

REASONS FOR NOMINATION

(min. 120 words, max 400 words)

List reason(s) why your candidate merits election to the Europasche Akademie der Naturwissenschaften (European Academy of Natural Sciences). Explanations such as "The candidate is outstanding in his field" are not substantial. Evidence and examples should be given why the candidate is outstanding in his/her field. The first reason you give has to be a statement that can be used as citation describing the candidate's excellence. For non-European candidates, provide evidence of sustained collaboration with European institutions and European centres of scholarship.

She has created the world's first key technology platform for safety research of traditional Chinese medicines, and made pioneering contributions to the development, industrialization and international competition of new traditional Chinese medicines (TCM).

The safety of TCM is a scientific and technological bottleneck for the modernization, industrialization and internationalization of TCM. According to the strategic needs of the development of TCM and international competition in China, she has created a new technology system for safety research of TCMs from early toxicity prediction, toxic substance analysis to toxicity mechanism exploration in view of key technical problems such as the diversity of TCM applications, the comprehensiveness of toxicological effects, and the complexity of toxicity mechanisms, and broke through key technologies such as early prediction of cross-tissue and cross-platform toxicological genomes, localization and enrichment of trace toxic substances, and rapid screening of nuclear receptor-drug metabolizing enzyme interactions. This system systematically reveals the material basis, metabolic characteristics, contraindications and toxicity mechanism of toxicity of TCMs in seven categories of common adverse reactions (Engineering, 2019), and discovers the molecular biological basis of licorice by activating PXR receptors to accelerate the metabolism of toxic components of TCMs, thereby "harmonizing various drugs" (CBI, 2012), and reveals the metabolic process and cardiotoxicity mechanism of aconitine in vivo (TL, 2020). This system for the first time revealed the biological nature of "anti" and "non-anti" of opposite drugs such as "various ginsengs, wildginger and peony counters *Veratrum nigrum* L." from the perspective of toxic components and drug metabolism enzymes (EJP, 2008). This study is the earliest and most extensive systematic and systematic research result on the enzymatic mechanism of contraindications to the compatibility of TCMs in China, and opens up a new field of research on the contraindications of the compatibility of TCMs. Among them, the research paper on aconitine (JCB, 2006) was evaluated by international peers as "one of the most valuable articles since 1963" and was invited to review its new mechanism in the authoritative pharmaceutical journal *Med Res Rev*. The key technology platform created by her has been widely used by national drug R&D institutions and pharmaceutical enterprises, improving the efficiency of R&D and secondary development of new Chinese medicines, promoting the overall scientific and technological progress of China's new Chinese medicine creation industry, and enhancing international competitiveness. Through the above research, she won the first prize of National Science and Technology Progress Award as the first completer.

ACHIEVEMENTS

(max. 300 words)

List important functions in academic or international bodies or in funding agencies, journals, conferences. List (most) important Prizes, Awards, and election into national Academies, but do not list irrelevant memberships in association, organisation, committees etc. These should be national and international prizes, or other honours, e.g. medals recognising sustained academia distinction; election to national Academies. Fellowships in scientific organisations and international associations etc. are not significant recognition.

Researcher Gao Yue, academician of the International Eurasian Academy of Sciences, has engaged in TCM pharmacology research for 35 years, She has led 23 major projects of the National Natural Science Foundation of China, the National Key R&D Program and the National Major New Drug Creation Special Needs New Drug Confidentiality Project. Her series of innovative research has been published as a corresponding author in Nature Communication, Signal Transduction and Targeted Therapy, Chemical Engineering Journal and other journals for a total of 117 articles (IF475.79), which has been cited 1928 times by SCI. She has obtained 1 certificate of Class 1.1 and Class 1.2 new drug certificates for innovative Chinese medicine, 3 production approvals, and 2 clinical approvals for Class 1.1 chemical drugs. She won 1 first prize and 1 second prize of National Science and Technology Progress Award as the first completer, and won the National Outstanding Contribution Award of TCM, the first batch of National Innovation Competition Certificates and Wu Jieping Pharmaceutical Innovation Award, National Outstanding Scientific and Technological Worker, Wuzhou Women's Science and Technology Award, the 7th Tang's Chinese Medicine Development Award (the only winner of the year), the chief scientist of the "Million" Talent Project for Chinese Medicine Inheritance and Innovation (Qihuang Project), and the Special Contribution Award for the Academic Development of Chinese Medicine of the Chinese Association of Chinese Medicine. She has trained 121 master's and doctoral students.

PUBLICATIONS

(max. 10 works)

List the candidate's major and most recent publications and provide evidence of (scientific) impact where available or appropriate.

1. Lei Zhou, Xinguo Zhu, Pan Shen, et.al. Constructing multilayered WB2/Bi/poly(ethylene-co-1-octene) composites with excellent nuclear radiation shielding efficiency and radiation damage prevention[J].*Chemical Engineering Journal*.2023, 464: 142625 (IF=16.744)
2. Ningning Wang, Entao Li, Huifang Deng, et.al. Inosine: A broad-spectrum anti-inflammatory against SARS-CoV-2 infection-induced acute lung injury via suppressing TBK1 phosphorylation[J].*Journal of Pharmaceutical Analysis*.2023,13(1):11-23. (IF=14.026)
3. Gaofu Li, Lei Zhou, Huifang Deng, et.al. Targeting OPA1-Mediated Mitochondrial Fusion Contributed to Celastrol's Anti-Tumor Angiogenesis Effect[J].*Pharmaceutics*.2023,15(1):48. (IF=6.525)
4. Lei Zhang, Li Jiang, Liang Yu, et.al. Inhibition of UBA6 by inosine augments tumour immunogenicity and responsest[J].*Nature Communication*.2022,13(1):5413 (IF=17.694)
5. Jie Liao, Jingyang Qian, Yin Fang, et.al. De novo analysis of bulk RNA-seq data at spatially resolved single-cell resolution[J].*Nature Communication*.2022,13(1):5413 (IF=17.694)
6. Xianxie Zhang, Hebing Chen, Xin Huang, et.al. Single-cell transcriptomics profiling the compatibility mechanism of As₂O₃-indigo naturalis formula based on bone marrow stroma cells[J].*Biomedicine & Pharmacotherapy*.2022,113182 (IF=7.419)
7. Ningning Wang, Huanhua Xu, Wei Zhou, et.al. Aconitine attenuates mitochondrial dysfunction of cardiomyocytes via promoting deacetylation of cyclophilin-D mediated by sirtuin-3[J].*Journal of Ethnopharmacology*.2022,270.113765 (IF=5.195)
8. Wei Zhou, Hong Liu, Lizhen Qiu, et.al. Cardiac efficacy and toxicity of aconitine: A new frontier for the ancient poison[J].*Medicinal Research Reviews*.2021,41(3):1798-1811.(IF=12.388)
9. Wei Zhou, Yisi Liu, Dongdong Tian, et.al. Potential benefits of precise corticosteroids therapy for severe 2019-nCoV pneumonia[J].*Signal Transduction and Targeted Therapy*.2020,5:18. (IF=18.187)
10. Yue Gao, Aihua Liang, Xiaohui Fan, et.al. Safety Research in Traditional Chinese Medicine: Methods, Applications, and Outlook[J].*Engineering*.2019,5:76-82. (IF=6.495)

BIOGRAPHY WITH PHOTO:

Yue Gao, female, Hans, born in December 1963 in Yixing (Jiangsu), graduated from Tianjin College of Traditional Chinese Medicine majoring in internal medicine, graduate degree, bachelor of science, doctoral degree in biochemistry and molecular biology. She is the chairman of the Chinese Medicine Toxicology and Safety Research Branch of the Chinese Association of Chinese Medicine, and the chairman of the Clinical Pharmacology and Toxicology Professional Committee of the Chinese Society of Integrative Medicine.

She has presided over a number of projects such as the National Natural Science Foundation of China, the national "973" project, In view of the technical bottleneck of TCM safety research, she took the lead in creating an advanced supporting key technology platform for TCM safety research, forming a new technical system for TCM safety evaluation, and successfully used in the confirmation of toxic components of TCM, analysis of toxicity mechanism, classical theoretical evidence, and innovative drug research and development. She systematically revealed the material basis, metabolic characteristics, contraindications and toxicity mechanism of toxicity of Chinese medicines in seven categories of common adverse reactions. She empirically proved the classical theory of contraindications in the formulation of Chinese medicines, and promoted the innovative development of the discipline of molecular toxicology of traditional Chinese medicines. She created a new method based on the combination of "formula-evidence" of traditional Chinese medicine in the study of systems biology, and opened up a new field of modern pharmacology research on traditional Chinese medicine compounds.

In 2013, her achievements in "Research and Application of Key Technologies for the Safety of Traditional Chinese Medicine" won the first prize of the National Science and Technology Progress Award. At present, she has won the first prize of the National Science and Technology Progress Award, and the second prize of the National Science and Technology Progress Award. She has edited and published 2 monographs, obtained 10 Chinese invention patents, and published more than 232 papers, including 83 SCI papers. Her papers have a total citation of 4650 times. She has successively won the "National Outstanding Contribution Award of Traditional Chinese Medicine", academician of the International Eurasian Academy of Sciences, the first batch of winners of the National Innovation Competition Award, Wu Jieping Pharmaceutical Innovation Award, National Outstanding Scientific and Technological Worker, Wuzhou Women's Science and Technology Award, and the Special Contribution Award for the Academic Development of Chinese Medicine of the Chinese Association of Chinese Medicine.

PROJECT MANAGEMENT, GRANTS OR FUNDING RECEIVED:

No.	PROJECT No.	TITLE	ISSUED DEPARTMENT	APPROVED FUNDS (MILLION YUAN)	YEAR	STATUS
1	307330112	Systematic Study on the Mechanism of Siwu Decoction	National Natural Science Foundation of China	1.40	2008	Finished
2	2008BAI51B02	Research on the efficacy correlation evaluation technology among the effective components of Siwu Decoction and its derivatives	Ministry of Science and Technology of the People's Republic of China	1.305	2011	Finished
3	2012CB518402	Study on the Mechanism of Combination of Components to Reduce Toxicity and Increase Efficiency	Ministry of Science and Technology of the People's Republic of China	2.46	2012	Finished

4	81130067	Modern basic research on traditional Chinese medicine formulae prescription Siwu Decoction based on holistic view	National Natural Science Foundation of China	2.8	2012	Finished
5	2014ZX09304307-001-003	Establishment and application of traditional Chinese medicine safety evaluation standard system based on drug metabolizing enzymes	Ministry of Science and Technology of the People's Republic of China	0.9288	2014	Finished
6	2015ZX09501004-003-003	Research on safety evaluation technology of traditional Chinese medicine compound based on drug interaction	Ministry of Science and Technology of the People's Republic of China	4.8368	2015	Finished
7	201507004	Studies on the processing technology and compatibility to reduce toxicity of commonly used traditional Chinese medicines that have curative effects related to clinical diseases and syndromes	National Administration of Traditional Chinese Medicine	5.88	2015	Finished

8	201507004	Study on the compatibility to reduce toxicity of common clinical traditional Chinese medicines cinnabar, psoralen and cassia	Ministry of Science and Technology of the People's Republic of China	5.88	2015	Finished
9	81630102	Toxicity-efficacy integration analysis of Shenfu formula based on drug interaction	National Natural Science Foundation of China	2.75	2017	Finished
10	2019YFC1604900	Research on key technologies for safety assessment of substances that are traditionally both food and medicinal materials	Ministry of Science and Technology of the People's Republic of China	16.77	2019	Finished
11	82192910	Research on reducing toxicity of commonly used 'toxic' Chinese medicine in clinical practice based on compatibility	National Natural Science Foundation of China	15.00	2022	In research

HONORS AND AWARDS:**HONORS:**

HONOR	ISSUED DEPARTMENT	YEAR
Chief Scientist of 'Qihuang' Project	National Administration of Traditional Chinese Medicine	2021
National Outstanding Contribution Award for Traditional Chinese Medicine	1.Ministry of Human Resources and Social Security of the People's Republic of China 2.National Health Commission of the People's Republic of China 3.National Administration of Traditional Chinese Medicine	2019
China Academy of Chinese Medical Sciences Tang Prize for Traditional Chinese Medicine Development	China Association of Chinese Medicine	2018
CMWA Wuzhou Women Science and Technology Award	China Women's Physician Association	2017
First National Innovation Competition Award	1.Ministry of Human Resources and Social Security of the People's Republic of China 2.China Association for Science and Technology 3.Ministry of Science and Technology of the People's Republic of China 4.State-owned Assets Supervision and Administration Commission of the State Council	2017
Academician of International Eurasian Academy of Sciences	China Science Center of International Eurasian Academy of Sciences	2017
National Outstanding Scientific and Technological Worker	China Association for Science and Technology	2014
Wu Jieping Medical Innovation Award	Wu Jieping Medical Foundation	2014

AWARDS:

No.	TITLE	YEAR	AWARD	LEVEL	ISSUED DEPARTMENT	RANK
1	Research and application of key technologies for the safety of traditional Chinese medicine	2013	National Science and Technology Progress Award	First Prize	State Council of the People's Republic of China	1st
2	Research on the basis and application of blood-supplementing prescriptions for blood deficiency syndrome	2007	National Science and Technology Progress Award	Second Prize	State Council of the People's Republic of China	1st
3	Research methods and applications of toxicity of traditional Chinese medicine	2012	Chinese Association of Traditional Chinese Medicine Science and Technology Award	First Prize	China Association of Chinese Medicine	1st
4	Research on the intervention mechanism of blood-supplementing traditional Chinese medicine on blood deficiency syndrome	2006	Chinese Association of Traditional Chinese Medicine Science and Technology Award	First Prize	China Association of Chinese Medicine	1st
5	Molecular basis of blood deficiency syndrome caused by radiotherapy and chemotherapy and related blood-	2003	Beijing Science and Technology Award	Second Prize	People's Government of Beijing Municipal	1st

	supplementing drugs research					
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FULL PUBLICATIONS LIST:

Title	Journal	Year	Impact Factor
Constructing multilayered WB2/Bi/poly(ethylene-co-1-octene) composites with excellent nuclear radiation shielding efficiency and radiation damage prevention	CHEMICAL ENGINEERING JOURNAL	2023	16.744
Inosine: A broad-spectrum anti-inflammatory against SARS-CoV-2 infection-induced acute lung injury via suppressing TBK1 phosphorylation	JOURNAL OF PHARMACEUTICAL ANALYSIS	2023	14.026
Targeting OPA1-Mediated Mitochondrial Fusion Contributed to Celastrol's Anti-Tumor Angiogenesis Effect	PHARMACEUTICS	2023	6.525
The mechanism of Houltuynia cordata embryo toxicity was explored in combination with experimental model and network pharmacology	Toxins	2023	5.075
A Scd1-mediated metabolic alteration participates in liver responses to low-dose bavachin	Journal of pharmaceutical analysis	2023	14.026

Time-course effects and mechanisms of hypobaric hypoxia on nervous system in mice	Neuroscience letters	2023	3.197
De novo analysis of bulk RNA-seq data at spatially resolved single-cell resolution	NATURE COMMUNICATIONS	2022	17.694
Inhibition of UBA6 by inosine augments tumour immunogenicity and responses	NATURE COMMUNICATIONS	2022	17.694
Single-cell transcriptomics profiling the compatibility mechanism of As2O3-indigo naturalis formula based on bone marrow stroma cells	BIOMEDICINE & PHARMACOTHERAPY	2022	7.419
SLC7A11/GPX4 Inactivation-Mediated Ferroptosis Contributes to the Pathogenesis of Triptolide-Induced Cardiotoxicity	OXIDATIVE MEDICINE AND CELLULAR LONGEVITY	2022	7.31
Ginsenoside Rb1 Ameliorated Bavachin-Induced Renal Fibrosis via Suppressing Bip/eIF2 alpha/CHOP Signaling-Mediated EMT	FRONTIERS IN PHARMACOLOGY	2022	5.988
Pinelliae rhizoma alleviated acute lung injury induced by lipopolysaccharide via suppressing endoplasmic	FRONTIERS IN PHARMACOLOGY	2022	5.988

reticulum stress-mediated NLRP3 inflammasome			
Metabolic Behaviors of Aconitum Alkaloids in Different Concentrations of Aconiti Lateralis Radix Praeparata and Effects of Aconitine in Healthy Human and Long QT Syndrome Cardiomyocytes	MOLECULES	2022	4.927
Quantification of Acipimox in Plasma and Tissues by LC-MS/MS: Application to Pharmacokinetic Comparison between Normoxia and Hypoxia	MOLECULES	2022	4.927
A systematic review on the safety of Psoraleae Fructus: potential risks, toxic characteristics, underlying mechanisms and detoxification methods	CHINESE JOURNAL OF NATURAL MEDICINES	2022	3.887
Ferulic acid produces neuroprotection against radiation-induced neuroinflammation by affecting NLRP3 inflammasome activation	INTERNATIONAL JOURNAL OF RADIATION BIOLOGY	2022	3.352
Double Asymmetric Hydrogenation of (E)-2-Substituted-4-oxo-2-alkenoic	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	2022	3.261

Acids: An Efficient Synthesis of Chiral alpha, gamma-Disubstituted gamma-Butyrolactones			
Emodin-induced hepatotoxicity is enhanced by 3-ethylcholanthrene through activating aryl hydrocarbon receptor and inducing CYP1A1 in vitro and in vivo	Chemico-biological Interactions	2022	4.529
Quantification of Acipimoxin in Plasma and Tissues by LC-MS/MS: Application to Pharmacokinetic Comparison between Normoxia and Hypoxia	Molecules	2022	5.035
Cardiac efficacy and toxicity of aconitine: A new frontier for the ancient poison	MEDICINAL RESEARCH REVIEWS	2021	12.388
Emodin-Induced Oxidative Inhibition of Mitochondrial Function Assists BiP/IRE1 alpha/CHOP Signaling-Mediated ER-Related Apoptosis	OXIDATIVE MEDICINE AND CELLULAR LONGEVITY	2021	7.31
Repeated Aconitine Treatment Induced the Remodeling of Mitochondrial Function via AMPK-OPA1-ATP5A1 Pathway	FRONTIERS IN PHARMACOLOGY	2021	5.988

Mitochondrial Iron Overload-Mediated Inhibition of Nrf2-HO-1/GPX4 Assisted ALI-Induced Nephrotoxicity	FRONTIERS IN PHARMACOLOGY	2021	5.988
Aconitine attenuates mitochondrial dysfunction of cardiomyocytes via promoting deacetylation of cyclophilin-D mediated by sirtuin-3	JOURNAL OF ETHNOPHARMACOLOGY	2021	5.195
Global metabolomic and lipidomic analysis reveals the potential mechanisms of hemolysis effect of Ophiopogonin D and Ophiopogonin D' in vivo	CHINESE MEDICINE	2021	4.546
Mechanisms and Molecular Targets of Compound Danshen Dropping Pill for Heart Disease Caused by High Altitude Based on Network Pharmacology and Molecular Docking	ACS OMEGA	2021	4.132
Sestrin2 protects against bavachin induced ER stress through AMPK/mTORC1 signaling pathway in HepG2 cells	JOURNAL OF PHARMACOLOGICAL SCIENCES	2021	3.578
Sharing and Helping: Regularity and Characteristics of Pathology of a Widely Used Transgene	Stem Cells and Development	2021	4.20

Initiated Murine Acute Promyelocytic Leukemia Model			
Low-dose radiation-induced demethylation of 3 β -HSD participated in the regulation of testosterone content	Journal of Ethnopharmacology.	2021	5.295
A comparative study of aurantio-obtusin metabolism in normal and liver-injured rats by ultra performance liquid chromatography quadrupole time-of-flight mass spectrometry	Journal of Pharmaceutical and Biomedical Analysis	2021	3.229
Potential benefits of precise corticosteroids therapy for severe 2019-nCoV pneumonia	SIGNAL TRANSDUCTION AND TARGETED THERAPY	2020	18.187
Ophiopogonin D Increases SERCA2a Interaction with Phospholamban by Promoting CYP2J3 Upregulation	OXIDATIVE MEDICINE AND CELLULAR LONGEVITY	2020	6.543
Urine Metabolomics Study on Potential Hepatotoxic Biomarkers Identification in Rats Induced by Aurantio-Obtusin	FRONTIERS IN PHARMACOLOGY	2020	5.811
Quantitative Proteomics Combined with Two Genetic Strategies for Screening	JOURNAL OF PROTEOME RESEARCH	2020	4.466

Substrates of Ubiquitin Ligase Hrt3			
Notch1-mediated histone demethylation of HCN4 contributes to aconitine-induced ventricular myocardial dysrhythmia	TOXICOLOGY LETTERS	2020	4.374
Differences in the hemolytic behaviour of two isomers in <i>Ophiopogon japonicus</i> in vitro and in vivo and their risk warnings	Oxidative Medicine and Cellular Longevity	2020	7.30
Safety Research in Traditional Chinese Medicine: Methods, Applications, and Outlook	ENGINEERING	2019	6.495
Metabolomics of Aurantio-Obtusin-Induced Hepatotoxicity in Rats for Discovery of Potential Biomarkers	MOLECULES	2019	3.267
Simultaneous quantitation of E0703, a novel radioprotective agent and its oxidative metabolite M1 in human plasma by UPLC-MS/MS, and application to clinical pharmacokinetics	JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS	2019	3.209
Study on Cardiotoxicity and Mechanism of "Fuzi" Extracts Based on	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2018	4.183

Metabonomics			
Sweroside Alleviated Aconitine-Induced Cardiac Toxicity in H9c2 Cardiomyoblast Cell Line	FRONTIERS IN PHARMACOLOGY	2018	3.845
Radioprotective effects of dammarane sapogenins against Co-60-induced myelosuppression in mice	PHYTOTHERAPY RESEARCH	2018	3.766
Oral administration of Aristolochia manshuriensis Kom in rats induces tumors in multiple organs	JOURNAL OF ETHNOPHARMACOLOGY	2018	3.414
Oral chronic toxicity study of geniposide in rats	JOURNAL OF ETHNOPHARMACOLOGY	2018	3.414
Hepatoprotective activity of iridoids, seco-iridoids and analog glycosides from Gentianaceae on HepG2 cells via CYP3A4 induction and mitochondrial pathway	FOOD & FUNCTION	2018	3.241
The Effect of Ultrasound, Oxygen and Sunlight on the Stability of (-)-Epigallocatechin Gallate	MOLECULES	2018	3.06
Dual Tumor-Targeting Nanocarrier System for siRNA Delivery Based on pRNA and Modified Chitosan	MOLECULAR THERAPY-NUCLEIC ACIDS	2017	5.66

Beneficial effects of paeoniflorin on non-alcoholic fatty liver disease induced by high-fat diet in rats	SCIENTIFIC REPORTS	2017	4.122
Multi-Protease Strategy Identifies Three PE2 Missing Proteins in Human Testis Tissue	JOURNAL OF PROTEOME RESEARCH	2017	3.95
Saponins from Sanguisorba officinalis Improve Hematopoiesis by Promoting Survival through FAK and Erk1/2 Activation and Modulating Cytokine Production in Bone Marrow	FRONTIERS IN PHARMACOLOGY	2017	3.831
Ophiopogonin D and EETs ameliorate Ang II-induced inflammatory responses via activating PPARalpha in HUVECs	Biochemical and biophysical research communications	2017	3.10
Integrated analysis of microRNA and mRNA expression profiles highlights the complex and dynamic behavior of toosendanin-induced liver injury in mice	SCIENTIFIC REPORTS	2016	4.259
Normal pregnancy-induced amino acid metabolic stress in a longitudinal cohort of pregnant women: novel insights generated from UPLC-QTOFMS-based urine	METABOLOMICS	2016	3.692

metabolomic study			
The water extract of <i>Veratrum baillonii</i> could attenuate the subacute toxicity induced by <i>Aconitum brachypodum</i>	PHYTOMEDICINE	2016	3.526
Ferulic acid prevents LPS-induced up-regulation of PDE4B and stimulates the cAMP/CREB signaling pathway in PC12 cells	ACTA PHARMACOLOGICA SINICA	2016	3.223
Ginkgolide B protects human umbilical vein endothelial cells against xenobiotic injuries via PXR activation	ACTA PHARMACOLOGICA SINICA	2016	3.223
Ophiopogonin D maintains Ca ²⁺ homeostasis in rat cardiomyocytes in vitro by upregulating CYP2J3/EETs and suppressing ER stress	ACTA PHARMACOLOGICA SINICA	2016	5.873
Paeoniflorin alleviates non-alcoholic steatohepatitis in rats: Involvement with the ROCK/NF-kappaB pathway	International immunopharmacology	2016	5.6
Integrated expression profiles of mRNA and microRNA in the liver of <i>Fructus Meliae</i> Toosendan water extract injured mice	FRONTIERS IN PHARMACOLOGY	2015	4.418

Revealing the mechanism of Fructus meliae toosendan-induced liver injury in mice by integrating microRNA and mRNA-based toxicogenomics data	RSC ADVANCES	2015	3.289
Predose and Postdose Blood Gene Expression Profiles Identify the Individuals Susceptible to Acetaminophen-Induced Liver Injury in Rats	PLOS ONE	2015	3.057
The protective effect of piperine on dextran sulfate sodium induced inflammatory bowel disease and its relation with pregnane X receptor activation	JOURNAL OF ETHNOPHARMACOLOGY	2015	3.055
Tanshinone IIA exerts protective effects in a LCA-induced cholestatic liver model associated with articipation of pregnane X receptor	Journal of ethnopharmacology	2015	5.195
Chemical comparison of dried rehmannia root and prepared rehmannia root by UPLC-TOF MS and HPLC-ELSD with multivariate statistical analysis	ACTA PHARMACEUTICA SINICA B	2013	14.907

Radioprotective effect of adenine on irradiation-induced apoptosis	CHINESE JOURNAL OF NATURAL MEDICINES	2013	3.887
Acute and subchronic oral toxicity assessment of the herbal formula Kai-Xin-San	JOURNAL OF ETHNOPHARMACOLOGY	2011	3.014
The protective role of 5-HMF against hypoxic injury	CELL STRESS & CHAPERONES	2011	3.013
beta-sitosterol decreases irradiation-induced thymocyte early damage by regulation of the intracellular redox balance and maintenance of mitochondrial membrane stability	JOURNAL OF CELLULAR BIOCHEMISTRY	2007	3.381
Microarray analysis of altered gene expression.in diallyl trisulfide-treated HepG2 cells	PHARMACOLOGICAL REPORTS	2005	3.919

PATENT:

No.	Title	Rank	Year
1	Application of a TBK1 phosphorylation inhibition in the control of inflammatory storm	1	2022
2	Application of inosine in the preparation of drugs for the treatment of novel coronavirus pneumonia	1	2022
3	Application of a drug in the treatment of novel coronavirus pneumonia	1	2021
4	A nephrotoxicity detection method based on high content technology and its application	1	2022
5	Application of Ferulic Acid in Treatment of Radiation Skin Injury	1	2021
6	A kind of ophiopogon D' preparation and its new application of hypoglycemic drug	1	2019
7	A kind of ophiopogon saponin D' preparation and its new application of blood lipid-lowering drug	1	2019
8	A preparation composed of Ophiopogon saponin D and Ophiopogon japonicus saponin D' and its new application of hypoglycemic drug	1	2019
9	A preparation of ophiopogon saponin D and its new application of hypoglycemic drug	1	2019
10	A preparation of ophiopogon saponin D and its new application of blood lipid-lowering drug	1	2019
11	A preparation composed of Ophiopogon saponin D and Ophiopogon japonicus saponin D' and its new application of blood lipid-lowering drug	1	2019
12	A method for establishing a radiation-induced small intestine injury model in vivo and in vitro	3	2019
13	A method for establishing a radiation-induced small intestine injury model in vivo and in vitro	3	2020
14	A method for optimizing the compatibility of traditional Chinese medicines	1	2012

15	Application of schisandrin A in preparation of medicine for treating bile acid stasis liver injury	1	2012
16	A method for screening the activation characteristics of PXR in vitro	1	2011
17	A kind of preparation method of anti-radiation chemical synthesis drug	2	2014
18	A kind of anti-radiation chemical synthetic drug	1	2011
19	Application of Rhodiola rosea extract in drugs capable of stimulating bone marrow hematopoietic function	1	-
20	A traditional Chinese medicine preparation	1	-
21	A kind of traditional Chinese medicine preparation for treating osteoporosis	1	2002
22	An effective part of Siwu Decoction	1	-
23	Application of paeoniflorin in the preparation of drugs with blood-enriching effect	1	-
24	A kind of purposes of ferulic acid	1	2012
25	A Method for Quantitative Analysis of Small Molecules in Biological Samples Using LC-MS Technique	1	2010
26	Traditional Chinese Medicine Compound Garcinia Cambogia, Its Preparation Method and Application	2	2010
27	A monomer compound that significantly stimulates endoplasmic reticulum stress and oxidative stress and its use	1	2017