

# Hong Yao

## List of Publications by Citations

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71  
papers

1,429  
citations

21  
h-index

35  
g-index

73  
ext. papers

1,680  
ext. citations

4.3  
avg, IF

4.34  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 71 | Electrochemical characterization of poly(eriochrome black T) modified glassy carbon electrode and its application to simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 6165-6171 | 6.7 | 204       |
| 70 | Simultaneous determination of dopamine, ascorbic acid and uric acid at poly (Evans Blue) modified glassy carbon electrode. <i>Bioelectrochemistry</i> , <b>2008</b> , 73, 11-7   | 5.6 | 169       |
| 69 | Selective determination of epinephrine in the presence of ascorbic acid and uric acid by electrocatalytic oxidation at poly(eriochrome black T) film-modified glassy carbon electrode. <i>Analytical Sciences</i> , <b>2007</b> , 23, 677-82       | 1.7 | 49        |
| 68 | Preparative isolation of six anti-tumour biflavonoids from <i>Selaginella doederleinii</i> Hieron by high-speed counter-current chromatography. <i>Phytochemical Analysis</i> , <b>2014</b> , 25, 127-33   | 3.4 | 45        |
| 67 | Flow-injection chemiluminescence determination of catecholamines based on their enhancing effects on the luminol-potassium periodate system. <i>Luminescence</i> , <b>2006</b> , 21, 112-7   | 2.5 | 40        |
| 66 | Analysis of the Total Biflavonoids Extract from <i>Selaginella doederleinii</i> by HPLC-QTOF-MS and Its In Vitro and In Vivo Anticancer Effects. <i>Molecules</i> , <b>2017</b> , 22,  | 4.8 | 39        |
| 65 | Selective oxidation of serotonin and norepinephrine over eriochrome cyanine R film modified glassy carbon electrode. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 4607-4612  | 6.7 | 39        |
| 64 | Electrochemical biosensor based on nanogold-modified poly-eriochrome black T film for BCR/ABL fusion gene assay by using hairpin LNA probe. <i>Talanta</i> , <b>2010</b> , 80, 2113-9  | 6.2 | 38        |
| 63 | Untargeted metabolic profiling reveals potential biomarkers in myocardial infarction and its application. <i>Molecular BioSystems</i> , <b>2010</b> , 6, 1061-70   |     | 38        |
| 62 | Potassium permanganate-glyoxal chemiluminescence system for flow injection analysis of cephalosporin antibiotics: cefalexin, cefadroxil, and cefazolin sodium in pharmaceutical preparations. <i>Talanta</i> , <b>2004</b> , 64, 156-9             | 6.2 | 38        |
| 61 | Screening and quantitative analysis of antioxidants in the fruits of <i>Livistona chinensis</i> R. Br using HPLC-DAD-ESI/MS coupled with pre-column DPPH assay. <i>Food Chemistry</i> , <b>2012</b> , 135, 2802-7                                  | 8.5 | 37        |
| 60 | Electrochemical oxidation of luteolin at a glassy carbon electrode and its application in pharmaceutical analysis. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2008</b> , 56, 745-8   | 1.9 | 37        |
| 59 | Metabolite profiling and pharmacokinetics of herbal compounds following oral administration of a cardiovascular multi-herb medicine (Qishen yiqi pills) in rats. <i>Current Drug Metabolism</i> , <b>2012</b> , 13, 510-23                         | 3.5 | 34        |
| 58 | Ethyl acetate extract from <i>Selaginella doederleinii</i> Hieron inhibits the growth of human lung cancer cells A549 via caspase-dependent apoptosis pathway. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 190, 261-71                     | 5   | 33        |
| 57 | Delicaflavone induces autophagic cell death in lung cancer via Akt/mTOR/p70S6K signaling pathway. <i>Journal of Molecular Medicine</i> , <b>2017</b> , 95, 311-322   | 5.5 | 32        |
| 56 | Delicaflavone induces ROS-mediated apoptosis and inhibits PI3K/AKT/mTOR and Ras/MEK/Erk signaling pathways in colorectal cancer cells. <i>Biochemical Pharmacology</i> , <b>2020</b> , 171, 113680   | 6   | 31        |
| 55 | Chemical fingerprinting and quantitative analysis of a <i>Panax notoginseng</i> preparation using HPLC-UV and HPLC-MS. <i>Chinese Medicine</i> , <b>2011</b> , 6, 9  | 4.7 | 29        |

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| 54 | A high throughput chemiluminescence method for determination of chemical oxygen demand in waters. <i>Analytica Chimica Acta</i> , <b>2009</b> , 633, 76-80  | 6.6 | 28 |
| 53 | Chromatographic fingerprint and quantitative analysis of seven bioactive compounds of <i>Scutellaria barbata</i> . <i>Planta Medica</i> , <b>2011</b> , 77, 388-93  | 3.1 | 25 |
| 52 | Determination of ampicillin and amoxycillin by flow injection chemiluminescence method based on their enhancing effects on the luminol-periodate reaction. <i>Luminescence</i> , <b>2003</b> , 18, 313-7  | 2.5 | 24 |
| 51 | Protective effect of scutellarin on myocardial infarction induced by isoprenaline in rats. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2018</b> , 21, 267-276   | 1.8 | 23 |
| 50 | Improved solubility, dissolution rate, and oral bioavailability of main biflavonoids from extract by amorphous solid dispersion. <i>Drug Delivery</i> , <b>2020</b> , 27, 309-322   | 7   | 21 |
| 49 | Delicaflavone induces apoptosis via mitochondrial pathway accompanying G2/M cycle arrest and inhibition of MAPK signaling cascades in cervical cancer HeLa cells. <i>Phytomedicine</i> , <b>2019</b> , 62, 152973   | 6.5 | 20 |
| 48 | A comprehensive review of recent studies on pharmacokinetics of traditional Chinese medicines (2014-2017) and perspectives. <i>Drug Metabolism Reviews</i> , <b>2018</b> , 50, 161-192  | 7   | 20 |
| 47 | Promotion proliferation effect of a polysaccharide from <i>Aloe barbadensis</i> Miller on human fibroblasts in vitro. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 152-6   | 7.9 | 20 |
| 46 | Simultaneous quantification of five biflavonoids in rat plasma by LC-ESI-MS/MS and its application to a comparatively pharmacokinetic study of <i>Selaginella doederleinii</i> Hieron extract in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 149, 80-88        | 3.5 | 17 |
| 45 | Antioxidative and Cardioprotective Effects of Bee Pollen Extract on Isoprenaline-Induced Myocardial Infarction in Rats. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8 | 16 |
| 44 | Characterization of poly(5-hydroxytryptamine)-modified glassy carbon electrode and applications to sensing of norepinephrine and uric acid in preparations and human urines. <i>Electrochimica Acta</i> , <b>2013</b> , 92, 341-348   | 6.7 | 16 |
| 43 | Proliposomes for oral delivery of total biflavonoids extract from : formulation development, optimization, and in vitro-in vivo characterization. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 6691-6706  | 7.3 | 14 |
| 42 | Determination of Seven Biflavones of <i>Selaginella Doederleinii</i> by High Performance Liquid Chromatography. <i>Analytical Letters</i> , <b>2013</b> , 46, 2835-2845   | 2.2 | 14 |
| 41 | Flow Injection Chemiluminescence Determination of Cephalosporin Antibiotics by Their Enhancing Effects on Luminol-Potassium Periodate System. <i>Analytical Letters</i> , <b>2003</b> , 36, 2975-2983   | 2.2 | 13 |
| 40 | Flow injection chemiluminescence analysis of some penicillins by their sensitizing effect on the potassium permanganate-glyoxal reaction. <i>Analytical Sciences</i> , <b>2005</b> , 21, 457-60   | 1.7 | 13 |
| 39 | Determination of Catecholamines by Flow Injection Chemiluminescence Method Based on Their Restraining Effects on the Luminol-Potassium Chlorate System. <i>Analytical Letters</i> , <b>2004</b> , 37, 2445-2458   | 2.2 | 12 |
| 38 | Optimization of dispersive liquid-phase microextraction based on solidified floating organic drop combined with high-performance liquid chromatography for the analysis of glucocorticoid residues in food. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 138, 363-372 | 3.5 | 11 |
| 37 | High throughput chemiluminescence platform for evaluating antioxidative activity of total flavonoid glycosides from plant extracts. <i>Food Chemistry</i> , <b>2009</b> , 115, 380-386  | 8.5 | 11 |

- 36 On-Line Screening and Identification of Radical Scavenging Compounds Extracted from Flos Lonicerae by LC-DAD-TOF-MS. *Chromatographia*, **2008**, 68, 327-332 2.1 11
- 35 A strategy for integrated pharmacokinetic study of cardiovascular herbal medicines based on chemiluminescence and HPLC-MS/MS assays: a case using Danshen injection. *RSC Advances*, **2017**, 7, 13570-13583 3.7 10
- 34 Anticancer effect of petroleum ether extract from *Bidens pilosa* L and its constituent analysis by GC-MS. *Journal of Ethnopharmacology*, **2018**, 217, 126-133 5 10
- 33 Magnetic dispersive solid-phase micro-extraction combined with high-performance liquid chromatography for determining nucleotides in *Anoectochilus roxburghii* (Wall.) Lindl. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 174, 432-440 3.5 9
- 32 Metabolism and plasma pharmacokinetics of isoorientin, a natural active ingredient, in Sprague-Dawley male rats after oral and intravenous administration. *Xenobiotica*, **2015**, 45, 999-1008 2 9
- 31 Honey reduces blood alcohol concentration but not affects the level of serum MDA and GSH-Px activity in intoxicated male mice models. *BMC Complementary and Alternative Medicine*, **2015**, 15, 225 4.7 9
- 30 Pharmacokinetics, Tissue Distribution and Protein Binding Studies of Chrysocauloflavone I in Rats. *Planta Medica*, **2016**, 82, 217-23 3.1 9
- 29 Electrocatalytic Response and Determination of Noradrenaline in the Presence of L-Ascorbic and Uric Acids with Poly(Eriochrome Black T)-Modified Electrode. *Collection of Czechoslovak Chemical Communications*, **2007**, 72, 1177-1188 9
- 28 Identification of Pharmacokinetic Markers for Guanxin Danshen Drop Pills in Rats by Combination of Pharmacokinetics, Systems Pharmacology, and Pharmacodynamic Assays. *Frontiers in Pharmacology*, **2018**, 9, 1493 5.6 9
- 27 Purification of polysaccharide from artificially cultivated *Anoectochilus roxburghii* (wall.) Lindl. by high-speed counter current chromatography and its antitumor activity. *Journal of Separation Science*, **2017**, 40, 4338-4346 3.4 8
- 26 An Integrated Pharmacokinetic Study of an Extract Preparation by Combination of Virtual Screening, Systems Pharmacology, and Multi-Component Pharmacokinetics in Rats. *Frontiers in Pharmacology*, **2020**, 11, 1295 5.6 8
- 25 Non-covalent modification of glassy carbon electrode with isoorientin and application to alpha-fetoprotein detection by fabricating an immunosensor. *Sensors and Actuators B: Chemical*, **2020**, 305, 127494 8.5 7
- 24 Electrocatalytic oxidation and determination of norepinephrine in the presence of ascorbic and uric acids at a poly (Evans Blue)-modified glassy carbon electrode. *Journal of Analytical Chemistry*, **2009**, 64, 189-194 1.1 6
- 23 Simultaneous Determination of Five Phenolic Acids and Four Flavonoid Glycosides in Rat Plasma Using HPLC-MS/MS and Its Application to a Pharmacokinetic Study after a Single Intravenous Administration of Kudiezi Injection. *Molecules*, **2018**, 24, 4.8 6
- 22 Polyvinyl butyral/graphene oxide nanocomposite modified electrode for the integrate determination of terminal metabolites of catecholamines in human urine. *Journal of Electroanalytical Chemistry*, **2019**, 848, 113267 4.1 5
- 21 Electrochemical Oxidation and Determination of Norepinephrine in the Presence of Ascorbic Acid and Uric Acid at a Poly(Calconcarboxylic Acid)-Modified Electrode. *Annali Di Chimica*, **2007**, 97, 1217-1226 5
- 20 Simultaneous Determination of Eight Phenolic Acids, Five Saponins and Four Tanshinones for Quality Control of Compound Preparations Containing Danshen-Sanqi Herb-pair by HPLC-DAD. *Pharmacognosy Magazine*, **2017**, 13, 64-75 0.8 5
- 19 Ethyl Acetate Extract of Hieron Induces Cell Autophagic Death and Apoptosis in Colorectal Cancer PI3K-Akt-mTOR and AMPK Signaling Pathways. *Frontiers in Pharmacology*, **2020**, 11, 565090 5.6 5

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| 18 | Potential mechanism of action of extract injection against cardiovascular diseases revealed by combination of HPLC-Q-TOF-MS, virtual screening and systems pharmacology approach.. <i>RSC Advances</i> , <b>2020</b> , 10, 38497-38504                        | 3.7 | 5 |
| 17 | Protective effects of five compounds from R. Brown leaves against hypoxia/reoxygenation, HO, or adriamycin-induced injury in H9c2 cells. <i>Drug Design, Development and Therapy</i> , <b>2019</b> , 13, 1555-1566  | 4.4 | 4 |
| 16 | An integrated pharmacokinetic study of Dengzhanxixin injection in rats by combination of multicomponent pharmacokinetics and anti-myocardial ischemic assay.. <i>RSC Advances</i> , <b>2019</b> , 9, 25309-25317  | 3.7 | 4 |
| 15 | Systems Pharmacology Dissection of Mechanisms of Dengzhan Xixin Injection against Cardiovascular Diseases. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2020</b> , 68, 837-847  | 1.9 | 4 |
| 14 | Qualitative and Quantitative Analysis of the Major Ingredients of a Herbal Preparation, Ciwujia Injection by Combination of HPLC-Q-TOF-MS, HPLC-TQ-MS/MS and UPLC-PDA. <i>Current Pharmaceutical Analysis</i> , <b>2019</b> , 15, 388-398                     | 0.6 | 4 |
| 13 | DPPH <sup>•</sup> luminol chemiluminescence system and its application in the determination of scutellarin in pharmaceutical injections and rat plasma with flow injection analysis. <i>Luminescence</i> , <b>2017</b> , 32, 588-595                          | 2.5 | 3 |
| 12 | Deciphering the potential anti-COVID-19 active ingredients in (Burm. F.) Nees by combination of network pharmacology, molecular docking, and molecular dynamics.. <i>RSC Advances</i> , <b>2021</b> , 11, 36511-36517   | 3.7 | 3 |
| 11 | Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptor-mutated non-small-cell lung cancer: A narrative review. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 1388-1406                               | 8.6 | 3 |
| 10 | Recent Research Progress (2015-2021) and Perspectives on the Pharmacological Effects and Mechanisms of Tanshinone IIA. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 778847  | 5.6 | 2 |
| 9  | Pharmacokinetics, Tissue Distribution, and Human Serum Albumin Binding Properties of Delicaflavone, a Novel Anti-Tumor Candidate. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 761884   | 5.6 | 2 |
| 8  | Three-phase hollow fiber liquid-phase microextraction combined with HPLC for determination of three trace acidic plant growth regulators in <i>Anoectochilus roxburghii</i> (Wall.) Lindl. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 2773-2783 | 3.4 | 2 |
| 7  | Schisandra chinensis bee pollen <sup>®</sup> chemical profiles and protective effect against HO-induced apoptosis in H9c2 cardiomyocytes. <i>BMC Complementary Medicine and Therapies</i> , <b>2020</b> , 20, 274   | 2.9 | 1 |
| 6  | Recent progress (2015-2020) in the investigation of the pharmacological effects and mechanisms of ginsenoside Rb, a main active ingredient in Meyer.. <i>Journal of Ginseng Research</i> , <b>2022</b> , 46, 39-53  | 5.8 | 1 |
| 5  | Synthesis, biological evaluation, pharmacokinetic studies and molecular docking of 4-O-acetyl-delicaflavone as antitumor agents.. <i>Bioorganic Chemistry</i> , <b>2022</b> , 120, 105638   | 5.1 | 0 |
| 4  | Simultaneous Determination of Five Iridoid Glycosides and Three Flavonoid Glycosides in <i>Hedyotis Diffusa</i> Wild by UPLC-UV with Ultrasound-Assisted Extraction. <i>Current Pharmaceutical Analysis</i> , <b>2019</b> , 15, 808-818                       | 0.6 | 0 |
| 3  | Isoorientin attenuates doxorubicin-induced cardiac injury via the activation of MAPK, Akt, and Caspase-dependent signaling pathways.. <i>Phytomedicine</i> , <b>2022</b> , 101, 154105  | 6.5 | 0 |
| 2  | A comprehensive system review of pharmacological effects and relative mechanisms of Ginsenoside Re: Recent advances and future perspectives. <i>Phytomedicine</i> , <b>2022</b> , 154119  | 6.5 | 0 |
| 1  | Tissue Distribution, Excretion, and Interaction With Human Serum Albumin of Total Bioflavonoid Extract From .. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 849110  | 5.6 | 0 |

