448.	2.0	23
104	Data Mining-Based Analysis of Chinese Medicinal Herb Formulae in Chronic Kidney Disease Treatment. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-14.	0.5	31
105	Cycloastragenol upregulates SIRT1 expression, attenuates apoptosis and suppresses neuroinflammation after brain ischemia. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1025-1032.	2.8	61
106	The Effect of the Geroprotectors Astragaloside IV, Cycloastragenol, and Timoval- α -Epival Peptide Complex on Telomere Length and Telomerase Activity in Human Mesenchymal Stromal Cells and Senescent Fibroblasts. <i>Cell and Tissue Biology</i> , 2020, 14, 83-90.	0.2	1
107	In Silico Studies on Triterpenoid Saponins Permeation through the Blood-Brain Barrier Combined with Postmortem Research on the Brain Tissues of Mice Affected by Astragaloside IV Administration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2534.	1.8	13
108	Natural compounds modulate the autophagy with potential implication of stroke. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1708-1720.	5.7	45

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109	Astragaloside IV inhibits protein tyrosine phosphatase 1B and improves insulin resistance in insulin-resistant HepG2 cells and triglyceride accumulation in oleic acid (OA)-treated HepG2 cells. <i>Journal of Ethnopharmacology</i> , 2021, 268, 113556.	2.0	24
110	Repurposing existing drugs for the treatment of COVID-19/SARS-CoV-2 infection: A review describing drug mechanisms of action. <i>Biochemical Pharmacology</i> , 2021, 183, 114296.	2.0	79
111	Astragaloside IV alleviates lipopolysaccharide-induced preeclampsia-like phenotypes via suppressing the inflammatory responses. <i>Kaohsiung Journal of Medical Sciences</i> , 2021, 37, 236-244.	0.8	8
112	Diagnostic product ions-based chemical characterization and antioxidative activity evaluation of solid fermentation for <i>Astragali radix</i> produced by <i>Paecilomyces cicadae</i> . <i>Arabian Journal of Chemistry</i> , 2021, 14, 102908.	2.3	2
113	Network pharmacology, molecular docking integrated surface plasmon resonance technology reveals the mechanism of Toujie Quwen Granules against coronavirus disease 2019 pneumonia. <i>Phytomedicine</i> , 2021, 85, 153401.	2.3	65
114	Aidi Injection as Adjuvant Drug Combined with Chemotherapy in Treatment of Breast Cancer: A Systematic Meta-Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	0
115	Potential effect of astragaloside IV on the lipopolysaccharide induced inflammation via the inactivation of NF- κ B signaling pathway. <i>Pharmacognosy Magazine</i> , 2021, 17, 379.	0.3	0
116	Accelerated Bone Regeneration by Astragaloside IV through Stimulating the Coupling of Osteogenesis and Angiogenesis. <i>International Journal of Biological Sciences</i> , 2021, 17, 1821-1836.	2.6	28
117	Traditional Korean medicine as second-line treatment of metastatic colorectal cancer. <i>Medicine, Case Reports and Study Protocols</i> , 2021, 2, e0042.	0.0	0
118	Astragaloside IV Ameliorates Cognitive Impairment and Neuroinflammation in an Oligomeric A β ² Induced Alzheimer's Disease Mouse Model & via Inhibition of Microglial Activation and NADPH Oxidase Expression. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1688-1696.	0.6	17
119	Additive Manufacturing of Astragaloside-Containing Polyurethane Nerve Conduits Influenced Schwann Cell Inflammation and Regeneration. <i>Processes</i> , 2021, 9, 353.	1.3	6
120	A network pharmacology approach for investigating the multi-target mechanisms of Huangqi in the treatment of colorectal cancer. <i>Translational Cancer Research</i> , 2021, 10, 681-693.	0.4	7
121	Astragaloside IV protects against podocyte apoptosis by inhibiting oxidative stress via activating PPAR γ -Klotho-FoxO1 axis in diabetic nephropathy. <i>Life Sciences</i> , 2021, 269, 119068.	2.0	43
122	Astragaloside IV ameliorates steroid-induced osteonecrosis of the femoral head by repolarizing the phenotype of pro-inflammatory macrophages. <i>International Immunopharmacology</i> , 2021, 93, 107345.	1.7	19
123	Neuroprotective Effect for Cerebral Ischemia by Natural Products: A Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 607412.	1.6	14
124	Astragaloside IV Suppresses Hepatic Proliferation in Regenerating Rat Liver after 70% Partial Hepatectomy via Down-Regulation of Cell Cycle Pathway and DNA Replication. <i>Molecules</i> , 2021, 26, 2895.	1.7	4
125	Astragaloside alleviates alcoholic fatty liver disease by suppressing oxidative stress. <i>Kaohsiung Journal of Medical Sciences</i> , 2021, 37, 718-729.	0.8	17
126	Network pharmacology-based investigation of potential targets of astragalus membranaceous-angelica sinensis compound acting on diabetic nephropathy. <i>Scientific Reports</i> , 2021, 11, 19496.	1.6	51

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127	Astragaloside IV protects cardiomyocytes against hypoxia injury via HIF-1 α and the JAK2/STAT3 pathway. <i>Annals of Translational Medicine</i> , 2021, 9, 1435-1435.	0.7	8
128	The anti-cancerous activity of adaptogenic herb <i>Astragalus membranaceus</i> . <i>Phytomedicine</i> , 2021, 91, 153698.	2.3	34
129	In vitro analysis on inhibitory effect of sodium arsenite combined with astragaloside IV on HepG2 liver cancer cells. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 5749-5764.	3.4	2
130	Astragaloside IV Improves High-Fat Diet-Induced Hepatic Steatosis in Nonalcoholic Fatty Liver Disease Rats by Regulating Inflammatory Factors Level via TLR4/NF- κ B Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 605064.	1.6	21
131	Astragaloside IV suppresses histamine-induced inflammatory factors and mucin 5 subtype AC overproduction in nasal epithelial cells via regulation of inflammation-related genes. <i>Bioengineered</i> , 2021, 12, 6045-6056.	1.4	6
132	Molecular mechanisms of astragaloside IV in cancer therapy (Review). <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	45
133	<i>Astragalus saponin IV</i> promotes osteogenic differentiation of bone marrow mesenchymal stem cells via miR-21/NGF/BMP2/Runx2 pathway. <i>Acta Histochemica</i> , 2020, 122, 151549.	0.9	13
134	Astragaloside IV suppresses development of hepatocellular carcinoma by regulating miR-150-5p/ β -catenin axis. <i>Environmental Toxicology and Pharmacology</i> , 2020, 78, 103397.	2.0	24
135	Astragaloside IV Alleviates Lipopolysaccharide-Induced Acute Kidney Injury Through Down-Regulating Cytokines, CCR5 and p-ERK, and Elevating Anti-Oxidative Ability. <i>Medical Science Monitor</i> , 2017, 23, 1413-1420.	0.5	42
136	Tonic herbs and herbal mixtures in Chinese medicine. <i>World Journal of Traditional Chinese Medicine</i> , 2016, 2, 10.	0.9	10
137	Network Pharmacology Analysis on Zhichan Powder in the Treatment of Parkinson's Disease. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020, 23, 28-40.	0.6	6
138	Astragaloside IV Supplementation Promotes A Neuroprotective Effect in Experimental Models of Neurological Disorders: A Systematic Review. <i>Current Neuropharmacology</i> , 2019, 17, 648-665.	1.4	59
139	Inhibition or Reversal of the Epithelial-Mesenchymal Transition in Gastric Cancer: Pharmacological Approaches. <i>International Journal of Molecular Sciences</i> , 2021, 22, 277.	1.8	26
140	Astragaloside IV protects retinal pigment epithelial cells from apoptosis by upregulating miR-128 expression in diabetic rats. <i>International Journal of Molecular Medicine</i> , 2020, 46, 340-350.	1.8	18
141	Astragaloside IV attenuates hypoxia-induced pulmonary vascular remodeling via the Notch signaling pathway. <i>Molecular Medicine Reports</i> , 2020, 23, .	1.1	16
142	Caspase-mediated apoptotic effects of <i>Ebenus boissieri</i> barbey extracts on human cervical cancer cell line hela. <i>Pharmacognosy Magazine</i> , 2017, 13, 254.	0.3	6
143	Cycloastragenol, a Triterpenoid Saponin, Regulates Oxidative Stress, Neurotrophic Dysfunctions, Neuroinflammation and Apoptotic Cell Death in Neurodegenerative Conditions. <i>Cells</i> , 2021, 10, 2719.	1.8	20
145	Integrated Approach to Coronary Artery Disease. , 2017, , 203-221.		1

#	ARTICLE	IF	CITATIONS
146	Protective effect of astragaloside IV on cadmium-induced spermatogenesis microenvironment damage in rats. <i>Systems Biology in Reproductive Medicine</i> , 2022, 68, 203-212.	1.0	2
147	Dietary biomolecules as promising regenerative agents for peripheral nerve injury: An emerging nutraceutical-based therapeutic approach. <i>Journal of Food Biochemistry</i> , 2021, 45, e13989.	1.2	10
148	The Anti-Inflammatory Effect of a Combination of Five Compounds From Five Chinese Herbal Medicines Used in the Treatment of COPD. <i>Frontiers in Pharmacology</i> , 2021, 12, 709702.	1.6	8
149	Neuroprotection Effect of Astragaloside IV from 2-DG-Induced Endoplasmic Reticulum Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	16
150	Huangqi (astragalus) decoction ameliorates diabetic nephropathy via IRS1-PI3K-GLUT signaling pathway. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2491-2501.	0.0	9
151	Molecular Mechanism of Astragaloside IV in Improving Endothelial Dysfunction of Cardiovascular Diseases Mediated by Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-8.	1.9	15
152	Astragaloside IV Reduces OxLDL-Induced BNP Overexpression by Regulating HDAC. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-10.	1.1	2
153	In Silico Analysis of Metabolites from Peruvian Native Plants as Potential Therapeutics against Alzheimer's Disease. <i>Molecules</i> , 2022, 27, 918.	1.7	8
154	Identifying absorbable bioactive constituents of Yupingfeng Powder acting on COVID-19 through integration of UPLC-Q/TOF-MS and network pharmacology analysis. <i>Chinese Herbal Medicines</i> , 2022, 14, 283-293.	1.2	15
155	Research progress in the treatment of slow transit constipation by traditional Chinese medicine. <i>Journal of Ethnopharmacology</i> , 2022, 290, 115075.	2.0	18
156	Promising Therapeutic Candidate for Myocardial Ischemia/Reperfusion Injury: What Are the Possible Mechanisms and Roles of Phytochemicals?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 792592.	1.1	15
157	Astragaloside IV protects against C/EBP homologous protein-mediated apoptosis in oxidized low-density lipoprotein-treated macrophages by promoting autophagy. <i>European Journal of Pharmacology</i> , 2022, 923, 174912.	1.7	5
158	Astragalus membranaceus Enhances Myotube Hypertrophy through PI3K-Mediated Akt/mTOR Signaling Phosphorylation. <i>Nutrients</i> , 2022, 14, 1670.	1.7	4
159	Astragaloside IV exhibits anti-tumor function in gastric cancer via targeting circRNA dihydrolipoamide S-succinyltransferase (circDLST)/miR-489-3p/ eukaryotic translation initiation factor 4A1 (EIF4A1) pathway. <i>Bioengineered</i> , 2022, 13, 10112-10123.	1.4	6
168	Astragaloside IV inhibits the progression of liver cancer by modulating macrophage polarization through the TLR4/NF- κ B/STAT3 signaling pathway.. <i>American Journal of Translational Research (discontinued)</i> , 2022, 14, 1551-1566.	0.0	1
169	Curcumol Targeting PAX8 Inhibits Ovarian Cancer Cell Migration and Invasion and Increases Chemotherapy Sensitivity of Niraparib. <i>Journal of Oncology</i> , 2022, 2022, 1-11.	0.6	2
170	Astragaloside IV Ameliorates Isoprenaline-Induced Cardiac Fibrosis in Mice via Modulating Gut Microbiota and Fecal Metabolites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	13
171	Research progress on the pharmacological mechanisms of chinese medicines that tonify Qi and activate blood against cerebral ischemia/reperfusion injury. <i>World Journal of Traditional Chinese Medicine</i> , 2022, 8, 225.	0.9	2

#	ARTICLE	IF	CITATIONS
172	Roles of Reactive Oxygen Species in Vascular Complications of Diabetes: Therapeutic Properties of Medicinal Plants and Food. <i>Oxygen</i> , 2022, 2, 246-268.	1.6	12
173	Astragaloside IV in Hypoxic Pulmonary Hypertension: an In Vivo and In Vitro Experiments. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 6319-6334.	1.4	3
174	Astragaloside IV Protects Sepsis-induced Acute Kidney Injury by Attenuating Mitochondrial Dysfunction and Apoptosis in Renal Tubular Epithelial Cells. <i>Current Pharmaceutical Design</i> , 2022, 28, 2825-2834.	0.9	4
175	Elucidation of the binding mechanism of astragaloside IV derivative with human serum albumin and its cardiotoxicity in zebrafish embryos. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
176	Astragalus Mongholicus: A review of its anti-fibrosis properties. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	13
177	Astragalosides Supplementation Enhances Intrinsic Muscle Repair Capacity Following Eccentric Exercise-Induced Injury. <i>Nutrients</i> , 2022, 14, 4339.	1.7	3
178	Astragaloside <sc>IV</sc> protects against oxidized low-density lipoprotein-induced injury in human umbilical vein endothelial cells via the histone deacetylase 9 (<sc>HDAC9</sc>)/<sc>NF- κ B</sc> axis. <i>Environmental Toxicology</i> , 2023, 38, 534-544.	2.1	1
179	A novel Nanocellulose-Gelatin-AS-IV external stent resists EndMT by activating autophagy to prevent restenosis of grafts. <i>Bioactive Materials</i> , 2023, 22, 466-481.	8.6	6
180	Roles and Mechanisms of Astragaloside IV in Combating Neuronal Aging. , 2022, 13, 1845.		2
182	Monomeric compounds from traditional Chinese medicine: New hopes for drug discovery in pulmonary fibrosis. <i>Biomedicine and Pharmacotherapy</i> , 2023, 159, 114226.	2.5	8
183	Research progress of Astragalus membranaceus in treating peritoneal metastatic cancer. <i>Journal of Ethnopharmacology</i> , 2023, 305, 116086.	2.0	7
184	Research progress of natural medicine Astragalus mongholicus Bunge in treatment of myocardial fibrosis. <i>Journal of Ethnopharmacology</i> , 2023, 305, 116128.	2.0	11
185	Fufang shenhua tablet, astragali radix and its active component astragaloside IV: Research progress on anti-inflammatory and immunomodulatory mechanisms in the kidney. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	3
187	Traditional Chinese medicine monomers: Targeting pulmonary artery smooth muscle cells proliferation to treat pulmonary hypertension. <i>Heliyon</i> , 2023, 9, e14916.	1.4	2
188	Astragaloside in cancer chemoprevention and therapy. <i>Chinese Medical Journal</i> , 0, Publish Ahead of Print, .	0.9	0
197	Underlying mechanisms of Astragalus membranaceus in the treatment of multiple-sclerosis: A review. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
207	Neurotrophic Natural Products. <i>Progress in the Chemistry of Organic Natural Products</i> , 2024, , 1-473.	0.8	0