

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.

Academician Yang Baofeng led a team to tackle the key issues and bottlenecks in major cardiovascular diseases in China. After decades of hard work, they made the groundbreaking discovery of the mechanism behind a significant cardiac disease—non-coding RNAs/M3 receptors/ion channels, which serve as novel targets for regulating major cardiovascular diseases. They also identified microRNAs as important regulatory molecules in arrhythmias and sudden cardiac death, bringing hope for the prevention and treatment of sudden cardiac death. This research was recognized as a highlight by Nature, an editor's recommendation by Science, and one of the top ten advances in life sciences by Nature Medicine. Over 600 papers have been published in journals such as Nature Medicine, Circulation, JCI, JACC, Cir Res, and STTT, with over 20,000 citations. Prof. Baofeng Yang evaluated the effects of over 100 drugs on the cardiovascular system and proposed the theory “Best Target of Antiarrhythmic Drug Action”, which was indited into the book—Ion Channel Pharmacology; Prof. Baofeng Yang developed a few therapeutic drugs such as Daming capsule, Kangxin capsule and Nianlianping, which have been used in clinic and brought great economic benefits. Prof. Baofeng Yang was the editor-in-chief of the medical textbook—Pharmacology (Sixth, Seventh, Eighth, and Ninth Edition). In the past years, Prof. Baofeng Yang was awarded some prizes, which includes: The Second Prize of the State Natural Science Award of Science and Technology Progress. Academician Yang Baofeng has been selected as a highly cited researcher in China by Elsevier for multiple consecutive years. He has been honored as a visiting professor and honorary doctorate by over 30 internationally renowned institutions in countries including the United States, Russia, Japan, and Australia. He is also a Fellow of the Royal Society of Biology. He has maintained cooperation with a number of European universities for a long time, such as Elisabeth Genot, Institut national de la santé et de la recherche médicale, college de France, University of Groningen.

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.

Prof. Baofeng Yang, Academician of Chinese Academy of Engineering, Director of National Key Laboratory of Frigid Zone Cardiovascular Diseases, Honorary Professor of world famous universities in the US, Russia, Australia and Japan. Professor Yang is Director of state key pharmacology discipline, Chief scientist of “973” program project, National Prize for Natural Sciences (Second Prize), National Innovation Award (China), The Top Ten Outstanding Scientists of China, Science and Technology Award, Ministry of Education, China (First Prize), Natural Science Award of National Higher-education Academies (First Prize), Wu Jieping Medicine Prize-Paul Janssen Pharmacy Prize, Vice chairman of Science & Technology Society of Heilongjiang Province, Honorary Chairman of Chinese Cardiovascular Pharmacologic Society, Scientific committee member of China's Education Ministry.

PUBLICATIONS

(max. 10 works)

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

1. Yang B, Lin H, Xiao J, Lu Y, Luo X, Li B, Zhang Y, Xu C, Bai Y, Wang H, Chen G, Wang Z. The muscle-specific microRNA miR-1 regulates cardiac arrhythmogenic potential by targeting GJA1 and KCNJ2. *Nat Med.* 2007 Apr;13(4):486-91. doi: 10.1038/nm1569. Epub 2007 Apr 1. Erratum in: *Nat Med.* 2011 Dec;17(12):1693.

Comments in *Nat Med.* 2007;13 (4):410-411; *Nature.* 2007;447:4-5; 2007;447:389-90; *Science.* 2007;316:663

2. Pan Z, Sun X, Shan H, Wang N, Wang J, Ren J, Feng S, Xie L, Lu C, Yuan Y, Zhang Y, Wang Y, Lu Y, Yang B*. MicroRNA-101 inhibited postinfarct cardiac fibrosis and improved left ventricular compliance via the FBJ osteosarcoma oncogene/transforming growth factor- β 1 pathway. *Circulation.* 2012; 126(7): 840-50.

Comments in *Circulation.* 2012;126(7):800-2.

3. Lu Y, Zhang Y, Wang N, Pan Z, Gao X, Zhang F, Zhang Y, Shan H, Luo X, Bai Y, Sun L, Song W, Xu C, Wang Z, Yang B. MicroRNA-328 contributes to adverse electrical remodeling in atrial fibrillation. *Circulation.* 2010 Dec 7;122(23):2378-87. doi: 10.1161/CIRCULATIONAHA.110.958967. Epub 2010 Nov 22. Erratum in: *Circulation.* 2011 Sep 20;124(12):e334.

4. Zhang Y, Jiao L, Sun L, Li Y, Gao Y, Xu C, Shao Y, Li M, Li C, Lu Y, Pan Z, Xuan L, Zhang Y, Li Q, Yang R, Zhuang Y, Zhang Y, Yang B. LncRNA ZFAS1 as a SERCA2a Inhibitor to Cause Intracellular Ca²⁺ Overload and Contractile Dysfunction in

a Mouse Model of Myocardial Infarction. *Circ Res.* 2018 May 11;122(10):1354-1368.
Comments in *Circ Res.* 2018;122(10):1327-1329.

5. Cai B, Ma W, Ding F, Zhang L, Huang Q, Wang X, Hua B, Xu J, Li J, Bi C, Guo S, Yang F, Han Z, Li Y, Yan G, Yu Y, Bao Z, Yu M, Li F, Tian Y, Pan Z, Yang B. The Long Noncoding RNA CAREL Controls Cardiac Regeneration. *J Am Coll Cardiol.* 2018 Jul 31;72(5):534-550.

Comments in *J Am Coll Cardiol.* 2018;72(5):551-552. *J Am Coll Cardiol.* 2018;72(21):2683. *J Am Coll Cardiol.* 2018;72(21):2684.

6. Zhang Y, Zhang X, Cai B, Li Y, Jiang Y, Fu X, Zhao Y, Gao H, Yang Y, Yang J, Li S, Wu H, Jin X, Xue G, Yang J, Ma W, Han Q, Tian T, Li Y, Yang B, Lu Y, Pan Z. [The long noncoding RNA lncCIRBIL disrupts the nuclear translocation of Bclaf1 alleviating cardiac ischemia-reperfusion injury.](#) *Nat Commun.* 2021 Jan 22;12(1):522. doi: 10.1038/s41467-020-20844-3.

7. Zhang Y, Sun L, Xuan L, Pan Z, Hu X, Liu H, Bai Y, Jiao L, Li Z, Cui L, Wang X, Wang S, Yu T, Feng B, Guo Y, Liu Z, Meng W, Ren H, Zhu J, Zhao X, Yang C, Zhang Y, Xu C, Wang Z, Lu Y, Shan H, Yang B. Long non-coding RNA CCRR controls cardiac conduction via regulating intercellular coupling. *Nat Commun.* 2018 Oct 9;9(1):4176.

8. Yang Y, Zhang Y, Yang J, Zhang M, Tian T, Jiang Y, Liu X, Xue G, Li X, Zhang X, Li S, Huang X, Li Z, Guo Y, Zhao L, Bao H, Zhou Z, Song J, Yang G, Xuan L, Shan H, Zhang Z, Lu Y, Yang B and Pan Z. Interdependent Nuclear Co-Trafficking of ASPP1 and p53 Aggravates Cardiac Ischemia/Reperfusion Injury. *Circ Res.* 2023;132:208-222.

9. Luo X, Pan Z, Shan H, Xiao J, Sun X, Wang N, Lin H, Xiao L, Maguy A, Qi XY, Li Y, Gao X, Dong D, Zhang Y, Bai Y, Ai J, Sun L, Lu H, Luo XY, Wang Z, Lu Y, Yang B, Nattel S. MicroRNA-26 governs profibrillatory inward-rectifier potassium current changes in atrial fibrillation. *J Clin Invest.* 2013;123:1939-1951.

10. Yuan Y, Mei Z, Qu Z, Li G, Yu S, Liu Y, Liu K, Shen Z, Pu J, Wang Y, Wang C, Sun Z, Liu Q, Pang X, Wang A, Ren Z, Wang T, Liu Y, Hong J, Xie J, Li X, Wang Z, Du W, Yang B. Exosomes secreted from cardiomyocytes suppress the sensitivity of tumor ferroptosis in ischemic heart failure. *Signal Transduct Target Ther.* 2023 Mar 27;8(1):121.

BIOGRAPHY WITH PHOTO:



Prof. Baofeng Yang, Academician of Chinese Academy of Engineering, Director of National Key Laboratory of Frigid Zone Cardiovascular Diseases, Honorary Professor of world famous universities in the US, Russia, Australia and Japan. Professor Yang is Director of state key pharmacology discipline, Chief scientist of “973” program project, National Prize for Natural Sciences (Second Prize), National Innovation Award (China), The Top Ten Outstanding Scientists of China, Science and Technology Award, Ministry of Education, China (First Prize), Natural Science Award of National Higher-education Academies (First Prize), Wu Jieping Medicine Prize-Paul Janssen Pharmacy Prize, Vice chairman of Science & Technology Society of Heilongjiang Province, Honorary Chairman of Chinese Cardiovascular Pharmacologic Society, Scientific committee member of China's Education Ministry.

PROJECT MANAGEMENT, GRANTS OR FUNDING RECEIVED:

2022.01-2025.12	National Natural Science Foundation of China [U21A20339]	¥2,600,000.00
2019.01-2021.12	National Natural Science Foundation of China [81861128022] Non-coding RNAs in atrial fibrillation pathophysiology, therapy and risk prediction.	¥3,000,000.00
2018.01-2022.12	National Natural Science Foundation of China [81730012] The role of lncRNAs in the development and prevention of diabetic cardiomyopathy.	¥2,940,000.00
2017.07-2020.12	National Key R&D Program of China [2017YFC1307403] Molecular mechanism of atherosclerosis and heart failure.	¥12,000,000.00
2015.01-2017.12	Foundation for Innovative Research Groups of the National Natural Science Foundation of China [81421063] Prevention/treatment and clinical translational research of major cardiovascular disease.	¥6,000,000.00
2012.01-2016.12	National Natural Science Foundation of China [81130088] The new targets of ischemic arrhythmias/ sudden death and the new mechanisms of Chinese medicine preventive effect.	¥2,800,000.00
2012.01-2014.12	Foundation for Innovative Research Groups of the National Natural Science Foundation of China [81121003] Prevention/treatment and clinical translational research of major cardiovascular disease.	¥6,000,000.00
2012.1-2015.12	National Science and Technology Major Projects for “Major New Drugs Innovation and Development” Development of "Zhuxinjiaonang" as an anti-ischemic heart disease drug with microRNAs as targets.	¥1,500,000.00
2009.1- 2011.12	Key Project of Natural Science Foundation of Heilongjiang Province [ZD200807-02] Study of molecular mechanisms and electrophysiological characteristics of calcium-activated chloride channels mediated cardiac arrhythmia.	¥100,000.00

2007.7-2011.8	973 (the National Basic Research Program of China) [2007CB512000] Study of prevention and treatment of cardiac failure and arrhythmia.	¥30,000,000.00
2006.1-2008.12	Key Project of Natural Science Foundation of Heilongjiang Province [ZJY0501] The effects of flavonoid glycosides on myocardial ischemia and the underlying mechanisms.	¥200,000.00
2007.1-2009.12	National Natural Science Foundation of China [30672644] The effect of several kinds of traditional Chinese medicine on the atrial fibrillation targets IKM3 and Ikur.	¥300,000.00
2008.1-2010.12	National Natural Science Fund Project of International Cooperation (NSFC-FRSQ) Deregulation of microRNA expression during myocardial ischemia as a molecular mechanism for ischemic injuries and role of improving microRNA expression by traditional Chinese medicine Fufang Danshen Dripping Pill as a molecular mechanism for its protective action against ischemic injuries	¥450,000.00
2008.1-2008.12	National Natural Science Fund Project of International Cooperation (NSFC-FRSQ) Deregulation of microRNA expression during myocardial ischemia as a molecular mechanism for ischemic injuries and role of improving microRNA expression by traditional Chinese medicine Fufang Danshen Dripping Pill as a molecular mechanism for its protective action against ischemic injuries	¥30,000.00
2004-2005	Project Supported by The Education Department of Heilongjiang Province-Revitalization of The Old Industrial Base Construction of Harbin pharmaceutical biomedical engineering research and development center in Harbin Medical University.	¥400,000.00
2004-2005	Project Supported by The Education Department of Heilongjiang Province-Revitalization of The Old Industrial Base Feasibility Study on enlarging the production scale of "Damingjiaonang".	¥50,000.00
2005.1-2008.12	The State Key Program of National Natural Science Foundation of China [30430780] Study on anti-arrhythmic Chinese medicine-based on the best targets hypothesis.	¥1,500,000.00

2004-2006	Ph.D. Program Foundation of Ministry of Education in China [20040226014] New target of anti-arrhythmic drugs: M3 mediated potassium current (IKM3).	¥60,000.00
2005.1-2006.12	Ministry of Science and Technology 973 (State Key Program of Basic Research) [2004CCA06700] Comparative study of Chinese medicine and western medicine in anti-arrhythmic targets.	¥500,000.00
1999.10-2000.12	Ministry of Science and Technology 1035 Project The secondary research of refined ShuangHuangLian.	¥300,000.00
1998.1-1999.12	National “863” Project Study of key technology platform of clinical trials.	¥300,000.00
2002.1-2004.12	Key Project of Heilongjiang Province [20010101001-00] The research on antidiabetic drug “Xuetangan”.	¥1,500,000.00
2001.1-2004.12	Science and Technology Research Key Project of Educational Commission in Heilongjiang Province [9551Z007] The research and development of new drug “Xijiangtang” (Category II).	¥250,000.00
2002.9-2005.12	Project Supported by The Department of Life Science, National Natural Science Fund Committee [30271599] Study on the best targets of anti-arrhythmic drugs	¥210,000.00
2002.3-2002.4	Projects of International Cooperation and Exchanges NSFC [30213033] The effects of active ingredient in antiarrhythmic drugs on potassium channels- comparative study.	¥80,000.00
2000.12-2001.12	Projects of International Cooperation and Exchanges NSFC [3001121726] The effects of active ingredient in antiarrhythmic drugs on potassium channels- comparative study.	¥25,000.00
2001.1-2003.12	National Natural Science Foundation of China [30070925] Screening high efficient and low toxic diuresis medicine with clonal potassium channel.	¥170,000.00
1999.1-2001.12	National Natural Science Foundation of China [39870922] The effects of active ingredient in antiarrhythmic drugs on potassium channels- comparative study.	¥110,000.00

2001.1-2003.12	Foundation of the Ministry of Education for Outstanding Young Teachers Study of the mechanisms of hypolipidemic drugs.	¥120,000.00
2001.1-2003.12	Heilongjiang Province Foundation for Returnees Studies on new anti-arrhythmia drugs.	¥70,000.00
2001.1-2003.12	Scientific and Technological Project of Harbin The research and development of “Jiangzhiling”	¥200,000.00
1996 -2001	Outstanding Youth Science Fund in Heilongjiang Province [C9610] The research on anti-arrhythmic drugs and hypolipidemic drugs.	¥100,000.00
1998.1-2000.1	Foundation of The Ministry of Education for Outstanding Young Teachers The effects of myocardial cell transplantation and IK1 regulator on heart pump function.	¥65,000.00
1992-1995	Heilongjiang Province Foundation for Returnees [1992]430 Outstanding Youth Science Fund in Heilongjiang Province [(92) 10] Study on antiarrhythmic effects of 7 – bromethoxybenzene-etrahydropalmatine and the underlying mechanisms.	¥100,000.00

HONORS AND AWARDS:

AWARDS:

- 2020 Scientific and Technological Progress Award of Heilongjiang Province (First Prize)
- 2017 Science and Technology Award, Ministry of Education, China (First Prize)
- 2017 National Innovation Award, China
- 2014 Leader of National Advanced Collectives of Professional and Technical Personnel
- 2014 Science and Technology Award, Ministry of Education, China (First Prize)
- 2013 Medical Science and Technology Progress Award, Chinese Medical Association (First Prize)
- 2012 Science and Technology Award, Ministry of Education, China (First Prize)
- 2010 Scientific and Technological Progress Award of Heilongjiang Province (Second Prize)
- 2010 The Top Ten Outstanding Scientists of China
- 2009 Top Scientific and Technological Award of Heilongjiang Province

2008 Prize for Scientific and Technological Progress (HO LEUNG HO LEE FOUNDATION)

- 2008 Outstanding Research Achievement Award of Colleges and Universities (First Prize)
- 2008 Scientific and Technological Progress Award of Heilongjiang Province (Second Prize)
- 2007 Medical Science and Technology Progress Award of Heilongjiang Province (First Prize)
- 2007 Science and Technology Award of Heilongjiang Colleges and Universities (First Prize)
- 2007 Scientific and Technological Progress Award of Heilongjiang Province (First Prize)
- 2005 National Prize for Higher Education and Teaching Achievement (Second Prize)
- 2005 Outstanding Returned Overseas Award in Heilongjiang Province
- 2005 National Excellent Teaching Material for Medical Universities (Pharmacology, 6th edition, People's Medical Publishing House)
- 2005 Excellent Reviewer of Chinese Pharmacological Bulletin
- 2005 Scientific and Technological Award of Heilongjiang Province (Second Prize)
- 2005 Science and Technology Award of Heilongjiang Colleges and Universities (First Prize)
- 2005 Teaching Achievement Award of Heilongjiang Province Colleges and Universities (First Prize)
- 2004 National Prize for Natural Sciences (Second Prize)
- 2004 Scientific and Technological Award of Heilongjiang Province (Second Prize)
- 2004 State Science and Technology Award Nominated by Education Ministry of China (First Prize)
- 2004 Science and Technology Award of Heilongjiang Colleges and Universities (Third Prize)
- 2003 State Science and Technology Award Nominated by Education Ministry of China (First Prize)
- 2003 Outstanding Party Leaders in Heilongjiang Province
- 2003 Science and Technology Award in Heilongjiang Province (Second Prize)
- 2003 Science and Technology Award of Colleges and Universities in Heilongjiang Province (Second Prize)
- 2003 Teaching Achievement Award of Heilongjiang Province Colleges and Universities (Second Prize)
- 2003 The Medical Application of New Technology in Heilongjiang Province (First Prize)
- 2003 Outstanding Communist Party Member of Heilongjiang College working committee

- 2002 Accomplished Young and Middle-aged Experts Awarded by Ministry of Health (First Prize)
- 2002 Outstanding Education Research Papers of HeiLongjiang Association of Higher Education (First Prize)
- 2002 The 9th Model Workers in Heilongjiang Province
- 2002 Science and Technology Award of Heilongjiang Colleges and Universities (First Prize)
- 2001 Outstanding Education Research Papers of HeiLongjiang Association of Higher Education (First Prize)
- 2001 New Medical Treatment Techniques of Harbin Medical University (First Prize)
- 2001 Outstanding Returned Overseas Award in Heilongjiang Province
- 2000 Science and Technology Progress Award by Heilongjiang Education Commission (First Prize)
- 2000 Outstanding Papers by Association for Science and Technology in Heilongjiang Province (First Prize)
- 2000 Outstanding Papers by Association for Science and Technology in Heilongjiang Province (Second Prize)
- 2000 Wu Jieping Medicine Prize-Paul Janssen Pharmacy Prize
- 2000 Natural Science Award of National Higher-education Academies (First Prize)
- 2000 Scientific and Technological Progress Award of Heilongjiang Province (Third Prize) [20-190-01]
- 2000 Scientific and Technological Progress Award of Heilongjiang Province (Third Prize) [20-160-04]
- 2000 Science and Technology Progress Award by Heilongjiang Education Commission (First Prize)
- 1999 Scientific and Technological Progress Award of Heilongjiang Province. (Third Prize)
- 1999 Medical Science and Technology Progress Award of Heilongjiang Province (Second Prize)
- 1999 Scientific and Technological Progress Award of Heilongjiang Province (Third Prize)
- 1999 Science and Technology Progress Award by Ministry of Health (Third Prize)
- 1999 Science and Technology Progress Award by Heilongjiang province Education Committee
- 1998 Medical and Health Science and Technology Progress Award of Heilongjiang Province (First Prize)
- 1998 Excellent Postgraduate Tutor of Harbin Medical University
- 1998 Special Government Allowance by the State Council
- 1998 Scientific and Technological Progress Award of Heilongjiang Provincial Health Office (First Prize)
- 1998 Science and Technology Progress Award of Heilongjiang Province (Third

Prize)

- 1997 First and Second Class Persons of National Talents Engineering of Ministry of Personnel of China
- 1997 National Outstanding Returned Overseas
- 1996 New Technology Invention in Heilongjiang Province (First Prize)
- 1996 Young and Middle-aged Experts in Heilongjiang Province
- 1996 The Excellent Young Expert in Heilongjiang Province
- 1995 Science and Technology Progress Award of Heilongjiang Province (First Prize)
- 1995 Science and Technology Progress Award of Heilongjiang Province (Third Prize)
- 1994 The Excellent Academic Paper for Association for Science and Technology of Harbin (Second Prize)
- 1994 Scientific and Technological Exhibition of Heilongjiang Province (Third Prize)
- 1994 Scientific and Technological Award of Heilongjiang Province (Second Prize)
- 1993 Medical Science and Technology Progress Award of Heilongjiang Province (First Prize)
- 1993 The 4th Chinese Medical Science and Technology Forum (Second Prize)
- 1991 Excellent Academic Paper of Harbin

HONORS:

- 2004-now Doctor of Science
La Trobe University, Australia
- 2005-now Visiting Professor
West Virginia University, U.S.
- 2006-now Visiting Professor
University of Missouri-Kansas City, U.S.
- 2006-now Honourable Professor
Perm Pharmaceutical Academy, Russia
- 2007-now Honourable Professor
Shiga-University of Medical Science, Japan
- 2007-now Visiting Professor
Nippon Medical University, Japan
- 2014-now Professor Emeritus
I.M. Sechenov First Moscow State Medical University, Russia
- 2015-now Honourable Professor
University of Melbourne, Australia
- 2015-now Adjunct Professor
The University of Tennessee Health Science Center, U.S.

2017-now Honourable Professor
 Voronezh State Medical University, Russia

2017-now Honourable Professor
 Kuban State Medical University, Russia

2017-now Adjunct Professor
 Edith Cowan University, Australia

2018-now Honourable Professor
 St. Petersburg University, Russia

FULL PUBLICATIONS LIST:

10 Selected Articles:

1. Yang B, Lin H, Xiao J, Lu Y, Luo X, Li B, Zhang Y, Xu C, Bai Y, Wang H, Chen G, Wang Z. The muscle-specific microRNA miR-1 regulates cardiac arrhythmogenic potential by targeting GJA1 and KCNJ2. *Nat Med.* 2007 Apr;13(4):486-91. doi: 10.1038/nm1569. Epub 2007 Apr 1. Erratum in: *Nat Med.* 2011 Dec;17(12):1693.

Comments in Nat Med. 2007;13 (4):410-411; Nature. 2007;447:4-5; 2007;447:389-90; Science. 2007;316:663

2. Pan Z, Sun X, Shan H, Wang N, Wang J, Ren J, Feng S, Xie L, Lu C, Yuan Y, Zhang Y, Wang Y, Lu Y, Yang B*. MicroRNA-101 inhibited postinfarct cardiac fibrosis and improved left ventricular compliance via the FBJ osteosarcoma oncogene/transforming growth factor- β 1 pathway. *Circulation.* 2012; 126(7): 840-50.

Comments in Circulation. 2012;126(7):800-2.

3. Lu Y, Zhang Y, Wang N, Pan Z, Gao X, Zhang F, Zhang Y, Shan H, Luo X, Bai Y, Sun L, Song W, Xu C, Wang Z, Yang B. MicroRNA-328 contributes to adverse electrical remodeling in atrial fibrillation. *Circulation.* 2010 Dec 7;122(23):2378-87. doi: 10.1161/CIRCULATIONAHA.110.958967. Epub 2010 Nov 22. Erratum in: *Circulation.* 2011 Sep 20;124(12):e334.

4. Zhang Y, Jiao L, Sun L, Li Y, Gao Y, Xu C, Shao Y, Li M, Li C, Lu Y, Pan Z, Xuan L, Zhang Y, Li Q, Yang R, Zhuang Y, Zhang Y, Yang B. LncRNA ZFAS1 as a SERCA2a Inhibitor to Cause Intracellular Ca²⁺ Overload and Contractile Dysfunction in a Mouse Model of Myocardial Infarction. *Circ Res.* 2018 May 11;122(10):1354-1368. **Comments in Circ Res. 2018;122(10):1327-1329.**

5. Cai B, Ma W, Ding F, Zhang L, Huang Q, Wang X, Hua B, Xu J, Li J, Bi C, Guo S, Yang F, Han Z, Li Y, Yan G, Yu Y, Bao Z, Yu M, Li F, Tian Y, Pan Z, Yang B. The Long Noncoding RNA CAREL Controls Cardiac Regeneration. *J Am Coll Cardiol.* 2018 Jul 31;72(5):534-550.

Comments in J Am Coll Cardiol. 2018;72(5):551-552. J Am Coll Cardiol. 2018;72(21):2683. J Am Coll Cardiol. 2018;72(21):2684.

6. Zhang Y, Zhang X, Cai B, Li Y, Jiang Y, Fu X, Zhao Y, Gao H, Yang Y, Yang J, Li S, Wu H, Jin X, Xue G, Yang J, Ma W, Han Q, Tian T, Li Y, Yang B, Lu Y, Pan Z. The long noncoding RNA lncCIRBIL disrupts the nuclear translocation of Bclaf1 alleviating cardiac ischemia-reperfusion injury. *Nat Commun.* 2021 Jan 22;12(1):522. doi: 10.1038/s41467-020-20844-3.
7. Zhang Y, Sun L, Xuan L, Pan Z, Hu X, Liu H, Bai Y, Jiao L, Li Z, Cui L, Wang X, Wang S, Yu T, Feng B, Guo Y, Liu Z, Meng W, Ren H, Zhu J, Zhao X, Yang C, Zhang Y, Xu C, Wang Z, Lu Y, Shan H, Yang B. Long non-coding RNA CCRR controls cardiac conduction via regulating intercellular coupling. *Nat Commun.* 2018 Oct 9;9(1):4176.
8. Yang Y, Zhang Y, Yang J, Zhang M, Tian T, Jiang Y, Liu X, Xue G, Li X, Zhang X, Li S, Huang X, Li Z, Guo Y, Zhao L, Bao H, Zhou Z, Song J, Yang G, Xuan L, Shan H, Zhang Z, Lu Y, Yang B and Pan Z. Interdependent Nuclear Co-Trafficking of ASPP1 and p53 Aggravates Cardiac Ischemia/Reperfusion Injury. *Circ Res.* 2023;132:208-222.
9. Luo X, Pan Z, Shan H, Xiao J, Sun X, Wang N, Lin H, Xiao L, Maguy A, Qi XY, Li Y, Gao X, Dong D, Zhang Y, Bai Y, Ai J, Sun L, Lu H, Luo XY, Wang Z, Lu Y, Yang B, Nattel S. MicroRNA-26 governs profibrillatory inward-rectifier potassium current changes in atrial fibrillation. *J Clin Invest.* 2013;123:1939-1951.
10. Yuan Y, Mei Z, Qu Z, Li G, Yu S, Liu Y, Liu K, Shen Z, Pu J, Wang Y, Wang C, Sun Z, Liu Q, Pang X, Wang A, Ren Z, Wang T, Liu Y, Hong J, Xie J, Li X, Wang Z, Du W, Yang B. Exosomes secreted from cardiomyocytes suppress the sensitivity of tumor ferroptosis in ischemic heart failure. *Signal Transduct Target Ther.* 2023 Mar 27;8(1):121.

Other Articles:

11. Yue E, Yu Y, Wang X, Liu B, Bai Y, Yang B. Anthocyanin Protects Cardiac Function and Cardiac Fibroblasts From High-Glucose Induced Inflammation and Myocardial Fibrosis by Inhibiting IL-17. *Front Pharmacol.* 2021 Feb 2;11:593633. doi: 10.3389/fphar.2020.593633.
12. Xue GL, Li DS, Wang ZY, Liu Y, Yang JM, Li CZ, Li XD, Ma JD, Zhang MM, Lu YJ, Li Y, Yang BF, Pan ZW. Interleukin-17 upregulation participates in the pathogenesis of heart failure in mice via NF- κ B-dependent suppression of SERCA2a and Cav1.2 expression. *Acta Pharmacol Sin.* 2021 Feb 15. doi: 10.1038/s41401-020-00580-6. Online ahead of print.
13. Liu X, Han W, An N, Cao N, Wu T, Yang S, Ding L, Chen X, Chen C, Aruhan, Zhang Y, Wang K, Suo L, Huang J, Wang J, Zhao X, Zhu J, Zhang Y, Yang B. Kanglexin protects against cardiac fibrosis and dysfunction in mice by TGF- β 1/ERK1/2 noncanonical pathway. *Front Pharmacol.* 2021 Jan 14;11:572637. doi: 10.3389/fphar.2020.572637.
14. Han Z, Wang X, Xu Z, Cao Y, Gong R, Yu Y, Yu Y, Guo X, Liu S, Yu M, Ma W, Zhao Y, Xu J, Li X, Li S, Xu Y, Song R, Xu B, Yang F, Bamba D, Sukhareva N, Lei H, Gao M, Zhang W, Zagidullin N, Zhang Y, Yang B, Pan Z, Cai B. ALKBH5 regulates cardiomyocyte proliferation and heart regeneration by demethylating the mRNA of YTHDF1. *Theranostics.* 2021 Jan 1;11(6):3000-3016.
15. Li X, Hu X, Pan T, Dong L, Ding L, Wang Z, Song R, Wang X, Wang N, Zhang Y, Wang J, Yang B. Kanglexin, a new anthraquinone compound, attenuates lipid accumulation by activating the AMPK/SREBP-2/PCSK9/LDLR signalling pathway. *Biomed Pharmacother.* 2021 Jan;133:110802. doi: 10.1016/j.biopha.2020.110802.
16. Zhao Y, Wang X, Yang S, Song X, Sun N, Chen C, Zhang Y, Yao D, Huang J, Wang J, Zhang Y, Yang B. Kanglexin accelerates diabetic wound healing by promoting angiogenesis via FGFR1/ERK signaling. *Biomed Pharmacother.* 2020 Dec;132:110933.

17. Yagudin T, Zhao Y, Gao H, Zhang Y, Yang Y, Zhang X, Ma W, Daba TM, Ishmetov V, Kang K, Yang B, Pan Z. iASPP protects the heart from ischemia injury by inhibiting p53 expression and cardiomyocyte apoptosis. *Acta Biochim Biophys Sin (Shanghai)*. 2021 Jan 12;53(1):102-111.
18. Li J, Xu C, Liu Y, Li Y, Du S, Zhang R, Sun Y, Zhang R, Wang Y, Xue H, Ni S, Asiya M, Xue G, Li Y, Shi L, Li D, Pan Z, Zhang Y, Wang Z, Cai B, Wang N, Yang B. Fibroblast growth factor 21 inhibited ischemic arrhythmias via targeting miR-143/EGR1 axis. *Basic Res Cardiol*. 2020 Jan 4;115(2):9.
19. Wu X, Yu K, Wang Y, Xu W, Ma H, Hou Y, Li Y, Cai B, Zhu L, Zhang M, Hu X, Gao J, Wang Y, Qin H, Wang W, Zhao M, Wu X, Zhang Y, Li L, Li K, Du Z, Mol BWJ, Yang B. Efficacy and Safety of Triazavirin Therapy for Coronavirus Disease 2019: A Pilot Randomized Controlled Trial. *Engineering (Beijing)*. 2020 Oct;6(10):1185-1191.
20. Wu X, Yu K, Wang Y, Xu W, Ma H, Hou Y, Li Y, Cai B, Zhu L, Zhang M, Hu X, Gao J, Wang Y, Qin H, Zhao M, Zhang Y, Li K, Du Z, Yang B. The Efficacy and Safety of Triazavirin for COVID-19: A Trial Protocol. *Engineering (Beijing)*. 2020 Oct;6(10):1199-1204.
21. Li X, Wang C, Zhang B, Yang B. Editorial for the Special Issue on COVID-19. *Engineering (Beijing)*. 2020 Oct;6(10):1057-1060.
22. Liu X, Wei Y, Bai X, Li M, Li H, Wang L, Zhang S, Li X, Zhao T, Liu Y, Geng R, Cui H, Chen H, Xu R, Liu H, Zhang Y, Yang B. Berberine prevents primary peritoneal adhesion and adhesion reformation by directly inhibiting TIMP-1. *Acta Pharm Sin B*. 2020 May;10(5):812-824.
23. Zhang L, Wang Y, Ju JM, Shabanova A, Li Y, Fang R, Sun J, Guo Y, Jin T, Liu Y, Li T, Shan H, Liang H, Yang B. Mzb1 protects against myocardial infarction injury in mice via modulating mitochondrial function and alleviating inflammation. *Acta Pharmacol Sin*. 2020 Aug 5. doi: 10.1038/s41401-020-0489-0.
24. Li Z, Xu H, Liu X, Hong Y, Lou H, Liu H, Bai X, Wang L, Li X, Monayo SM, Mokembo JN, Jha NK, Yang B, Zhang Y. GDF11 inhibits cardiomyocyte pyroptosis and exerts cardioprotection in acute myocardial infarction mice by upregulation of transcription factor HOXA3. *Cell Death Dis*. 2020 Oct 25;11(10):917.
25. Li X, Hu X, Pan T, Dong L, Ding L, Wang Z, Song R, Wang X, Wang N, Zhang Y, Wang J, Yang B. Kanglexin, a new anthraquinone compound, attenuates lipid accumulation by activating the AMPK/SREBP-2/PCSK9/LDLR signalling pathway. *Biomed Pharmacother*. 2020 Nov 14;133:110802.
26. Zhao Y, Wang X, Yang S, Song X, Sun N, Chen C, Zhang Y, Yao D, Huang J, Wang J, Zhang Y, Yang B. Kanglexin accelerates diabetic wound healing by promoting angiogenesis via FGFR1/ERK signaling. *Biomed Pharmacother*. 2020 Dec;132:110933.
27. Khan H, Jia W, Yu Z, Zaib T, Feng J, Jiang Y, Song H, Bai Y, Yang B, Feng H. Emodin succinyl ester inhibits malignant proliferation and migration of hepatocellular carcinoma by suppressing the interaction of AR and EZH2. *Biomed Pharmacother*. 2020 Aug;128:110244.
28. Xuan L, Zhu Y, Liu Y, Yang H, Wang S, Li Q, Yang C, Jiao L, Zhang Y, Yang B, Sun L. Up-regulation of miR-195 contributes to cardiac hypertrophy-induced arrhythmia by targeting calcium and potassium channels. *J Cell Mol Med*. 2020 Jul;24(14):7991-8005.
29. Yagudin T, Zhao Y, Gao H, Zhang Y, Yang Y, Zhang X, Ma W, Daba TM, Ishmetov V, Kang K, Yang B, Pan Z. iASPP protects the heart from ischemia injury by inhibiting p53 expression and cardiomyocyte apoptosis. *Acta Biochim Biophys Sin (Shanghai)*. 2020 Oct 30:gmaa104. doi: 10.1093/abbs/gmaa104.
30. Jiao L, Shao Y, Yu Q, Li M, Wang Y, Gong M, Yang X, Liu T, Li Z, Liu H, Zhang Y, Tan Z, Sun L, Xuan L, Yin H, Zhang Y, Cai B, Zhang Y, Yang B. GDF11 replenishment

- protects against hypoxia-mediated apoptosis in cardiomyocytes by regulating autophagy. *Eur J Pharmacol*. 2020 Oct 15;885:173495.
31. Chen X, Ren L, Liu X, Sun X, Dong C, Jiang Y, Qin Y, Qu H, Jiao J, Wang S, Bai Y, Yang B. Ranolazine protects against diabetic cardiomyopathy by activating the NOTCH1/NRG1 pathway. *Life Sci*. 2020 Nov 15;261:118306. doi: 10.1016/j.lfs.2020.118306.
 32. Tian W, Wang Z, Tang N, Li J, Liu Y, Chu W, Yang B. Ascorbic Acid Sensitizes Colorectal Carcinoma to the Cytotoxicity of Arsenic Trioxide *via* Promoting Reactive Oxygen Species-Dependent Apoptosis and Pyroptosis. *Front Pharmacol*. 2020 Feb 21;11:123.
 33. Zhao Y, Zhu J, Liang H, Yang S, Zhang Y, Han W, Chen C, Cao N, Aruhan, Liang P, Du X, Huang J, Wang J, Zhang Y, Yang B. Kang Le Xin Reduces Blood Pressure Through Inducing Endothelial-Dependent Vasodilation by Activating the AMPK-eNOS Pathway. *Front Pharmacol*. 2020 Jan 22;10:1548.
 34. Li A, Yu Y, Ding X, Qin Y, Jiang Y, Wang X, Liu G, Chen X, Yue E, Sun X, Zahra SM, Yan Y, Ren L, Wang S, Chai L, Bai Y, Yang B. MiR-135b protects cardiomyocytes from infarction through restraining the NLRP3/caspase-1/IL-1 β pathway. *Int J Cardiol*. 2020 May 15;307:137-145.
 35. Fu J, Liu Y, Zhang L, Zhou L, Li D, Quan H, Zhu L, Hu F, Li X, Meng S, Yan R, Zhao S, Onwuka JU, Yang B, Sun D, Zhao Y. Nonpharmacologic Interventions for Reducing Blood Pressure in Adults With Prehypertension to Established Hypertension. *J Am Heart Assoc*. 2020 Oct 20;9(19):e016804.
 36. Zhang Y, Du W, Yang B. [Long non-coding RNAs as new regulators of cardiac electrophysiology and arrhythmias: Molecular mechanisms, therapeutic implications and challenges](#). *Pharmacol Ther*. 2019 Nov; 203:107389.
 37. Cai B, Zhang Y, Zhao Y, Wang J, Li T, Zhang Y, Jiang Y, Jin X, Xue G, Li P, Sun Y, Huang Q, Zhang X, Su W, Yang Y, Sun Y, Shi L, Li X, Lu Y, Yang B, Pan Z. [Long Noncoding RNA-DACH1 \(Dachshund Homolog 1\) Regulates Cardiac Function by Inhibiting SERCA2a \(Sarcoplasmic Reticulum Calcium ATPase 2a\)](#). *Hypertension*. 2019 Oct;74(4):833-842.
 38. Shan H, Li T, Zhang L, Yang R, Li Y, Zhang M, Dong Y, Zhou Y, Xu C, Yang B, Liang H, Gao X, Shan H. [Heme oxygenase-1 prevents heart against myocardial infarction by attenuating ischemic injury-induced cardiomyocytes senescence](#). *EBioMedicine*. 2019 Jan; 39: 59-68.
 39. Xiao D, Zhang Y, Wang R, Fu Y, Zhou T, Diao H, Wang Z, Lin Y, Li Z, Wen L, Kang X, Kopylov P, Shchekochikhin D, Zhang Y, Yang B. [Emodin alleviates cardiac fibrosis by suppressing activation of cardiac fibroblasts via upregulating metastasis associated protein 3](#). *Acta Pharm Sin B*. 2019 Jul;9(4):724-733.
 40. Tuguzbaeva G, Yue E, Chen X, He L, Li X, Ju J, Qin Y, Pavlova V, Lu Y, Jia W, Bai Y, Niu Y, Yang B. PEP06 polypeptide 30 is a novel cluster-dissociating agent inhibiting α v integrin/FAK/Src signaling in oral squamous cell carcinoma cells. *Acta Pharm Sin B*. 2019;9(6):1163-1173.
 41. Zhang M, Jiang Y, Guo X, Zhang B, Wu J, Sun J, Liang H, Shan H, Zhang Y, Liu J, Wang Y, Wang L, Zhang R, Yang B, Xu C. [Long non-coding RNA cardiac hypertrophy-associated regulator governs cardiac hypertrophy via regulating miR-20b and the downstream PTEN/AKT pathway](#). *J Cell Mol Med*. 2019 Nov;23(11):7685-7698.
 42. Xiao D, Hu Y, Fu Y, Wang R, Zhang H, Li M, Li Z, Zhang Y, Xuan L, Li X, Xu C, Zhang Y, Yang B. [Emodin improves glucose metabolism by targeting microRNA-20b in insulin-resistant skeletal muscle](#). *Phytomedicine*. 2019 Jun;59:152758.

43. Bian Y, Li X, Pang P, Hu X, Yu S, Liu Y, Li X, Wang N, Wang J, Xiao W, Du W, Yang B. [Kanglexin, a novel anthraquinone compound, protects against myocardial ischemic injury in mice by suppressing NLRP3 and pyroptosis.](#) Acta Pharmacol Sin. 2019 Oct 23. doi: 10.1038/s41401-019-0307-8.
44. Syeda M, Fasae M, Yue E, Ishimwe A, Jiang Y, Du Z, Yang B, Bai Y. [Anthocyanidin attenuates myocardial ischemia induced injury via inhibition of ROS-JNK-Bcl-2 pathway: New mechanism of anthocyanidin action.](#) Phytother Res. 2019 Dec;33(12):3129-3139.
45. Bian Y, Li X, Li X, Ju J, Liang H, Hu X, Dong L, Wang N, Li J, Zhang Y, Yang B. [Daming capsule, a hypolipidaemic drug, lowers blood lipids by activating the AMPK signalling pathway.](#) Biomed Pharmacother. 2019 Sep;117:109176.
46. Wang H, Lv Y, Wang C, Leng D, Yan Y, Blessing Fasae M, Madiha Zahra S, Jiang Y, Wang Z, Yang B, Bai Y. [Systematic Analysis of Intestinal MicroRNAs Expression in HCC: Identification of Suitable Reference Genes in Fecal Samples.](#) Front Genet. 2019 Aug 13;10:687.
47. Qin W, Zhang L, Li Z, Xiao D, Zhang Y, Yang H, Liu X, Zhang H, Chen X, Xu C, Yang B, Zhang Y. [SIRT6-mediated transcriptional suppression of MALAT1 is a key mechanism for endothelial to mesenchymal transition.](#) Int J Cardiol. 2019 Nov 15;295:7-13.
48. Jin X, Jiang Y, Xue G, Yuan Y, Zhu H, Zhan L, Zhuang Y, Huang Q, Shi L, Zhao Y, Li P, Sun Y, Su W, Zhang Y, Yang B, Lu Y, Wang Z, Pan Z. [Increase of late sodium current contributes to enhanced susceptibility to atrial fibrillation in diabetic mice.](#) Eur J Pharmacol. 2019 Aug 15;857:172444.
49. Wang S, Guo Y, Yao D, Liu L, Duan H, Meng L, Yang H, Zhang K, Huang J, Li Q, Xiao W, Wang J, Yang B. [4-Alkyl-5,7-dihydroxycoumarins from the flowering buds of Mesua ferrea.](#) Fitoterapia. 2019 Oct;138:104192.
50. Wang S, Li G, Zhang K, Wang H, Liang H, Huang C, Huang J, Wang J, Yang B. [New ingol-type diterpenes from the latex of Euphorbia resinifera.](#) J Asian Nat Prod Res. 2019 Nov;21(11):1075-1082.
51. Cai B, Ma W, Ding F, Zhang L, Huang Q, Wang X, Hua B, Xu J, Li J, Bi C, Guo S, Yang F, Han Z, Li Y, Yan G, Yu Y, Bao Z, Yu M, Li F, Tian Y, Pan Z, Yang B. The Long Noncoding RNA CAREL Controls Cardiac Regeneration. J Am Coll Cardiol. 2018 Jul 31;72(5):534-550.
52. Zhang Y, Sun L, Xuan L, Pan Z, Hu X, Liu H, Bai Y, Jiao L, Li Z, Cui L, Wang X, Wang S, Yu T, Feng B, Guo Y, Liu Z, Meng W, Ren H, Zhu J, Zhao X, Yang C, Zhang Y, Xu C, Wang Z, Lu Y, Shan H, Yang B. Long non-coding RNA CCRN controls cardiac conduction via regulating intercellular coupling. Nat Commun. 2018 Oct 9;9(1):4176.
53. Yu S, Li L, Tian W, Nie D, Mu W, Qiu F, Liu Y, Liu X, Wang X, Du Z, Chu WF, Yang B. PEP06 polypeptide 30 exerts antitumour effect in colorectal carcinoma via inhibiting epithelial-mesenchymal transition. Br J Pharmacol. 2018 Aug;175(15):3111-3130.
54. Zhao D, Li X, Liang H, Zheng N, Pan Z, Zhou Y, Liu X, Qian M, Xu B, Zhang Y, Feng Y, Qili M, Wu Q, Yang B, Shan H. SNX17 produces anti-arrhythmic effects by preserving functional SERCA2a protein in myocardial infarction. Int J Cardiol. 2018 Dec 1;272:298-305.
55. Chu Q, Li A, Chen X, Qin Y, Sun X, Li Y, Yue E, Wang C, Ding X, Yan Y, Zahra SM, Wang S, Jiang Y, Bai Y, Yang B. Overexpression of miR-135b attenuates pathological cardiac hypertrophy by targeting CACNA1C. Int J Cardiol. 2018 Oct 15;269:235-241.
56. Zhang L, Yin H, Jiao L, Liu T, Gao Y, Shao Y, Zhang Y, Shan H, Zhang Y, Yang B. Abnormal Downregulation of Caveolin-3 Mediates the Pro-Fibrotic Action of

- MicroRNA-22 in a Model of Myocardial Infarction. *Cell Physiol Biochem*. 2018;45(4):1641-1653.
57. Jiang Y, Du W, Chu Q, Qin Y, Tuguzbaeva G, Wang H, Li A, Li G, Li Y, Chai L, Yue E, Sun X, Wang Z, Pavlov V, Yang B, Bai Y. Downregulation of Long Non-Coding RNA *Kcnq1ot1*: An Important Mechanism of Arsenic Trioxide-Induced Long QT Syndrome. *Cell Physiol Biochem*. 2018;45(1):192-202.
 58. Dong N, Liu X, Zhao T, Wang L, Li H, Zhang S, Li X, Bai X, Zhang Y, Yang B. Apoptosis-inducing effects and growth inhibitory of a novel chalcone, in human hepatic cancer cells and lung cancer cells. *Biomed Pharmacother*. 2018 Sep;105:195-203.
 59. Zhang Q, Zhang F, Yang B. Pneumonic plague epidemic in Northeast China in 1910-1911: Dr. Wu Lien-Teh's epidemic preventive system for plague control. *Front Med*. 2018 Feb;12(1):113-115.
 60. Gao Q, Gu Y, Jiang Y, Fan L, Wei Z, Jin H, Yang X, Wang L, Li X, Tai S, Yang B, Liu Y. Long non-coding RNA *Gm2199* rescues liver injury and promotes hepatocyte proliferation through the upregulation of *ERK1/2*. *Cell Death Dis*. 2018 May 22;9(6):602.
 61. Xiao D, Zhou T, Fu Y, Wang R, Zhang H, Li M, Lin Y, Li Z, Xu C, Yang B, Zhang Y, Zhang Y. MicroRNA-17 impairs glucose metabolism in insulin-resistant skeletal muscle via repressing glucose transporter 4 expression. *Eur J Pharmacol*. 2018 Nov 5;838:170-176.
 62. Zhang Y, Jiao L, Sun L, Li Y, Gao Y, Xu C, Shao Y, Li M, Li C, Lu Y, Pan Z, Xuan L, Zhang Y, Li Q, Yang R, Zhuang Y, Zhang Y, Yang B. LncRNA *ZFAS1* as a *SERCA2a* Inhibitor to Cause Intracellular Ca^{2+} Overload and Contractile Dysfunction in a Mouse Model of Myocardial Infarction. *Circ Res*. 2018 May 11;122(10):1354-1368.
 63. Zhang Y, Liu X, Bai X, Lin Y, Li Z, Fu J, Li M, Zhao T, Yang H, Xu R, Li J, Ju J, Cai B, Xu C, Yang B. Melatonin prevents endothelial cell pyroptosis via regulation of long noncoding RNA *MEG3/miR-223/NLRP3* axis. *J Pineal Res*. 2018 Mar;64(2).
 64. Liu Y, Zhao D, Qiu F, Zhang L, Liu S, Li Y, Liu M, Wu D, Wang J, Ding X, Liu Y, Dong C, Shao X, Yang B, Chu W. Manipulating PML SUMOylation via Silencing *UBC9* and *RNF4* Regulates Cardiac Fibrosis. *Mol Ther*. 2017 Mar 1;25(3):666-678.
 65. Zhang Y, Zhang Y, Li T, Wang J, Jiang Y, Zhao Y, Jin X, Xue G, Yang Y, Zhang X, Sun Y, Zhang Z, Gao X, Du Z, Lu Y, Yang B, Pan Z. Ablation of interleukin-17 alleviated cardiac interstitial fibrosis and improved cardiac function via inhibiting long non-coding RNA-*AK081284* in diabetic mice. *J Mol Cell Cardiol*. 2018 Feb;115:64-72.
 66. Xuan L, Sun L, Zhang Y, Huang Y, Hou Y, Li Q, Guo Y, Feng B, Cui L, Wang X, Wang Z, Tian Y, Yu B, Wang S, Xu C, Zhang M, Du Z, Lu Y, Yang B. Circulating long non-coding RNAs *NRON* and *MHRT* as novel predictive biomarkers of heart failure. *J Cell Mol Med*. 2017 Sep;21(9):1803-1814.
 67. Zhang Y, Wang H, Wang Y, Zhang Y, Jin X, Zhao Y, Wang J, Sun Y, Xue G, Li P, Huang Q, Yang B, Pan Z. Increment of late sodium currents in the left atrial myocytes and its potential contribution to increased susceptibility of atrial fibrillation in castrated male mice. *Heart Rhythm*. 2017 Jul;14(7):1073-1080.
 68. Liang H, Pan Z, Zhao X, Liu L, Sun J, Su X, Xu C, Zhou Y, Zhao D, Xu B, Li X, Yang B, Lu Y, Shan H. LncRNA *PFL* contributes to cardiac fibrosis by acting as a competing endogenous RNA of *let-7d*. *Theranostics*. 2018 Feb 2;8(4):1180-1194.
 69. Wu X, Zhang H, Qi W, Zhang Y, Li J, Li Z, Lin Y, Bai X, Liu X, Chen X, Yang H, Xu C, Zhang Y, Yang B. Nicotine promotes atherosclerosis via ROS-NLRP3-mediated endothelial cell pyroptosis. *Cell Death Dis*. 2018 Feb 7;9(2):171.

70. Li J, Zhang Q, Ren C, Wu X, Zhang Y, Bai X, Lin Y, Li M, Fu J, Kopylov P, Wang S, Yu T, Wang N, Xu C, Zhang Y, Yang B. Low-Intensity Pulsed Ultrasound Prevents the Oxidative Stress Induced Endothelial-Mesenchymal Transition in Human Aortic Endothelial Cells. *Cell Physiol Biochem*. 2018;45(4):1350-1365.
71. Su X, Liang H, Wang H, Chen G, Jiang H, Wu Q, Liu T, Liu Q, Yu T, Gu Y, Yang B, Shan H. Over-expression of microRNA-1 causes arrhythmia by disturbing intracellular trafficking system. *Sci Rep*. 2017 Apr 11;7:46259.
72. Qu X, Du Y, Shu Y, Gao M, Sun F, Luo S, Yang T, Zhan L, Yuan Y, Chu W, Pan Z, Wang Z, Yang B, Lu Y. MIAT Is a Pro-fibrotic Long Non-coding RNA Governing Cardiac Fibrosis in Post-infarct Myocardium. *Sci Rep*. 2017 Feb 15;7:42657.
73. Liu Y, Li D, Nie D, Liu S, Qiu F, Liu M, Li Y, Wang J, Liu Y, Dong C, Wu D, Tian W, Yang J, Mu W, Li J, Zhao D, Wang X, Chu W, Yang B. Arsenic trioxide and angiotensin II have inhibitory effects on HERG protein expression: Evidence for the role of PML SUMOylation. *Oncotarget*. 2017 Jul 11;8(28):45447-45458.
74. Bai Y, Zhang L, Jiang Y, Ju J, Li G, Xu J, Jiang X, Zhang P, Lang L, Sadkovaya O, Glybochko P, Zhang W, Yang B. Identification and Functional Verification of MicroRNAs in the Obese Rat With Erectile Dysfunction. *Sex Med*. 2017 Dec;5(4):e261-e271.
75. Jiang Y, Du W, Chu Q, Qin Y, Tuguzbaeva G, Wang H, Li A, Li G, Li Y, Chai L, Yue E, Sun X, Wang Z, Pavlov V, Yang B, Bai Y. Downregulation of Long Non-Coding RNA *Kcnq1ot1*: An Important Mechanism of Arsenic Trioxide-Induced Long QT Syndrome. *Cell Physiol Biochem*. 2018;45(1):192-202.
76. Zhang Q, Zhang F, Yang B. Pneumonic plague epidemic in Northeast China in 1910-1911: Dr. Wu Lien-Teh's epidemic preventive system for plague control. *Front Med*. 2018 Feb;12(1):113-115.
77. Cai B, Ma W, Bi C, Yang F, Zhang L, Han Z, Huang Q, Ding F, Li Y, Yan G, Pan Z, Yang B, Lu Y. Long noncoding RNA H19 mediates melatonin inhibition of premature senescence of c-kit(+) cardiac progenitor cells by promoting miR-675. *J Pineal Res*. 2016 Aug;61(1):82-95.
78. Zhang Y, Sun L, Xuan L, Pan Z, Li K, Liu S, Huang Y, Zhao X, Huang L, Wang Z, Hou Y, Li J, Tian Y, Yu J, Han H, Liu Y, Gao F, Zhang Y, Wang S, Du Z, Lu Y, Yang B. Reciprocal Changes of Circulating Long Non-Coding RNAs *ZFAS1* and *CDR1AS* Predict Acute Myocardial Infarction. *Sci Rep*. 2016 Mar 1;6:22384. doi: 10.1038/srep22384.
79. Zhao Y, Zhang X, Li J, Bian Y, Sheng M, Liu B, Fu Z, Zhang Y, Yang B. Jujuboside B Reduces Vascular Tension by Increasing Ca²⁺ Influx and Activating Endothelial Nitric Oxide Synthase. *PLoS One*. 2016 Feb 22;11(2):e0149386. doi: 10.1371/journal.pone.0149386. eCollection 2016.
80. Zhang Y, Wu X, Li Y, Zhang H, Li Z, Zhang Y, Zhang L, Ju J, Liu X, Chen X, Glybochko P, Nikolenko V, Kopylov P, Xu C, Yang B. Endothelial to mesenchymal transition contributes to arsenic-trioxide-induced cardiac fibrosis. *Sci Rep*. 2016 Sep 27;6:33787.
81. Zhang Y, Wang J, Zhang Y, Wang Y, Wang J, Zhao Y, Jin X, Xue G, Li P, Sun Y, Huang Q, Song X, Zhang Z, Gao X, Yang B, Du Z, Pan Z. Deletion of interleukin-6 alleviated interstitial fibrosis in streptozotocin-induced diabetic cardiomyopathy of mice through affecting TGFβ1 and miR-29 pathways. *Sci Rep*. 2016 Mar 14;6:23010.
82. Zhang Y, Li X, Li J, Zhang Q, Chen X, Liu X, Zhang Y, Zhang H, Yang H, Hu Y, Wu X, Li X, Ju J, Yang B. The anti-hyperglycemic efficacy of a lipid-lowering drug Daming

capsule and the underlying signaling mechanisms in a rat model of diabetes mellitus. *Sci Rep*. 2016 Oct 10;6:34284.

83. Huang L, Liang H, Wang G, Su X, Li L, Du Z, Hu M, Dong Y, Bai X, Liu T, Yang B, Shan H. miR-183 regulates autophagy and apoptosis in colorectal cancer through targeting of UVRAG. *Oncotarget*. 2016 Jan 26;7(4):4735-45.

84. Zhou F, Li Y, Hao Z, Liu X, Chen L, Cao Y, Liang Z, Yuan F, Liu J, Wang J, Zheng Y, Dong D, Bian S, Yang B, Jiang C, Li Q. MicroRNA-300 inhibited glioblastoma progression through ROCK1. *Oncotarget*. 2016 Jun 14;7(24):36529-36538.

85. Liu X, Zhang Y, Du W, Liang H, He H, Zhang L, Pan Z, Li X, Xu C, Zhou Y, Wang L, Qian M, Liu T, Yin H, Lu Y, Yang B, Shan H. MiR-223-3p as a Novel MicroRNA Regulator of Expression of Voltage-Gated K⁺ Channel Kv4.2 in Acute Myocardial Infarction. *Cell Physiol Biochem*. 2016;39(1):102-14.

86. Chu Q, Jiang Y, Zhang W, Xu C, Du W, Tuguzbaeva G, Qin Y, Li A, Zhang L, Sun G, Cai Y, Feng Q, Li G, Li Y, Du Z, Bai Y, Yang B. Pyroptosis is involved in the pathogenesis of human hepatocellular carcinoma. *Oncotarget*. 2016 Dec 20;7(51):84658-84665.

87. Guan X, Wang L, Liu Z, Guo X, Jiang Y, Lu Y, Peng Y, Liu T, Yang B, Shan H, Zhang Y, Xu C. miR-106a promotes cardiac hypertrophy by targeting mitofusin 2. *J Mol Cell Cardiol*. 2016 Oct;99:207-217.

88. Yin H, Liu T, Zhang Y, Yang B. Caveolin proteins: a molecular insight into disease. *Front Med*. 2016 Dec;10(4):397-404.

89. Cai B, Ma W, Bi C, Yang F, Zhang L, Han Z, Huang Q, Ding F, Li Y, Yan G, Pan Z, Yang B, Lu Y. Long noncoding RNA H19 mediates melatonin inhibition of premature senescence of c-kit(+) cardiac progenitor cells by promoting miR-675. *J Pineal Res*. 2016 Aug;61(1):82-95.

90. Harada M, Luo X, Murohara T, Yang B, Dobrev D, Nattel S. MicroRNA regulation and cardiac calcium signaling: Role in cardiac disease and therapeutic potential. *Circ Res*. 2014;114:689-705.

91. Luo X, Yang B, Nattel S. MicroRNAs and atrial fibrillation: Mechanisms and translational potential. *Nat Rev Cardiol*. 2015;12:80-90.

92. Pan Z, Lu Y, Yang B. Advances in exploring the role of microRNAs in the pathogenesis, diagnosis and therapy of cardiac diseases in china. *Br J Pharmacol*. 2015;172:5435-5443.

93. Wang X, Ji Y, Yang B. Chinese innovation in cardiovascular drug discovery. *Br J Pharmacol*. 2015;172:5425-5429.

94. Gao F, Sun R, Ji Y, Yang B. Cardiovascular research is thriving in china. *Br J Pharmacol*. 2015;172:5430-5434.

95. Pan Z, Lu Y, Yang B. Advances in exploring the role of microRNAs in the pathogenesis, diagnosis and therapy of cardiac diseases in china. *Br J Pharmacol*. 2015;172:5435-5443.

96. Qin W, Du N, Zhang L, Wu X, Hu Y, Li X, Shen N, Li Y, Yang B, Xu C, Fang Z, Lu Y, Zhang Y, Du Z. Genistein alleviates pressure overload-induced cardiac dysfunction and interstitial fibrosis in mice. *Br J Pharmacol*. 2015;172:5559-5572.

97. Luo X, Yang B, Nattel S. MicroRNAs and atrial fibrillation: Mechanisms and translational potential. *Nat Rev Cardiol*. 2015;12:80-90.

98. Zhang Y, Qin W, Zhang L, Wu X, Du N, Hu Y, Li X, Shen N, Xiao D, Zhang H, Li Z, Yang H, Gao F, Du Z, Xu C, Yang B. MicroRNA-26a prevents endothelial cell apoptosis by directly targeting *trpc6* in the setting of atherosclerosis. *Sci Rep.* 2015;5:9401.
99. Huang L, Liang H, Wang G, Su X, Li L, Du Z, Hu M, Dong Y, Bai X, Liu T, Yang B, Shan H. Mir-183 regulates autophagy and apoptosis in colorectal cancer through targeting of *uvrag*. *Oncotarget.* 2015.
100. Wang L, Yuan Y, Li J, Ren H, Cai Q, Chen X, Liang H, Shan H, Fu Z, Gao X, Lv Y, Yang B, Zhang Y. MicroRNA-1 aggravates cardiac oxidative stress by post-transcriptional modification of the antioxidant network. *Cell Stress Chaperones.* 2015;20:411-420.
101. Gitau S, Li X, Zhao D, Guo Z, Liang H, Qian M, Lv L, Li T, Xu B, Wang Z, Zhang Y, Xu C, Lu Y, Du Z, Shan H, Yang B. Acetyl salicylic acid attenuates cardiac hypertrophy through wnt signaling. *Front Med.* 2015;9:444-456.
102. Cai B, Tan X, Zhang Y, Li X, Wang X, Zhu J, Wang Y, Yang F, Wang B, Liu Y, Xu C, Pan Z, Wang N, Yang B, Lu Y. Mesenchymal stem cells and cardiomyocytes interplay to prevent myocardial hypertrophy. *Stem Cells Transl Med.* 2015;4:1425-1435.
103. Dong X, Liu S, Zhang L, Yu S, Huo L, Qile M, Liu L, Yang B, Yu J. Downregulation of mir-21 is involved in direct actions of ursolic acid on the heart: Implications for cardiac fibrosis and hypertrophy. *Cardiovasc Ther.* 2015;33:161-167.
104. Xing Y, Zheng X, Li G, Liao L, Cao W, Xing H, Shen T, Sun L, Yang B, Zhu D. MicroRNA-30c contributes to the development of hypoxia pulmonary hypertension by inhibiting platelet-derived growth factor receptor beta expression. *Int J Biochem Cell Biol.* 2015;64:155-166.
105. Liang H, Gu Y, Li T, Zhang Y, Huangfu L, Hu M, Zhao D, Chen Y, Liu S, Dong Y, Li X, Lu Y, Yang B, Shan H. Integrated analyses identify the involvement of microRNA-26a in epithelial-mesenchymal transition during idiopathic pulmonary fibrosis. *Cell Death Dis.* 2014 May 22;5:e1238.
106. Zhang K, Zhi D, Huang T, Gong Y, Yan M, Liu C, Wei T, Dong Z, Li B, Yang B. Berberine induces hERG channel deficiency through trafficking inhibition. *Cell Physiol Biochem.* 2014;34:691-702.
107. Wang L, Li L, Guo R, Li X, Lu Y, Guan X, Gitau S, Xu C, Yang B, Shan H. Mir-101 promotes breast cancer cell apoptosis by targeting janus kinase 2. *Cell Physiol Biochem.* 2014;34:413-422.
108. Wang L, Li X, Zhou Y, Shi H, Xu C, He H, Wang S, Xiong X, Zhang Y, Du Z, Zhang R, Lu Y, Yang B, Shan H. Downregulation of mir-133 via mapk/erk signaling pathway involved in nicotine-induced cardiomyocyte apoptosis. *Naunyn Schmiedebergs Arch Pharmacol.* 2014;387:197-206.
109. Li C, Li X, Gao X, Zhang R, Zhang Y, Liang H, Xu C, Du W, Liu X, Ma N, Xu Z, Wang L, Chen X, Lu Y, Ju J, Yang B, Shan H. MicroRNA-328 as a regulator of cardiac hypertrophy. *Int J Cardiol.* 2014;173:268-276.
110. Che H, Sun L, Guo F, Niu H, Su X, Bao Y, Fu Z, Liu H, Hou X, Yang B, Ai J. Expression of amyloid-associated mirnas in both the forebrain cortex and hippocampus of middle-aged rat. *Cell Physiol Biochem.* 2014;33:11-22.
111. Harada M, Luo X, Murohara T, Yang B, Dobrev D, Nattel S. MicroRNA regulation and cardiac calcium signaling: Role in cardiac disease and therapeutic potential. *Circ Res.* 2014;114:689-705.

112. Liang H, Xu C, Pan Z, Zhang Y, Xu Z, Chen Y, Li T, Li X, Liu Y, Huang L, Lu Y, Zhang Z, Yang B, Gitau S, Shan H, Du Z. The antifibrotic effects and mechanisms of microRNA-26a action in idiopathic pulmonary fibrosis. *Mol Ther*. 2014;22:1122-1133.
113. Zhang Y, Li X, Zhang Q, Li J, Ju J, Du N, Liu X, Chen X, Cheng F, Yang L, Xu C, Bilal M, Wei Y, Lu Y, Yang B. Berberine hydrochloride prevents postsurgery intestinal adhesion and inflammation in rats. *J Pharmacol Exp Ther*. 2014;349:417-426. **Cover Article**
114. Gao F, Sun R, Ji Y, Yang B. Cardiovascular research is thriving in china. *Br J Pharmacol*. 2014.
115. Li X, Wang B, Cui H, Du Y, Song Y, Yang L, Zhang Q, Sun F, Luo D, Xu C, Chu W, Lu Y, Yang B. Let-7e replacement yields potent anti-arrhythmic efficacy via targeting beta 1-adrenergic receptor in rat heart. *J Cell Mol Med*. 2014;18:1334-1343.
116. Wang H, Cao F, Li J, Li L, Li Y, Shi C, Lan W, Li D, Zhao H, Zhang Y, Zhang Z, Liu X, Meng R, Yang B, Zhou J. Arsenic trioxide and mannitol for the treatment of acute promyelocytic leukemia relapse in the central nervous system. *Blood*. 2014;124:1998-2000.
117. Ai J, Sun L, Che H, Zhang R, Zhang T, Wu W, Su X, Chen X, Yang G, Li K, Wang N, Ban T, Bao Y, Guo F, Niu H, Zhu Y, Zhu X, Zhao S, Yang B. MicroRNA-195 protects against dementia induced by chronic brain hypoperfusion via its anti-amyloidogenic effect in rats. *J Neurosci*. 2013;33:3989-4001.
118. Liang H, Xu C, Pan Z, Zhang Y, Xu Z, Chen Y, Li T, Li X, Liu Y, Huangfu L, Lu Y, Zhang Z, Yang B, Samuel G, Shan H, Du Z. The anti-fibrotic effects and mechanisms of microRNA-26a in idiopathic pulmonary fibrosis. *Mol Ther*. 2014.
119. Zhang R, Niu H, Ban T, Xu L, Li Y, Wang N, Sun L, Ai J, Yang B. Elevated plasma microRNA-1 predicts heart failure after acute myocardial infarction. *Int J Cardiol*. 2013;166:259-260.
120. Liu Z, Xu Y, Duo L, Liu Y, Xu Z, Burns J, Liu G, Yang B, Liu S. *Pseudomonas aeruginosa* isolates of distinct sub-genotypes exhibit similar potential of antimicrobial resistance by drugs exposure. *Antonie Van Leeuwenhoek*. 2013;103:797-807.
121. Liu J, Yang B, Ai J. Advance in research of microRNA in *Caenorhabditis elegans*. *J Cell Biochem*. 2013;114:994-1000.
122. Liang H, Li X, Wang L, Yu S, Xu Z, Gu Y, Pan Z, Li T, Hu M, Cui H, Liu X, Zhang Y, Xu C, Guo R, Lu Y, Yang B, Shan H. MicroRNAs contribute to promyelocyte apoptosis in *As2O3*-treated *APL* cells. *Cell Physiol Biochem*. 2013;32:1818-1829.
123. Che H, Sun L, Guo F, Niu H, Su X, Bao Y, Fu Z, Liu H, Hou X, Yang B, Ai J. Expression of amyloid-associated miRNAs in both the forebrain cortex and hippocampus of middle-aged rat. *Cell Physiol Biochem*. 2014;33:11-22.
124. Wang L, Li X, Zhou Y, Shi H, Xu C, He H, Wang S, Xiong X, Zhang Y, Du Z, Zhang R, Lu Y, Yang B, Shan H. Downregulation of mir-133 via mapk/erk signaling pathway involved in nicotine-induced cardiomyocyte apoptosis. *Naunyn Schmiedeberg's Arch Pharmacol*. 2014;387:197-206.
125. Shan H, Zhang Y, Cai B, Chen X, Fan Y, Yang L, Liang H, Song X, Xu C, Lu Y, Yang B, Du Z. Upregulation of microRNA-1 and microRNA-133 contributes to arsenic-induced cardiac electrical remodeling. *Int J Cardiol*. 2013;167:2798-2805.
126. Sun B, Huo R, Sheng Y, Li Y, Xie X, Chen C, Liu H, Li N, Li C, Guo W, Zhu J, Yang B, Dong D. Bone morphogenetic protein-4 mediates cardiac hypertrophy, apoptosis, and fibrosis in experimentally pathological cardiac hypertrophy. *Hypertension*. 2013;61:352-360.

127. Xu L, Yang B, Ai J. MicroRNA transport: A new way in cell communication. *J Cell Physiol.* 2013;228:1713-1719.
128. Zhang Y, Sun L, Liang H, Li X, Cai R, Wang L, Du W, Zhang R, Li J, Wang Z, Ma N, Wang X, Du Z, Yang B, Gao X, Shan H. Overexpression of microRNA-1 causes atrioventricular block in rodents. *Int J Biol Sci.* 2013;9:455-462.
129. Li C, Qu X, Xu W, Qu N, Mei L, Liu Y, Wang X, Yu X, Liu Z, Nie D, Yan J, Yang B, Lu Y, Chu W. Arsenic trioxide induces cardiac fibroblast apoptosis in vitro and in vivo by up-regulating *tgf-beta1* expression. *Toxicol Lett.* 2013;219:223-230.
130. Zhang Y, Dong Z, Jin L, Zhang K, Zhao X, Fu J, Gong Y, Sun M, Yang B, Li B. Arsenic trioxide-induced *herg k(+)* channel deficiency can be rescued by matrine and oxymatrine through up-regulating transcription factor *sp1* expression. *Biochem Pharmacol.* 2013;85:59-68.
131. Liu J, Wang N, Xie F, Sun L, Chen Q, Ye J, Cai B, Yang B, Ai J. Blockage of peripheral *npy y1* and *y2* receptors modulates baroreflex sensitivity of diabetic rats. *Cell Physiol Biochem.* 2013;31:421-431.
132. Jing M, Li B, Hou X, Shoba J, Li C, Liang H, Zhang X, Liu E, Yang B, Meng X. *Opn* gene polymorphism and the serum *opn* levels confer the susceptibility and prognosis of ischemic stroke in chinese patients. *Cell Physiol Biochem.* 2013;32:1798-1807.
133. Liu Y, Geng J, Li Y, Shen J, Xiao X, Sheng L, Yang B, Cheng C, Li W. *Beta3*-adrenoceptor mediates metabolic protein remodeling in a rabbit model of tachypacing-induced atrial fibrillation. *Cell Physiol Biochem.* 2013;32:1631-1642.
134. Niu H, Xu L, Yan Y, Xie F, Yang B, Ai J. Inhibition of peripheral *npy y1* and *y2* receptors ameliorates the aberrant baroreceptor reflex sensitivity in streptozotocin induced diabetic rats. *Sheng Li Xue Bao.* 2013;65:370-380.
135. Liang H, Zhang C, Ban T, Liu Y, Mei L, Piao X, Zhao D, Lu Y, Yang B*. A novel reciprocal loop between microRNA-21 and TGF β -RIII is involved in cardiac fibrosis. *Int J Biochem Cell Biol.* 2012; 44(12): 2152-60.
136. Chu W, Li C, Qu X, Zhao D, Wang X, Yu X, Cai F, Liang H, Zhang Y, Zhao X, Li B, Qiao G, Dong D, Lu Y, Du Z, Yang B*. Arsenic-induced interstitial myocardial fibrosis reveals a new insight into drug-induced long QT syndrome. *Cardiovasc Res.* 2012; 96(1): 90-8.
137. Pan Z, Sun X, Shan H, Wang N, Wang J, Ren J, Feng S, Xie L, Lu C, Yuan Y, Zhang Y, Wang Y, Lu Y, Yang B*. MicroRNA-101 inhibited postinfarct cardiac fibrosis and improved left ventricular compliance via the FBJ osteosarcoma oncogene/transforming growth factor- β 1 pathway. *Circulation.* 2012; 126(7): 840-50.

Comments in Circulation. 2012;126(7):800-2.

138. Ai J, Zhang R, Gao X, Niu H, Wang N, Xu Y, Li Y, Ma N, Sun L, Pan Z, Li W, Yang B*. Overexpression of microRNA-1 impairs cardiac contractile function by damaging sarcomere assembly. *Cardiovasc Res.* 2012;95(3):385-93.
139. Zhang R, Niu H, Ban T, Xu L, Li Y, Wang N, Sun L, Ai J*, Yang B*. Elevated plasma microRNA-1 predicts heart failure after acute myocardial infarction. *Int J Cardiol.* 2012 Oct 15.
140. Chu W, Wan L, Zhao D, Qu X, Cai F, Huo R, Wang N, Zhu J, Zhang C, Zheng F, Cai R, Dong D, Lu Y, Yang B*. Mild hypoxia-induced cardiomyocyte hypertrophy via up-regulation of HIF-1 α -mediated TRPC signalling. *J Cell Mol Med.* 2012 Sep;16(9):2022-34.

141. Yang Y, Piao X, Zhang M, Wang X, Xu B, Zhu J, Fang Z, Hou Y, Lu Y, Yang B*. Bioactivity-guided fractionation of the triglyceride-lowering component and in vivo and in vitro evaluation of hypolipidemic effects of Calyx seu Fructus Physalis. *Lipids Health Dis.* 2012 Mar 14;11:38.
142. Shao M, Sun S, Li M, Li B, Yu H, Shen Z, Ren Y, Hao Z, Chang N, Peng H, Yang B. The liposomal daunorubicin plus tamoxifen: improving the stability, uptake, and biodistribution of carriers. *J Liposome Res.* 2012 Jun;22(2):168-76.
143. Shan H, Zhang Y, Cai B, Chen X, Fan Y, Yang L, Chen X, Liang H, Zhang Y, Song X, Xu C, Lu Y, Yang B, Du Z*. Upregulation of microRNA-1 and microRNA-133 contributes to arsenic-induced cardiac electrical remodeling. *Int J Cardiol.* 2012 Aug 10.
144. Sun B, Huo R, Sheng Y, Li Y, Xie X, Chen C, Liu H, Li N, Li C, Guo W, Zhu J, Yang B, Dong D*. Bone morphogenetic protein-4 mediates cardiac hypertrophy, apoptosis, and fibrosis in experimentally pathological cardiac hypertrophy. *Hypertension.* 2013 Feb;61(2):352-60.
145. Cai B, Li J, Wang J, Luo X, Ai J, Liu Y, Wang N, Liang H, Zhang M, Chen N, Wang G, Xing S, Zhou X, Yang B, Wang X, Lu Y*. microRNA-124 Regulates Cardiomyocyte Differentiation of Bone Marrow-Derived Mesenchymal Stem Cells Via Targeting STAT3 Signaling. *Stem Cells.* 2012 Aug;30(8):1746-55.
146. Zhu J, Xie R, Piao X, Hou Y, Zhao C, Qiao G, Yang B, Shi J*, Lu Y*. Homocysteine enhances clot-promoting activity of endothelial cells via phosphatidylserine externalization and microparticles formation. *Amino Acids.* 2012 Sep;43(3):1243-50.
147. Wang N, Yang C, Xie F, Sun L, Su X, Wang Y, Wei R, Zhang R, Li X, Yang B, Ai J*. Gadd45 α : a novel diabetes-associated gene potentially linking diabetic cardiomyopathy and baroreflex dysfunction. *PLoS One.* 2012;7(12):e49077.
148. Pan Z*, Sun X, Ren J, Li X, Gao X, Lu C, Zhang Y, Sun H, Wang Y, Wang H, Wang J, Xie L, Lu Y*, Yang B. miR-1 exacerbates cardiac ischemia-reperfusion injury in mouse models. *PLoS One.* 2012;7(11):e50515.
149. Li Q, Zhang Y, Sheng Y, Huo R, Sun B, Teng X, Li N, Zhu J, Yang B, Dong D*. Large T-antigen up-regulates Kv4.3 K⁺ channels through Sp1, and Kv4.3 K⁺ channels contribute to cell apoptosis and necrosis through activation of calcium/calmodulin-dependent protein kinase II. *Biochem J.* 2012 Feb 1;441(3):859-67.
150. Zhang R, Niu H, Wang N, Sun L, Xu Y, Zhao R, Ban X, Yu Y, Yang B, Ai J*. Daming capsule restores endothelial dysfunction induced by high-fat diet. *BMC Complement Altern Med.* 2012 Mar 24;12(1):21.
151. Dong Z, Zhao X, Gu D, Shi Y, Zhang J, Hu X, Hu M, Yang B, Li B. Comparative effects of liensinine and neferine on the human ether-a-go-go-related gene potassium channel and pharmacological activity analysis. *Cell Physiol Biochem.* 2012;29(3-4):431-42.
152. Bai S, Sun J, Wu H, Zhang N, Li H, Li G, Li H, He W, Zhang W, Zhao Y, Wang L, Tian Y, Yang B, Yang G, Wu L, Wang R, Xu C*. Decrease in calcium-sensing receptor in the progress of diabetic cardiomyopathy. *Diabetes Res Clin Pract.* 2012;95: 378-385.
153. Gan R, Hu G, Zhao Y, Li H, Jin Z, Ren H, Dong S, Zhong X, Li H, Yang B, Xu C, Lu F*, Zhang W*. Post-conditioning protecting rat cardiomyocytes from apoptosis via

attenuating calcium-sensing receptor-induced endo(sarco)plasmic reticulum stress. *Mol Cell Biochem.* 2012 Feb;361(1-2):123-34.

154. Li Y, Shi J, Yang B, Han C, Li W, Dong D, Pan Z, Liu G, Geng J, Sheng L, Tan X, Liu L, Sun D, Gong Z*, Gong Y*. Ketamine-induced Ventricular Structural, Sympathetic and Electrophysiologic Remodeling: Pathological Consequences and Protective Effects of Metoprolol. *Br J Pharmacol.* 2012; 165:1748–1756.

155. Song S, Wang C, Qi S, Xing L, Yang B, Oite T, Li B*. Angiotensin receptor blockade attenuates glomerulosclerosis progression by promoting VEGF expression and bone marrow-derived cells recruitment. *Nephrol Dial Transplant.* 2012 Jul;27(7):2712-9.

156. Hai X, Yang B, Van Schepdael A*. Recent developments and applications of EMMA in enzymatic and derivatization reactions. *Electrophoresis.* 2012 Jan;33(1): 211-27.

157. Liu Y, Sun L, Pan Z, Bai Y, Wang N, Zhao J, Xu C, Li Z, Li B, Du Z, Lu Y, Gao X, Yang B*. Overexpression of m(3) muscarinic receptor is a novel strategy for preventing sudden cardiac death in transgenic mice. *Mol Med.* 2011;17(11-12): 1179-87. doi: 10.2119/molmed.2011.00093.

158. Chu W, Li X, Li C, Wan L, Shi H, Song X, Liu X, Chen X, Zhang C, Shan H, Lu Y, Yang B*. TGFBR3, a potential negative regulator of TGF- β signaling, protects cardiac fibroblasts from hypoxia-induced apoptosis. *J Cell Physiol.* 2011 Oct;226(10): 2586-94. doi: 10.1002/jcp.22604.

159. Chu W, Wan L, Zhao D, Qu X, Cai F, Huo R, Wang N, Zhu J, Zhang C, Zheng F, Cai R, Dong D, Lu Y, Yang B*. Mild hypoxia induced cardiomyocyte hypertrophy via up-regulation of HIF-1 α -mediated TRPC signaling. *J Cell Mol Med.* 2011 Nov 30.

160. Dong D, Yang B*. Role of microRNAs in cardiachypertrophy, myocardialfibrosis and heartfailure. *ActaPharmSinB*, 1 (2011), pp. 1–7.

161. Zhang Y, Dong D, Yang B*. Atrial remodeling in atrial fibrillation and association between microRNA network and atrial fibrillation. *Sci China Life Sci.* 2011 Dec;54(12):1097-102.

162. Li H, Guo J, Gao J, Han L, Jiang C, Li H, Bai S, Zhang W, Li G, Wang L, Li H, Zhao Y, Lin Y, Tian Y, Yang G, Wang R, Wu L, Yang B*, Xu C*. Role of dopamine D2 receptors in ischemia/reperfusion induced apoptosis of cultured neonatal rat cardiomyocytes. *J Biomed Sci.* 2011 Feb 16;18(1):18.

163. Lin H, Li Z, Chen C, Luo X, Xiao J, Dong D, Lu Y, Yang B*, Wang Z*. Transcriptional and post-transcriptional mechanisms for oncogenic overexpression of ether à go-go K⁺ channel. *PLoS One.* 2011;6(5):e20362.

164. Zhang Y, Sun X, Zhang Y, Wang J, Lu Y, Yang B, Wang Z. Potential therapeutic value of antioxidants for abnormal prolongation of QT interval and the associated arrhythmias in a rabbit model of diabetes. *Cell Physiol Biochem.* 2011;28(1):97-102.

165. Wang Z*, Lu Y, Yang B*. MicroRNAs and atrial fibrillation: new fundamentals. *Cardiovasc Res.* 2011 Mar 1;89(4):710-21. Epub 2010 Nov 4. Review.

166. de Bruyn M, Wei Y, Wiersma VR, Samplonius DF, Klip HG, van der Zee AG, Yang B, Helfrich W, Bremer E. Cell surface delivery of TRAIL strongly augments the tumoricidal activity of T cells. *Clin Cancer Res.* 2011 Sep 1;17(17):5626-37.

167. Pan Z, Zhao W, Zhang X, Wang B, Wang J, Sun X, Liu X, Feng S, Yang B, Lu Y*. Scutellarin alleviates interstitial fibrosis and cardiac dysfunction of infarct rats by inhibiting

- TGF β 1 expression and activation of p38-MAPK and ERK1/2. *Br J Pharmacol*. 2011 Feb;162(3):688-700. doi: 10.1111/j.1476-5381.2010.01070.x.
168. Cai B, Gong D, Chen N, Li J, Wang G, Lu Y*, Yang B. The negative inotropic effects of homocysteine were prevented by matrine via the regulating intracellular calcium level. *Int J Cardiol*. 2011 Jul 1;150(1):113-5. Epub 2011 May 18.
169. Zhu J, Xie R, Piao X, Hou Y, Zhao C, Qiao G, Yang B, Shi J*, Lu Y*. Homocysteine enhances clot-promoting activity of endothelial cells via phosphatidylserine externalization and microparticles formation. *Amino Acids* 2011 Dec 13.
170. Tan X, Li J, Wang X, Chen N, Cai B, Wang G, Shan H, Dong D, Liu Y, Li X, Yang F, Li X, Zhang P, Li X, Yang B, Lu Y*. Tanshinone IIA protects against cardiac hypertrophy via inhibiting calcineurin/NFATc3 pathway. *Int J Biol Sci*. 2011 Apr 7;7(3):383-9.
171. Cai B, Mu X, Gong D, Jiang S, Li J, Meng Q, Bai Y, Liu Y, Wang X, Tan X, Yang B, Lu Y*. Difference of sodium currents between pediatric and adult human atrial myocytes: evidence for developmental changes of sodium channels. *Int J Biol Sci*. 2011;7(6):708-14. Epub 2011 Jun 1.
172. Bai Y, Liu H, Sun B, Zhang Y, Li Q, Hu C, Zhu J, Gong D, Teng X, Zhang Q, Yang B, Dong D*. HIV Tat protein inhibits hERG K⁺ channels: a potential mechanism of HIV infection induced LQTS. *J Mol Cell Cardiol*. 2011 Nov;51(5): 876-80.
173. Gao X, Liu H, Wu J, Liang J, Zhou L, Zhao L, Chen C, Tong Y, Gong D, Nakajima O, Yang B, Dong D. Heme oxygenase-1 transgenic overexpression did not prevent artery injury induced by electric stimulation and pressure overload in mice. *Eur J Pharmacol*. 2011 Jun 1;659(2-3):199-205.
174. Chen C, Huo R, Tong Y, Sheng Y, Liu H, Gao X, Nakajima O, Yang B, Dong D*. Systemic Heme Oxygenase-1 Transgenic Overexpression Aggravates Pressure Overload-induced Cardiac Hypertrophy in Mice. *Cell Physiol Biochem*. 2011;28(1):25-32. Epub 2011 Aug 16.
175. Li Z, Xu Z, Liang J, Wu J, Hu C, Xie H, Ma W, Jiang H, Yang B, Dong D*. Tetraethylammonium enhances the rectal and colonic motility in rats and human in vitro. *Naunyn Schmiedebergs Arch Pharmacol*. 2011 Aug;384(2):147-55.
176. Liu H, Yang B, Dong D*. Calcineurin and electrical remodeling in pathologic cardiac hypertrophy. *Trends Cardiovasc Med*. 2010 Jul;20(5):148-53. Review.
177. Xie F, Sun C, Sun L, Li J, Chen X, Che H, Lu G, Yang B, Ai J*. Influence of fluvastatin on cardiac function and baroreflex sensitivity in diabetic rats. *Acta Pharmacol Sin*. 2011 Mar;32(3):321-8.
178. Li G, Xing W, Bai S, Hao J, Guo J, Li H, Li H, Zhang W, Yang B, Wu L, Wang R, Yang G, Xu C*. The calcium-sensing receptor mediates hypoxia-induced proliferation of rat pulmonary artery smooth muscle cells through MEK1/ERK1,2 and PI3K pathways. *Basic Clin Pharmacol Toxicol*. 2011 Mar;108(3):185-93. doi: 10.1111/j.1742-7843.2010.00639.x.
179. Zheng H, Liu J, Liu C, Lu F, Zhao Y, Jin Z, Ren H, Leng X, Jia J, Hu G, Dong S, Zhong X, Li H, Yang B, Xu C, Zhang W. Calcium-sensing receptor activating phosphorylation of PKC δ translocation on mitochondria to induce cardiomyocyte apoptosis during ischemia/reperfusion. *Mol Cell Biochem*. 2011 Dec;358(1-2):335-43.
180. Yang G, Zhang R, Chen X, Mu Y, Ai J, Shi C, Liu Y, Shi C, Sun L, Rainov NG, Li H, Yang B, Zhao S*. MiR-106a inhibits glioma cell growth by targeting E2F1 independent of p53 status. *J Mol Med (Berl)*. 2011 Oct;89(10):1037-50.

181. Yu J, Li W, Li Y, Zhao J, Wang L, Dong D, Pan Z, Yang B. Activation of $\beta(3)$ -adrenoceptor promotes rapid pacing-induced atrial electrical remodeling in rabbits. *Cell Physiol Biochem*. 2011;28(1):87-96.
182. Bu L, Li R, Jin Z, Wen X, Liu S, Yang B, Shen B, Chen X. Evaluation of (99) (m)Tc-N-MPO as a new myocardial perfusion imaging agent in normal dogs and in an acute myocardial infarction canine model: comparison with (99) (m)Tc-sestamibi. *Mol Imaging Biol*. 2011 Feb;13(1):121-7.
183. Song S, Wang C, Qi S, Xing L, Yang B, Oite T, Li B. Angiotensin receptor blockade attenuates glomerulosclerosis progression by promoting VEGF expression and bone marrow-derived cells recruitment. *Nephrol Dial Transplant*. 2012 Jul;27(7):2712-9.
184. Cheng X, Shi L, Nie S, Wang F, Li X, Xu C, Wang P, Yang B, Li Q, Pan Z, Li Y, Xia H, Zheng C, Ke Y, Wu Y, Tang T, Yan X, Yang Y, Xia N, Yao R, Wang B, Ma X, Zeng Q, Tu X*, Liao Y*, Wang QK*. The same chromosome 9p21.3 locus is associated with type 2 diabetes and coronary artery disease in a Chinese Han population. *Diabetes*. 2011 Feb;60(2):680-4.
185. Fu F, Zhao M, Yang Y, Tong G, Yang B, Song C, Li X*. Antiproliferative effect of newcastle disease virus strain D90 on human lung cancer cell line A549. *Oncol Res*. 2011;19(7):323-33.
186. Hu M, Dong Z, Zhao W, Sun J, Zhao X, Gu D, Zhang Y, Li B, Yang B. The novel mechanism of oxymatrine affecting HERG currents at different temperatures. *Cell Physiol Biochem*. 2010;26(4-5):513-22.
187. Li G, Xing W, Bai S, Hao J, Guo J, Li H, Li H, Zhang W, Yang B, Wu L, Wang R, Yang G, Xu C. The Calcium-Sensing Receptor Mediates Hypoxia-Induced Proliferation of Rat Pulmonary Artery Smooth Muscle Cells Through MEK1/ERK1,2 and PI3K Pathways. *Basic Clin Pharmacol Toxicol*. 2010 Nov 12. doi: 10.1111/j.1742-7843.2010.00639.x.
188. Pan Z, Zhao W, Zhang X, Wang B, Wang J, Sun X, Liu X, Feng S, Yang B, Lu Y. Scutellarin alleviates interstitial fibrosis and cardiac dysfunction of infarct rats by inhibiting TGF β 1 expression and activation of p38-MAPK and ERK1/2. *Br J Pharmacol*. 2010. doi: 10.1111/j.1476-5381.2010.01070.x.
189. Chen F, Liu W, Liu Z, Zou Q, Wang Y, Li Y, Zhou J, Eisenstark A, Johnston R, Liu G, Yang B, Liu S. mutL as a genetic switch of bacterial mutability: turned on or off through repeat copy number changes. *FEMS Microbiol Lett*. 2010 Nov;312(2):126-32. doi: 10.1111/j.1574-6968.2010.02107.x.
190. Sun L, Ai J, Wang N, Zhang R, Li J, Zhang T, Wu W, Hang P, Lu Y, Yang B. Cerebral ischemia elicits aberration in myocardium contractile function and intracellular calcium handling. *Cell Physiol Biochem*. 2010; 26(3):421-30.
191. Lu F, Tian Z, Zhang W, Zhao Y, Li H, Ren H, Zheng H, Liu C, Hu G, Tian Y, Yang B, Wang R, Xu C. Calcium-sensing receptors regulate cardiomyocyte Ca²⁺ signaling via the sarcoplasmic reticulum-mitochondrion interface during hypoxia/reoxygenation. *J Biomed Sci*. 2010 Jun 17;17:50.
192. Zhao D, Chu W, Wu L, Li J, Liu Q, Lu Y, Qiao G, Wang Z, Zhang Z, Yang B. PAF exerts a direct apoptotic effect on the rat H9c2 cardiomyocytes in Ca²⁺-dependent manner. *Int J Cardiol*. 2010; 143(1):86-93.
193. Zhang L, Xu C, Hong Y, Zhang J, Liu Y, Zhao M, Cao Y, Lu Y, Yang B, Shan H. Propranolol regulates cardiac transient outward potassium channel in rat myocardium via

cAMP/PKA after short-term but not after long-term ischemia. *Naunyn Schmiedebergs Arch Pharmacol.* 2010; 382(1):63-71.

194. Chen C, Hu J, Tu Y, Wu J, Liang J, Gao L, Wang Z, Yang B, Dong D. Effects of isosorbide mononitrate on the restoration of injured artery in mice in vivo. *Eur J Pharmacol.* 2010; 640(1-3):150-6.

195. Ai J, Liang F, Zhou H, Zhao J, Wang N, Zhu S, Yang B. Mechanism of impaired baroreflex sensitivity in Wistar rats fed a high-fat and -carbohydrate diet. *Br J Nutr.* 2010; 104(2):291-7.

196. Yang C, Shi T, Liang Q, Yang B, Jiao R, Zhang H, Zhang Y, Xu M. Cholecystokinin-8 antagonizes electroacupuncture analgesia through its B receptor in the caudate nucleus. *NEUROMODULATION.* 2010; 13(2): 93-98.

197. Meng R, Zhou J, Sui M, Li Z, Feng G, Yang B. Arsenic trioxide promotes mitochondrial DNA mutation and cell apoptosis in primary APL cells and NB4 cell line. *Sci China Life Sci.* 2010 Jan;53(1):87-93.

198. Bu L, Li R, Jin Z, Wen X, Liu S, Yang B, Shen B, Chen X. Evaluation of (99) (m)TcN-MPO as a New Myocardial Perfusion Imaging Agent in Normal Dogs and in an Acute Myocardial Infarction Canine Model: Comparison with (99) (m)Tc-Sestamibi. *Mol Imaging Biol.* 2010 May 11.

199. Guo J, Li H, Zhang W, Wang L, Wang L, Zhang L, Li G, Li H, Yang B, Wu L, Wang R, Xu C. Increased expression of calcium-sensing receptors induced by ox-LDL amplifies apoptosis of cardiomyocytes during simulated ischaemia-reperfusion. *Clin Exp Pharmacol Physiol.* 2010; 37(3):e128-35.

200. Dong S, Teng Z, Lu F, Zhao Y, Li H, Ren H, Chen H, Pan Z, Lv Y, Yang B, Tian Y, Xu C, Zhang W. Post-conditioning protects cardiomyocytes from apoptosis via PKC(epsilon)-interacting with calcium-sensing receptors to inhibit endo(sarco)plasmic reticulum-mitochondria crosstalk. *Mol Cell Biochem.* 2010; 341(1-2):195-206.

201. Cai B, Meng F, Zhu S, Zhao J, Liu J, Liu C, Chen N, Ye M, Li Z, Ai J, Lu Y, Yang B. Arsenic trioxide induces the apoptosis in bone marrow mesenchymal stem cells by intracellular calcium signal and caspase-3 pathways. *Toxicol Lett.* 2010;193(2):173-8.

202. Fu S, Li W, Zhao Y, Dong L, Zhao J, Wang B, Lü Y, Yang B. Prevalence of hypertension and risk factors in Heilongjiang province in 2007. *Chin Med J (Engl).* 2010;123(6):752-5.

203. Zhao J, Su Y, Zhang Y, Pan Z, Yang L, Chen X, Liu Y, Lu Y, Du Z, Yang B. Activation of cardiac muscarinic M3 receptors induces delayed cardioprotection by preserving phosphorylated connexin43 and up-regulating cyclooxygenase-2 expression. *Br J Pharmacol.* 2010;159(6):1217-25.

204. Huo R, Li Z, Lu C, Xie Y, Wang B, Tu Y, Hu J, Xu C, Yang B, Dong D. Inhibition of 2-aminoethoxydiphenyl borate-induced rat atrial ectopic activity by anti-arrhythmic drugs. *Cell Physiol Biochem.* 2010; 25(4-5):425-32.

205. Sun Y, Li Y, Feng S, Li B, Pan Z, Xu C, Li T, Yang B. Calcium-sensing receptor activation contributed to apoptosis stimulates TRPC6 channel in rat neonatal ventricular myocytes. *Biochem Biophys Res Commun.* 2010;394(4):955-61.

206. Pan Z, Lu Y, Yang B. MicroRNAs: a novel class of potential therapeutic targets for cardiovascular diseases. *Acta Pharmacol Sin.* 2010; 31(1):1-9.

207. Pan Z, Zhang Y, Mei D, Zhang R, Wang J, Zhang X, Xu C, Lu Y, Yang B. Scutellarin exerts its anti-hypertrophic effects via suppressing the Ca²⁺-mediated calcineurin and CaMKII signaling pathways. *Naunyn Schmiedebergs Arch Pharmacol*. 2010;381(2):137-45.
208. Ai J, Zhang R, Li Y, Pu J, Lu Y, Jiao J, Li K, Yu B, Li Z, Wang R, Wang L, Li Q, Wang N, Shan H, Li Z, Yang B. Circulating microRNA-1 as a potential novel biomarker for acute myocardial infarction. *Biochem Biophys Res Commun*. 2010;391(1):73-7.
209. Dong D, Chen C, Huo R, Wang N, Li Z, Tu Y, Hu J, Chu X, Huang W, Yang B. Reciprocal repression between microRNA-133 and calcineurin regulates cardiac hypertrophy: a novel mechanism for progressive cardiac hypertrophy. *Hypertension*. 2010;55(4):946-52.
210. Liu J, Dong H, Sun X, Wang Q, Sun W, Parry J, Liu Q, Han X, Sun C, Chen B, Yang B. Effects of beta-ionone on mammary carcinogenesis and antioxidant status in rats treated with DMBA. *Nutr Cancer*. 2010;62(1):58-65.
211. Guo J, Li H, Zhang W, Wang L, Wang L, Zhang L, Li G, Li H, Yang B, Wu L, Wang R, Xu C. Increased expression of calcium-sensing receptors induced by ox-LDL amplifies apoptosis of cardiomyocytes during simulated ischaemia/reperfusion. *Clin Exp Pharmacol Physiol*. 2009 Dec 23.
212. Lu F, Tian Z, Zhang W, Zhao Y, Bai S, Ren H, Chen H, Yu X, Wang J, Wang L, Li H, Pan Z, Tian Y, Yang B, Wang R, Xu C. Calcium-sensing receptors induce apoptosis in rat cardiomyocytes via the endo(sarco)plasmic reticulum pathway during hypoxia/reoxygenation. *Basic Clin Pharmacol Toxicol*. 2010;106(5):396-405.
213. Zhao J, Li J, Li W, Li Y, Shan H, Gong Y, Yang B. Effects of spironolactone on atrial structural remodelling in a canine model of atrial fibrillation produced by prolonged atrial pacing. *Br J Pharmacol*. 2010 Apr;159(8):1584-94.
214. Zhao Y, Okuyama M, Hashimoto H, Tagawa Y, Jomori T, Yang B. Bezafibrate induces myotoxicity in human rhabdomyosarcoma cells via peroxisome proliferator-activated receptor alpha signaling. *Toxicol In Vitro*. 2010; 24(1):154-9.
215. Li C, Yang B, Zhang J, Jiao J, Li B, Wu C. Effect of ANEPIII, a novel recombinant neurotoxic polypeptide, on sodium channels in primary cultured rat hippocampal and cortical neurons. *Regul Pept*. 2010; 164(2-3):105-12.
216. Lu Y, Zhang Y, Shan H, Pan Z, Li X, Li B, Xu C, Zhang B, Zhang F, Dong D, Song W, Qiao G, Yang B*. MicroRNA-1 downregulation by propranolol in a rat model of myocardial infarction: a new mechanism for ischaemic cardioprotection. *Cardiovasc Res*. 2009;84(3):434-41.
217. Shan H, Li X, Pan Z, Zhang L, Cai B, Zhang Y, Xu C, Chu W, Qiao G, Li B, Lu Y, Yang B*. Tanshinone IIA protects against sudden cardiac death induced by lethal arrhythmias via repression of microRNA-1. *Br J Pharmacol*. 2009;158(5):1227-35.
218. Shan H, Zhang Y, Lu Y, Zhang Y, Pan Z, Cai B, Wang N, Li X, Feng T, Hong Y, Yang B. Downregulation of miR-133 and miR-590 contributes to nicotine-induced atrial remodelling in canines. *Cardiovasc Res*. 2009 Aug 1;83(3):465-72.

Comment in *Cardiovasc Res*. 2009;83(3):421-2.

219. Cai B, Zhao L, Li J, Liu J, Zhu S, Meng F, Zhou H, Lu Y, Ai J, Yang B*. Bone marrow mesenchymal stem cells upregulate transient outward potassium currents in postnatal rat ventricular myocytes. *J Mol Cell Cardiol*. 2009;47(1):41-8.

220. Wang L, Sun L, Zhang Y, Wu H, Li C, Pan Z, Lu Y, Yang B. Ionic mechanisms underlying action potential prolongation by focal cerebral ischemia in rat ventricular myocytes. *Cell Physiol Biochem*. 2009;23(4-6):305-16.
221. Yang B, Lu Y, Wang Z. MicroRNAs and Apoptosis: Implications in Molecular Therapy of Human Disease. *Clin Exp Pharmacol Physiol*. 2009 Jun 29
222. Pan Z, Lu Y, Yang B. MicroRNAs: a novel class of potential therapeutic targets for cardiovascular diseases. *Acta Pharmacol Sin*. 2009 Dec 7. [Epub ahead of print]
223. Gu DF, Li XL, Qi ZP, Shi SS, Hu MQ, Liu DM, She CB, Lv YJ, Li BX, Yang BF. Blockade of HERG K⁺ channel by isoquinoline alkaloid neferine in the stable transfected HEK293 cells. *Naunyn Schmiedebergs Arch Pharmacol*. 2009 Aug;380(2):143-51.
224. Liu Y, Du J, Gao Y, Zhang Y, Cai B, Zhao H, Qi H, Du Z, Lu Y, Yang B. Role of M3 receptor in aconitine/barium-chloride-induced preconditioning against arrhythmias in rats. *Naunyn Schmiedebergs Arch Pharmacol*. 2009 May;379(5):511-5.
225. Ai J, Zhao L, Lu Y, Cai B, Zhang Y, Yang B. A Randomized, Multicentre, Open-Label, Parallel-Group Trial to Compare the Efficacy and Safety Profile of Daming Capsule in Patients with Hypercholesterolemia. *Phytotherapy Research* 2009; 23(7): 1039-1042.
226. Li X, Chu W, Liu J, Xue X, Lu Y, Shan H, Yang B. Antiarrhythmic properties of long-term treatment with matrine in arrhythmic rat induced by coronary ligation. *Biol Pharm Bull*. 2009 Sep;32(9):1521-6.
227. Cai B, Shan L, Gong D, Pan Z, Ai J, Xu C, Lu Y, Yang B. Homocysteine modulates sodium channel currents in human atrial myocytes. *Toxicology*. 2009 Feb 27;256(3):201-6.
228. Zhao X, Qiao G, Li B, Chai L, Li Z, Lu Y, Yang B. Hypoglycaemic and hypolipidaemic effects of emodin and its effect on L-type calcium channels in dyslipidaemic-diabetic rats. *Clin Exp Pharmacol Physiol*. 2009 Jan;36(1):29-34.
229. Ai J, Yan X, Zhao L, Lu Y, Liang F, Cai B, Li G, Lu Y, Yang B. The protective effect of Daming capsule on heart function in streptozocin-induced diabetic rats with hyperlipidemia. *Biol Pharm Bull*. 2009 Aug;32(8):1354-8.
230. Zhao X, Gu D, Qi Z, Chen M, Wei T, Li B, Yang B. Comparative effects of sophocarpine and sophoridine on hERG K⁺ channel. *Eur J Pharmacol*. 2009 Apr 1;607(1-3):15-22.
231. Ai J, Zhang R, Li Y, Pu J, Lu Y, Jiao J, Li K, Yu B, Li Z, Wang R, Wang L, Li Q, Wang N, Shan H, Yang B. Circulating microRNA-1 as a potential novel biomarker for acute myocardial infarction. *Biochem Biophys Res Commun*. 2009 Nov 5. [Epub ahead of print]
232. Zhao J, Su Y, Zhang Y, Pan Z, Yang L, Chen X, Liu Y, Lu Y, Du Z, Yang B. Activation of cardiac muscarinic M3 receptors induces delayed cardioprotection by preserving phosphorylated connexin43 and up-regulating cyclooxygenase-2 expression. *Br J Pharmacol*. 2010 Mar;159(6):1217-25.
233. Zhao D, Chu W, Wu L, Li J, Liu Q, Lu Y, Qiao G, Wang Z, Zhang Z, Yang B. PAF exerts a direct apoptotic effect on the rat H9c2 cardiomyocytes in Ca²⁺-dependent manner. *Int J Cardiol*. 2009 Feb 21. [Epub ahead of print]
234. Zhan X, Li X, Liu X, Zhou J, Yang Y, Yi R, Zhang J, Yang B. Generation of insulin-secreting cells from adult rat pancreatic ductal epithelial cells induced by hepatocyte growth factor and betacellulin-delta4. *Biochem Biophys Res Commun*. 2009 May 1;382(2):375-80.

235. Zhuang M, Jiang H, Suzuki Y, Li X, Xiao P, Tanaka T, Ling H, Yang B, Saitoh H, Zhang L, Qin C, Sugamura K, Hattori T. Procyanidins and butanol extract of Cinnamomi Cortex inhibit SARS-CoV infection. *Antiviral Res.* 2009 Apr;82(1):73-81.
236. Sun Z, Chen C, Sun M, Ai C, Lu X, Zheng Y, Yang B, Dong D. The application of poly (glycerol-sebacate) as biodegradable drug carrier. *Biomaterials.* 2009 Oct;30(28):5209-14.
237. Gong Y, Li W, Li Y, Yang S, Sheng L, Yang N, Shan H, Xue H, Liu W, Yang B, Dong D, Li B. Probucol attenuates atrial autonomic remodeling in a canine model of atrial fibrillation produced by prolonged atrial pacing. *Chin Med J (Engl).* 2009 Jan 5;122(1):74-82.
238. Zhao Y, Wang J, Fu B, Ma M, Li B, Huang Q, Yang B. Effects of 3-aminobenzamide on expressions of poly (ADP ribose) polymerase and apoptosis inducing factor in cardiomyocytes of rats with acute myocardial infarction. *Chin Med J (Engl).* 2009 Jun 5;122(11):1322-7.
239. Liu J, Dong H, Tang X, Sun X, Han X, Chen B, Sun C, Yang B. Genotoxicity of water from the Songhua River, China, in 1994-1995 and 2002-2003: Potential risks for human health. *Environ Pollut.* 2009 Feb;157(2):357-64.
240. Ren H, Tan X, Dong Y, Giese A, Chou T, Rainov N, Yang B. Differential effect of imatinib and synergism of combination treatment with chemotherapeutic agents in malignant glioma cells. *Basic Clin Pharmacol Toxicol.* 2009 Mar;104(3):241-52.
241. Xia B, Zhan X, Yi R, Yang B. Can pancreatic duct-derived progenitors be a source of islet regeneration? *Biochemical and Biophysical Research Communications* 2009; 383(4): 383-385.
242. Sun Z, Wu L, Huang W, Zhang X, Lu X, Zheng Y, Yang B, Dong D. The influence of lactic on the properties of Poly (glycerol-sebacate-lactic acid). *Materials Science & Engineering C-Biomimetic and Supramolecular Systems* 2009; 29(1): 178-182.
243. Zhao Y, Zhang W, Xu C, Li H, Wang L, Li H, Sun Y, Lin Y, Han L, Zhang L, Tian Y, Wang R, Yang B, Li W. Involvement of the ornithine decarboxylase/polyamine system in precondition-induced cardioprotection through an interaction with PKC in rat hearts. *Mol Cell Biochem.* 2009 Dec;332(1-2):135-44.
244. Wang X, Wu D, Li B, Lu Y, Yang B. Synergistic Inhibitory Effect of Sulforaphane and 5-Fluorouracil in High and Low Metastasis Cell Lines of Salivary Gland Adenoid Cystic Carcinoma. *Phytotherapy Research* 2009; 23(3): 303-307.
245. Zhao Y, Okuyama M, Hashimoto H, Tagawa Y, Jomori T, Yang B. Bezafibrate induces myotoxicity in human rhabdomyosarcoma cells via peroxisome proliferator-activated receptor alpha signaling. *Toxicol In Vitro.* 2009 Aug 13. [Epub ahead of print]
246. Li Y, Gong Z, Sheng L, Gong Y, Tan X, Li W, Dong D, Yang B, Fu S, Xue H. Anti-apoptotic Effects of a Calpain Inhibitor on Cardiomyocytes in a Canine Rapid Atrial Fibrillation Model. *Cardiovasc Drugs Ther.* 2009 Oct 31. [Epub ahead of print]
247. Zhao X, Li G, Liu Y, Chai L, Chen J, Zhang Y, Du Z, Lu Y, Yang B*. Resveratrol protects against arsenic trioxide-induced cardiotoxicity in vitro and in vivo. *Br J Pharmacol.* 2008 May;154(1):105-13.
248. Gong D, Zhang Y, Cai B, Meng Q, Jiang S, Li X, Shan L, Liu Y, Qiao G, Lu Y, Yang B. Characterization and comparison of Na⁺, K⁺ and Ca²⁺ currents between myocytes from human atrial right appendage and atrial septum. *Cell Physiol Biochem.* 2008;21(5-6):385-94.

249. Wang Z*, Luo X, Lu Y, Yang B*. miRNAs at the heart of the matter. *J Mol Med*. 2008 Jul;86(7):771-83.
250. Yang B, Lu Y, Wang Z. Control of cardiac excitability by microRNAs. *Cardiovasc Res*. 2008 Sep 1;79(4):571-80.
251. Zhao X, Feng T, Chen H, Shan H, Zhang Y, Lu Y, Yang B*. Arsenic trioxide-induced apoptosis in H9c2 cardiomyocytes: implications in cardiotoxicity. *Basic Clin Pharmacol Toxicol*. 2008 May;102(5):419-25.
252. Chu W, Qiao G, Bai Y, Pan Z, Li G, Piao X, Wu L, Lu Y, Yang B. Flavonoids from Chinese *Viscum coloratum* produce cytoprotective effects against ischemic myocardial injuries: inhibitory effect of flavonoids on PAF-induced Ca²⁺ overload. *Phytother Res*. 2008 Jan;22(1):134-7.
253. Sun H, Li L, Shang L, Zhao D, Dong D, Qiao G, Liu Y, Chu W, Yang B*. Cardioprotective effects and underlying mechanisms of oxymatrine against Ischemic myocardial injuries of rats. *Phytother Res*. 2008 Apr 3. [Epub ahead of print]
254. Dong D, Chen C, Huang W, Chen Y, Zhang X, Li Z, Li Y, Yang B. Tricarbonyldichlororuthenium (II) dimer (CORM2) activates non-selective cation current in human endothelial cells independently of carbon monoxide releasing. *Eur J Pharmacol*. 2008 Aug 20;590(1-3):99-104.
255. Sun L, Du J, Zhang G, Zhang Y, Pan G, Wang L, Yang B. Aberration of L-type calcium channel in cardiac myocytes is one of the mechanisms of arrhythmia induced by cerebral ischemia. *Cell Physiol Biochem*. 2008;22(1-4):147-56.
256. Ai J, Zhao L, Lu Y, Cai B, Zhang Y, Yang B*. A Randomized, Multicultural, Open-Label, Parallel-Group Trial to Compare the Efficacy and Safety Profile of Daming Capsule in Patients with Hypercholesterolemia. *Phytother. Res*. 2008, 22, in press.
257. Pan Z, Feng T, Shan L, Cai B, Chu W, Niu H, Lu Y, Yang B*. Scutellarin-induced endothelium-independent relaxation in rat aorta. *Phytother Res*. 2008 Nov;22(11):1428-33.
258. Cai B, Shan L, Gong D, Pan Z, Ai J, Xu C, Lu Y, Yang B. Homocysteine modulates sodium channel currents in human atrial myocytes. *Toxicology*. 2009 Feb 27;256(3):201-6.
259. Zhao X, Qiao G, Li B, Chai L, Li Z, Lu Y, Yang B. Hypoglycaemic and hypolipidaemic effects of emodin and its effect on L-type calcium channels in dyslipidaemic-diabetic rats. *Clin Exp Pharmacol Physiol*. 2009 Jan;36(1):29-34.
260. Liu Y, Sun H, Li D, Wang L, Gao Y, Wang Y, Du Z*, Lu Y, Yang B. Choline produces antiarrhythmic actions in animal models by cardiac M3 receptors: improvement of intracellular Ca²⁺ handling as a common mechanism. *Can J Physiol Pharmacol*. 2008 Dec;86(12):860-5.
261. Jiang W, Li X, Rao S, Wang L, Du L, Li C, Wu C, Wang H, Wang Y, Yang B. Constructing disease-specific gene networks using pair-wise relevance metric: application to colon cancer identifies interleukin 8, desmin and enolase 1 as the central elements. *BMC Syst Biol*. 2008 Aug 10;2:72.
262. Wang X, Wu D, Li B, Lu Y, Yang B. Synergistic inhibitory effect of sulforaphane and 5-fluorouracil in high and low metastasis cell lines of salivary gland adenoid cystic carcinoma. *Phytother Res*. 2009 Mar;23(3):303-7.
263. Zhou Y, Shan H, Qiao G, Sui X, Lu Y, Yang B. Inotropic effects and mechanisms of matrine, a main alkaloid from *Sophora flavescens* AIT. *Biol Pharm Bull*. 2008 Nov;31(11):2057-62.

264. Zhang Q, Kang X, Yang B, Wang J, Yang F. Antiangiogenic effect of capecitabine combined with ginsenoside Rg3 on breast cancer in mice. *Cancer Biother Radiopharm.* 2008 Oct;23(5):647-53.
265. Jiang W, Li X, Rao S, Wang L, Du L, Li C, Wu C, Wang H, Wang Y, Yang B. Constructing disease-specific gene networks using pair-wise relevance metric: application to colon cancer identifies interleukin 8, desmin and enolase 1 as the central elements. *BMC Syst Biol.* 2008 Aug 10;2:72.
266. Zhao X, Qi Z, Fang C, Chen M, Lv Y, Li B, Yang B*. HERG K⁺ channel blockade by the novel antiviral drug sophocarpine. *Biol Pharm Bull.* 2008;31(4):627-32.

Cover article

267. Dong D, Yue P, Yang B, Wang W. Hydrogen peroxide stimulates the Ca²⁺-activated big-conductance K channels (BK) through cGMP signaling pathway in cultured human endothelial cells. *Cell Physiol Biochem.* 2008;22(1-4):119-26.
268. Zhang Y, Lin D, Wang Z, Jin Y, Yang B, Wang W. K restriction inhibits protein phosphatase 2B (PP2B) and suppression of PP2B decreases ROMK channel activity in the CCD. *Am J Physiol Cell Physiol.* 2008 Mar;294(3):C765-73.
269. Wang L, Wang C, Lin Y, Xi Y, Zhang W, Zhao Y, Li H, Tian Y, Lv Y, Yang B, Xu C. Involvement of calcium-sensing receptor in cardiac hypertrophy-induced by angiotensinII through calcineurin pathway in cultured neonatal rat cardiomyocytes. *Biochem Biophys Res Commun.* 2008 May 2;369(2):584-9.
270. Gu R, Jin Y, Zhai Y, Yang L, Zhang C, Li W, Wang L, Kong S, Zhang Y, Yang B, Wang W. PGE(2) inhibits basolateral 50 pS potassium channels in the thick ascending limb of the rat kidney. *Kidney Int.* 2008 May 21. [Epub ahead of print]
271. Yang D, Li Y, Xiao H, Liu Q, Zhang M, Zhu J, Ma W, Yao C, Wang J, Wang D, Guo Z, Yang B. Gaining confidence in biological interpretation of the microarray data: the functional consistence of the significant GO categories. *Bioinformatics.* 2008 Jan 15;24(2):265-71.
272. Liu J, Sun X, Dong H, Sun C, Sun W, Chen B, Song Y, Yang B. beta-Ionone suppresses mammary carcinogenesis, proliferative activity and induces apoptosis in the mammary gland of the Sprague-Dawley rat. *Int J Cancer.* 2008 Jun 15;122(12):2689-98.
273. Luo X, Xiao J, Lin H, Lu Y, Yang B, Wang Z. Genomic structure, transcriptional control, and tissue distribution of HERG1 and KCNQ1 genes. *Am J Physiol Heart Circ Physiol.* 2008 Mar;294(3):H1371-80.
274. Jiao J, Garg V, Yang B, Hu K. Novel functional role of heat shock protein 90 in ATP-sensitive K⁺ channel-mediated hypoxic preconditioning. *Cardiovasc Res.* 2008 Jan;77(1):126-33.
275. Xue H, Li W, Li Y, Gong Y, Yang B, Jin C, Sheng L, Chu S, Zhang L, Shan H, Liu J. Calpain I inhibition prevents atrial structural remodeling in a canine model with atrial fibrillation. *Chin Med J (Engl).* 2008 Jan 5;121(1):32-7.
276. Sun Y, Liu M, Yang B, Li B, Lu J. Role of siRNA silencing of MMP-2 gene on invasion and growth of laryngeal squamous cell carcinoma. *Eur Arch Otorhinolaryngol.* 2008 Apr 25. [Epub ahead of print]
277. Chen B, Liu Y, Liu H, Wang N, Yang B, Yao X. Iridoid and Aromatic Glycosides from *Scrophularia ningpoensis* Hemsl. And Their Inhibition of [Ca²⁺]_i Increase Induced by KCl. *CHEMISTRY & BIODIVERSITY – Vol. 5 (2008): 1723-1735.*

278. Li H, Han L, Jiang C, Li H, Zhao Y, Gao J, Lin Y, Ma S, Tian Y, Yang B, Xu C. Effect of dopamine receptor 1 on apoptosis of cultured neonatal rat cardiomyocytes in simulated ischaemia/reperfusion. *Basic Clin Pharmacol Toxicol*. 2008 Mar;102(3):329-36.
279. Zhang M, Feng D, Shao P, Sun T, Wang L, Yang B. Nifedipine regulated periodontal ligament remodeling: an experimental study in rats. *Acta Odontol Scand*. 2008;66(6):327-33.
280. Lin Y, Wang L, Xi Y, Li H, Xiao F, Zhao Y, Tian Y, Yang B, Xu C. L-arginine inhibits isoproterenol-induced cardiac hypertrophy through nitric oxide and polyamine pathways. *Basic Clin Pharmacol Toxicol*. 2008 Aug;103(2):124-30.
281. Jiao J, Garg V, Yang B, Elton T, Hu K. Protein kinase C-epsilon induces caveolin-dependent internalization of vascular adenosine 5'-triphosphate-sensitive K⁺ channels. *Hypertension*. 2008 Sep;52(3):499-506.
282. Sun Y, Liu M, Yang B, Lu J, Li B. Inhibition of laryngeal cancer cell invasion and growth with lentiviral-vector delivered short hairpin RNA targeting human MMP-9 gene. *Cancer Invest*. 2008 Dec;26(10):984-9.
283. Wang X, Wang G, Dong D, Fu S, Yang B. Inhibition on LS-174T cell growth and activity of telomerase in vitro and in vivo by arsenic trioxide. *Exp Toxicol Pathol*. 2008 Sep;60(6):481-8.
284. Yang B, Lin H, Xiao J, Lu Y, Luo X, Li B, Zhang Y, Xu C, Bai Y, Wang H, Chen G, Wang Z. The muscle-specific microRNA miR-1 regulates cardiac arrhythmogenic potential by targeting GJA1 and KCNJ2. *Nat Med*. 2007 Apr;13(4):486-91.
- Comments in Nat Med. 2007;13 (4):410-411; Nature. 2007;447:4-5; 2007;447:389-90; Science. 2007;316:663**
285. Dong D, Zhang Y, Lin D, Chen J, Patschan S, Goligorsky M, Nasjletti A, Yang B, Wang W. Carbon monoxide stimulates the Ca²⁺(+)-activated big conductance k channels in cultured human endothelial cells. *Hypertension*. 2007 Oct;50(4):643-51.
286. Zhang Y, Xiao J, Lin H, Luo X, Wang H, Bai Y, Wang J, Zhang H, Yang B, Wang Z. Ionic mechanisms underlying abnormal QT prolongation and the associated arrhythmias in diabetic rabbits: a role of rapid delayed rectifier K⁺ current. *Cell Physiol Biochem*. 2007;19(5-6):225-38.
287. Cai B, Gong D, Pan Z, Liu Y, Qian H, Zhang Y, Jiao J, Lu Y, Yang B. Large-conductance Ca²⁺-activated K⁺ currents blocked and impaired by homocysteine in human and rat mesenteric artery smooth muscle cells. *Life Sci*. 2007 May 8;80(22):2060-6.
288. Li Y, Li W, Gong Y, Li B, Liu W, Han W, Dong D, Sheng L, Xue J, Zhang L, Chu S, Yang B. The effects of cilazapril and valsartan on the mRNA and protein expressions of atrial calpains and atrial structural remodeling in atrial fibrillation dogs. *Basic Res Cardiol*. 2007 May;102(3):245-56.
289. Li Y, Li W, Yang B, Han W, Dong D, Xue J, Li B, Yang S, Sheng L. Effects of Cilazapril on atrial electrical, structural and functional remodeling in atrial fibrillation dogs. *J Electrocardiol*. 2007 Jan;40(1):100.e1-6.
290. Qiao G, Li S, Yang B, Li B. Inhibitory effects of artemisinin on voltage-gated ion channels in intact nodose ganglion neurones of adult rats. *Basic Clin Pharmacol Toxicol*. 2007 Apr;100(4):217-24.
291. Zhao Y, Zhao X, Yang B, Neuzil J, Wu K. alpha-Tocopheryl succinate-induced apoptosis in human gastric cancer cells is modulated by ERK1/2 and c-Jun N-terminal kinase in a biphasic manner. *Cancer Lett*. 2007 Mar 18;247(2):345-52.

292. Ai J, Gozal D, Li L, Wead WB, Chapleau MW, Wurster R, Yang B, Li H, Liu R, Cheng Z. Degeneration of vagal efferent axons and terminals in cardiac ganglia of aged rats. *J Comp Neurol*. 2007 Sep 1;504(1):74-88.
293. Han L, Xu C, Jiang C, Li H, Zhang W, Zhao Y, Zhang L, Zhang Y, Zhao W, Yang B. Effects of polyamines on apoptosis induced by simulated ischemia/reperfusion injury in cultured neonatal rat cardiomyocytes. *Cell Biol Int*. 2007 Nov;31(11):1345-52.
294. Bai Y, Wang J, Lu Y, Shan H, Yang B, Wang Z. Phospholipid lysophosphatidylcholine as a metabolic trigger and HERG as an ionic pathway for extracellular K accumulation and "short QT syndrome" in acute myocardial ischemia. *Cell Physiol Biochem*. 2007;20(5):417-28.
295. Bai Y, Wang J, Shan H, Lu Y, Zhang Y, Luo X, Yang B, Wang Z. Sphingolipid metabolite ceramide causes metabolic perturbation contributing to HERG K⁺ channel dysfunction. *Cell Physiol Biochem*. 2007;20(5):429-40.
296. Chu W, Qiao G, Bai Y, Pan Z, Li G, Piao X, Wu L, Lu Y, Yang B. Flavonoids from Chinese *Viscum coloratum* produce cytoprotective effects against ischemic myocardial injuries: inhibitory effect of flavonoids on PAF-induced Ca²⁺ overload. *Phytother Res*. 2008 Jan;22(1):134-7.
297. Gu R, Wang J, Zhang Y, Li W, Xu Y, Shan H, Wang W, Yang B. Adenosine stimulates the basolateral 50 pS K channels in the thick ascending limb of the rat kidney. *Am J Physiol Renal Physiol*. 2007 Jul;293(1):F299-305.
298. Jin Y, Wang Z, Zhang Y, Yang B, Wang W. PGE₂ inhibits apical K channels in the CCD through activation of the MAPK pathway. *Am J Physiol Renal Physiol*. 2007 Oct;293(4):F1299-307.
299. Cai B, Gong D, Liu Y, Pan Z, Xu C, Bai Y, Qiao G, Lu Y, Yang B. Homocysteine inhibits potassium channels in human atrial myocytes. *Clin Exp Pharmacol Physiol*. 2007 Sep;34(9):851-5.
300. Zhang H, Duncan G, Wang L, Liu P, Cui H, Reddan J, Yang B, Wormstone IM. Arsenic trioxide initiates ER stress responses, perturbs calcium signalling and promotes apoptosis in human lens epithelial cells. *Exp Eye Res*. 2007 Dec;85(6):825-35.
301. Li W, Li Y, Zhao J, Duan Y, Sheng L, Yang B, Wang F, Gong Y, Yang S, Zhou L, Liu P, Zhang L, Chu S. Safety and feasibility of emergent percutaneous coronary intervention with the transradial access in patients with acute myocardial infarction. *Chin Med J (Engl)*. 2007 Apr 5;120(7):598-600.
302. Ren H, Yang B, Rainov N. Receptor tyrosine kinases as therapeutic targets in malignant glioma. *Rev Recent Clin Trials*. 2007 May;2(2):87-101.
303. Zhang W, Lu F, Zhao Y, Wang L, Tian Y, Pan Z, Lv Y, Wang Y, Du L, Sun Z, Yang B, Wang R, Xu C. Post-conditioning protects rat cardiomyocytes via PKCepsilon-mediated calcium-sensing receptors. *Biochem Biophys Res Commun*. 2007 Sep 28;361(3):659-64.
304. Zhou J, Wang W, Wei Q, Feng T, Tan L, Yang B*. Effects of arsenic trioxide on voltage-dependent potassium channels and on cell proliferation of human multiple myeloma cells. *Chin Med J (Engl)*. 2007 Jul 20;120(14):1266-1269.
305. Zhao Y, Xu C, Zhang W, Zhang L, Bian S, Huang Q, Sun H, Li Q, Zhang Y, Tian Y, Wang R, Yang B, Li W. Role of polyamines in myocardial ischemia/reperfusion injury and their interactions with nitric oxide. *Eur J Pharmacol*. 2007 May 21;562(3):236-46.

306. Jiao J, Garg V, Yang B, Hu K. Novel functional role of heat shock protein 90 in ATP-sensitive K⁺ channel-mediated hypoxic preconditioning. *Cardiovasc Res.* 2007 Oct 31; [Epub ahead of print] .
307. Yang D, Li Y, Xiao H, Liu Q, Zhang M, Zhu J, Ma W, Yao C, Wang J, Wang D, Guo Z, Yang B. Gaining confidence in biological interpretation of the microarray data: the functional consistence of the significant GO categories. *Bioinformatics.* 2007 Nov 15; [Epub ahead of print] PMID: 18006543.
308. Yue P, Zhang Y, Du Z, Xiao J, Pan Z, Wang N, Yu H, Ma W, Qin H, Wang W, Lin D, Yang B. Ischemia impairs the association between connexin 43 and M3 subtype of acetylcholine muscarinic receptor (M3-mAChR) in ventricular myocytes. *Cell Physiol Biochem.* 2006;17(3-4):129-36.
309. Jiao J, Xu C, Yue P, Dong D, Li Z, Du Z, Yang B. Volume-sensitive outwardly rectifying chloride channels are involved in oxidative stress-induced apoptosis of mesangial cells. *Biochem Biophys Res Commun.* 2006 Feb 3;340(1):277-85.
310. Chu W, Sun H, Dong D, Qiao G, Yang B. Increasing Intracellular calcium of guinea pig ventricular myocytes induced by platelet activating factor through IP3 pathway. *Basic Clin Pharmacol Toxicol.* 2006 Jan;98(1):104-9.
311. Dong D, Wang Q, Yue P, Jiao J, Gu R, Yang B. Indapamide induces apoptosis of GH3 pituitary cells independently of its inhibition of voltage-dependent K⁺ currents. *Eur J Pharmacol.* 2006 Apr 24;536(1-2):78-84.
312. Zhang Y, Liu Y, Wang T, Li B, Li H, Wang Z, Yang B. Resveratrol, a natural ingredient of grape skin: antiarrhythmic efficacy and ionic mechanisms. *Biochem Biophys Res Commun.* 2006 Feb 24;340(4):1192-9.
313. Sun H, Chu W, Dong D, Liu Y, Bai Y, Wang X, Zhou J, Yang B. Choline-modulated arsenic trioxide-induced prolongation of cardiac repolarization in Guinea pig. *Basic Clin Pharmacol Toxicol.* 2006 Apr;98(4):381-8.
314. Dong D, Luan Y, Feng T, Fan C, Yue P, Sun Z, Gu R, Yang B. Chlorzoxazone inhibits contraction of rat thoracic aorta. *Eur J Pharmacol.* 2006 Sep 18;545(2-3):161-6.
315. Zhang Y, Xiao J, Wang H, Luo X, Wang J, Villeneuve L, Zhang H, Bai Y, Yang B, Wang Z. Restoring depressed HERG K⁺ channel function as a mechanism for insulin treatment of abnormal QT prolongation and associated arrhythmias in diabetic rabbits. *Am J Physiol Heart Circ Physiol.* 2006 Sep;291(3):H1446-55.
316. Wang D, Lv Y, Guo Z, Li X, Li Y, Zhu J, Yang D, Xu J, Wang C, Rao S, Yang B. Effects of replacing the unreliable cDNA microarray measurements on the disease classification based on gene expression profiles and functional modules. *Bioinformatics.* 2006 Dec 1;22(23):2883-9.
317. Wei Y, Sun P, Wang Z, Yang B, Carroll M, Wang W. Adenosine inhibits ENaC via cytochrome P-450 epoxygenase-dependent metabolites of arachidonic acid. *Am J Physiol Renal Physiol.* 2006 May;290(5):F1163-8.
318. Zhang W, Fu S, Lu F, Wu B, Gong D, Pan Z, Lv Y, Zhao Y, Li Q, Wang R, Yang B, Xu C. Involvement of calcium-sensing receptor in ischemia/reperfusion-induced apoptosis in rat cardiomyocytes. *Biochem Biophys Res Commun.* 2006 Sep 8;347(4):872-81.
319. Li C, Zhang J, Yang B, Jiao J, Wang L, Wu C. ANEPIII, a new recombinant neurotoxic polypeptide derived from scorpion peptide, inhibits delayed rectifier, but not A-type potassium currents in rat primary cultured hippocampal and cortical neurons. *Regul Pept.* 2006 Jan 15;133(1-3):74-81.

320. Gao H, Xiao J, Sun Q, Lin H, Bai Y, Yang L, Yang B, Wang H, Wang Z. A single decoy oligodeoxynucleotides targeting multiple oncoproteins produces strong anticancer effects. *Mol Pharmacol*. 2006 Nov;70(5):1621-9.
321. Wang X, Wang G, Dong D, Fu S, Yang B. Inhibition on LS-174T cell growth and activity of telomerase in vitro and in vivo by arsenic trioxide. *Exp Toxicol Pathol*. 2008 Sep;60(6):481-8.
322. Chen H, Wang N, Sun H, Yang B, Yao X. Novel furostanol saponins from the bulbs of *Allium macrostemon* B. and their bioactivity on $[Ca^{2+}]_i$ increase induced by KCl. *J Asian Nat Prod Res*. 2006 Jan-Mar;8(1-2):21-8.
323. Chu W, Qiao G, Lu Y, Pan Z, Piao X, Bai Y, Sun H, Yang B*. Flavonoids from Chinese *Viscum coloratum*: Antiarrhythmic efficacy and ionic mechanisms. *PHYTOTHERAPY RESEARCH*, 2006, 20 (12): 1100-1102.
324. Zhou J, Meng R, Sui X, Li W, Yang B*. Various tolerances to arsenic trioxide between human cortical neurons and leukemic cells. *SCIENCE IN CHINA SERIES C-LIFE SCIENCES*, 2006, 49 (6): 567-572.
325. Yang B, Lin H, Xu C, Liu Y, Wang H, Han H, Wang Z. Choline produces cytoprotective effects against ischemic myocardial injuries: evidence for the role of cardiac m3 subtype muscarinic acetylcholine receptors. *Cell Physiol Biochem*. 2005;16(4-6):163-74.
326. Dong D, Wang Q, Chen W, Fan J, Mu J, Ke J, Yang B. Contrasting effects of tetraethylammonium and 4-aminopyridine on the gastrointestinal function of mice. *Eur J Pharmacol*. 2005 Feb 21;509(2-3):179-85.
327. Yang B*, Wang Z. cancer, a K^+ channelopathy? *Recent Res Devel Life Sci*, 2005,3:1-38.
328. Lin D, Sterling H, Wang Z, Babilonia E, Yang B, Dong K, Hebert S, Giebisch G, Wang W. ROMK1 channel activity is regulated by monoubiquitination. *Proc Natl Acad Sci U S A*. 2005 Mar 22;102(12):4306-11.
329. Li G, Xiang B, Dai G, Shaw A, Liu H, Yang B, Jackson M, Deslauriers R, Tian G. Tissue edema does not change gadolinium-diethylenetriamine pentaacetic acid (Gd-DTPA)-enhanced T1 relaxation times of viable myocardium. *J Magn Reson Imaging*. 2005 Jun;21(6):744-51.
330. Zhou J, Meng R, Sui X, Meng L, Jia J, Yang B. Effects of administration styles of arsenic trioxide on intracellular arsenic concentration, cell differentiation and apoptosis. *Haematologica* 2005;90:1277-1279.
331. Fu G, Wang Y, Xi Y, Guo Z, Liu X, Bai S, Yang B, Chen G. As₂O₃ enhances the anion transport activity of band 3 and the action is related with the C-terminal 16 residues of the protein. *JOURNAL OF DRUG TARGETING*, 2005, 13 (4): 235-243.
332. Guo B, Inoki K, Isono M, Mori H, Kanasaki K, Sugimoto T, Akiba S, Sato T, Yang B, Kikkawa R, Kashiwagi A, Haneda M, Koya D. MAPK/AP-1-dependent regulation of PAI-1 gene expression by TGF-beta in rat mesangial cells. *Kidney Int*. 2005 Sep;68(3):972-84.
333. Yue P, Lin D, Zhang Y, Yang B*. Integration between M-3 muscarinic acetylcholine receptor (mAChR) and connexin43 as antiarrhythmic targets. *DRUG DEVELOPMENT RESEARCH* 2005, 66(3): 232-233.(SCI abstract)
334. Zhang J, Fan C, Luan L, Feng T, Zhang W, Cheng Y, Yang B, Dong D. Effects of dipyridamole on the antiarrhythmic action of adenosine in rats. *Chinese Pharmacological Bulletin*, 2007; 23(8): 1080-1083

335. Zhao W, Qi Z, Bai Y, Zhang Y, Zhao X, Lu Y, Li B, Yang B. Effect of resveratrol on function of HERG K⁺ channels. *Chinese Pharmacological Bulletin*, 2007; 23(7): 865-867
336. Liu Y, Bai Y, Wang T, Du J, Zhang Y, Li B, Lu Y, Yang B. Effects of resveratrol on L-type calcium current (I_{Ca-L}) in guinea pig ventricular myocytes. *Chinese Pharmacological Bulletin*, 2007; 23(2): 181-184
337. Xiao J, Yue P, Wang Y, Zhang Y, Huo R, Wang N, Lin DH, Lü YJ, Yang BF. [Resveratrol restored the structural and functional association between M3 receptor and connexin 43 gap junction proteins in ischemia-reperfusion injury of isolated rat heart]. *Yao Xue Xue Bao*. 2007 Jan;42(1):19-25.
338. Sun H, Shang L, Chu W, Huo R, Liu Y, Yang B. Cardioprotective effects and their action targets of oxymatrine. *Chinese Traditional and Herbal Drugs*, 2007; 38(1): 69-72.
339. Xing Y, Yue P, Li H, Zhang Y, Lin D, Dong D, Lu Y, Yang B. Effect of Daming Capsule on mRNA expression of M receptor's different isoforms on cardiac muscle of hyperlipidemic rats. *Chinese Traditional and Herbal Drugs*, 2006, 37(9): 1362-1366.
340. Yue P, Lü Y, Yang B. [Advances in the study of cardiac M3 receptor as a novel target of antiarrhythmic drugs]. *Yao Xue Xue Bao*. 2006 Aug;41(8):702-5.
341. Dong Z, Sun B, Mi Y, Wu L, Chu W, Pan Z, Qiao G, Yang B. Effects of Daming capsule on the experimental acute myocardial ischemia in rat. *Journal of Harbin Medical University*, 2006; 40(5): 351-357.
342. Gong D, Zou X, Bai Y, Shan L, Meng Q, Yu J, Wang S, Lu Y, Yang B. Effects of ouabain and aconitine on sodium currents of isolated guinea pig and rat ventricular myocytes. *Journal of Harbin Medical University*, 2006; 40(5): 347-350.
343. Weng R, Zhou J, Ji X, Li L, Yang B. Characteristics of primary polycythemia vera in the first episode of stroke symptoms. *Chinese Journal of Nervous and Mental Diseases*, 2006; 32(4): 344-346.
344. Zhou J, Meng R, Li L, Yang B. Gene mutation of mt-DNA is induced by arsenic trioxide in leukemia patients non-coding region. *Chinese Journal of Internal Medicine*, 2006; 45(8) : 666-668.
345. Sun B, Wu L, Mi Y, Chu W, Pan Z, Qiao G, Yang B. Protective effects of Daming capsule preconditioning on myocardial infarction during regional ischemia in adult rats. *Chinese Pharmacological Bulletin*, 2006; 22(9): 1140-1144.
346. Fu L, Dong D, Yang B. Protective effect of Shen Mai injection on acute myocardial infarction in dogs. *Journal of Harbin Medical University*, 2006; 40(4): 290-293.
347. Zhang L, Xiu D, Yang B. TLR and Rejection. *International Journal of Immunology*, 2006; 29(4): 209-213.
348. Sun H, Jiao J, Pan Z, Dong D, Yang B. [The cardioprotective effect and mechanism of lumbrokinase]. *Yao Xue Xue Bao*. 2006 Mar;41(3):247-51.
349. Chu W, Sun H, Qiao G, Pu X, Dong D, Yang B. Increasing cytosolic calcium in ventricular myocytes of guinea pig induced by platelet activating factor through inositol 1,4,5-trisphosphate pathway. *Chinese Journal of Pharmacology and Toxicology*, 2006; 20(1): 48-52.
350. Zhang Y, Yue P, Xiao J, Yu H, Pan Z, Lin D, Lü Y, Yang B. [Integration between M3 muscarinic acetylcholine receptor and connexin 43 as antiarrhythmic targets in rat ventricular myocardium]. *Yao Xue Xue Bao*. 2006 May;41(5):395-400.

351. Jiao J, Xu C, Yue P, Dong D, Li Z, Du Z, Yang B. Volume-sensitive outwardly rectifying chloride channels are involved in oxidative stress-induced apoptosis of mesangial cells. *Biochem Biophys Res Commun*. 2006 Feb 3;340(1):277-85.
352. Zhao W, Du J, Zhang Y, Pan Z, Li B, Yang B. Protective effects of resveratrol on acute myocardial ischemia in rats. *Journal of Harbin Medical University*, 2006; 40(3): 188-191.
353. Mi Y, Wu L, Sun B, Dong Z, Chu W, Qiao G, Yang B. Protective effects of Daming Capsule on acute myocardial ischemia. *Journal of Harbin Medical University*, 2006; 40(3): 185-191.
354. Zhao S, Tang L, Zhao H, Liu R, Jia Y, Zhang N, Tang H, Yang B. The experimental study of fluorescence-guided microsurgical resection of glioma in rat. *Chinese Journal of Neurosurgery*, 2006; 22(2): 120-122.
355. Zhou J, Meng R, Li L, Jia J, Yang B. A case of POEMS syndrome associated with myeloproliferative disorders *Chinese Journal of Internal Medicine*, 2006; 45(4): 328.
356. Xiao J, Lin Y, Li B, Yang B, Li X. Inhibitory effect of all-trans-retinoic acid and arsenic trioxide on murine hepatocarcinoma cell H22 and transplantation tumor. *Journal of Harbin Medical University*, 2006; 40(2): 113-115.
357. Wang J, Ai J, Wang N, Zhong X, Yang B. Effect of high glucose circumstance on the expression of L-calcium channel in the myocardial cells of neonate rats. *Journal of Harbin Medical University*, 2006; 40(2): 96-98.
358. Li H, Xu C, Zhang H, Zhao Y, Zhang L, Yang B, Gao X. Study on the mechanisms of rat cardiomyocyte injury induced by exogenous spermine. *Journal of Harbin Medical University*, 2006; 40(2): 85-91.
359. Zhang Y, Du J, Zhao W, Pan Z, Li B, Yang B. Protective effect of resveratrol on rats with acute myocardial ischemia. *Journal of Clinical Rehabilitative Tissue Engineering Research*, 2006; 10(15): 177-179.
360. Sheng Y, Hu Q, Yang B, Xu Y, Luo J, Li X, Yang C. Inhibitory effect of arsenic trioxide in the process of rabbit corneal neovascularization. *Journal of Clinical Rehabilitative Tissue Engineering Research*, 2006; 10(9): 71-74.
361. Zhang L, Lu S, Zhang S, Nie H, Guan Z, Yang B. [Effect of asarinin on the acute heart transplantation rejection and the expression of adhesion molecule]. *Zhongguo Zhong Yao Za Zhi*. 2006 Mar;31(6):494-7.
362. Zhou J, Meng R, Li L, Yang B. Mitochondrial D-loop mutations in patients with acute myeloid leukemia. *Chinese Journal of Endemiology*, 2006; 25(1): 90-93.
363. Kong Y, Yang B, Li W, Yang S, Tian Y, Xue J, Li B. Effects of acute injection of BRL 37344 on hemodynamics and β -adrenoreceptors expression in myocardium of rats with heart failure. *Chinese Journal of Pharmacology and Toxicology*, 2006; 20(1): 33-38.
364. Zhang H, Xu C, Li H, Li H, Han L, Sun Y, Li B, Yang B. The effect of resveratrol on arrhythmia and cardiac ischemia. *Chinese Pharmacological Bulletin*, 2006; 22(3): 383-384.
365. Meng R, Jia J, Zhou J, Ji X, Yang B. The value of changes of plasma prothrombin fragment 1 + 2 and D-dimer during intravenous thrombolysis with Urokinase in patients with acute cerebral infarction. *Chinese Journal of Cerebrovascular Diseases*, 2006; 3(2): 52-56.
366. Pu X, Chu W, Qiao G, Yang B. The protective effect of viscum coloratum total flavonoid on the Hypoxia, myocardial ischemia and arrhythmia. *Journal of Harbin Medical University*, 2006; 40(1): 20-22.

367. Li X, Qiao G, Shan H, Yang B. Effect of potassium channel blocker on proliferation and apoptosis of human pulmonary adenocarcinoma cells. *Journal of Harbin Medical University*, 2006; 40(1): 13-16.
368. Zhou J, Meng R, Li L, Jia J, Yang B. Protective Effect of Ganglioside on Human Cortical Neuron Treated by Arsenic Trioxide. *Chinese Pharmaceutical Journal*, 2006; 41(1): 29-33.
369. Sun H, Jiao J, Chu W, Zhou Y, Wang X, Yang B. Verapamil modulating arsenic trioxide-induced QT interval prolongation in guinea pig. *Journal of Harbin Medical University*, 2005; 39 (4) : 378.
370. Wu H, Yang Q, Yang B. Effect of basic fibroblast growth factor on metallothionein contents in ischemia/reperfusion injury of perfused rat kidney. *Chinese Journal of Critical Care Medicine*, 2005; 25(8): 576-577.
371. Liu J, Chen B, Yang Y, Sun X, Dong H, Wang Q, Yang B. Inhibitory effect of potential metastasis in SGC-7901 cells induced by β -ionone. *Journal of Hygiene Research*, 2005; 34(4): 435-438.
372. Lin D, Lin L, Li B, Yang B. Inhibition effect of As₂O₃ and ATRA on human hepatocellular carcinoma HepG2 cell in vitro. *Journal of Harbin Medical University*, 2005; 39(3): 247-249.
373. Wang Z, Chu W, Wang L, Yang B. Effect of viscum coloratum flavonoid on potassium currents in rat ventricular myocytes. *Journal of Harbin Medical University*, 2005; 39(3): 244-246.
374. Wang Z, Wang L, Pan Z, Zhou H, Yang B. Effects of amiodarone on potassium currents in rat remodeling ventricular myocytes after myocardial infarction. *Chinese Pharmacological Bulletin*, 2005; 21(12): 1451-1453.
375. Xiao J, Yue P, Pan Z, Wang N, Zhang Y, Yu H, Lin D, Yang B. Optimized method for extracting membrane proteins from the myocardium and its application in the detection of connexin 43 expression changes under myocardial ischemia. *Journal of Harbin Medical University*, 2005, 36(6):474-478.
376. Dong G, Du Z, Yang B. Expression of dendritic cells in the metastatic lymph nodes of colon cancer in rats. *Journal of Harbin Medical University*, 2005; 39(3): 224-225.
377. Li F, Li H, Fan Q, Yang B, Yu Z, Cheng S, Jin J, Ma N. Effects of selenium on the expression of SCN5A in myocardium of rats treated with Isoproterenol. *Chinese Journal of Endemiology*, 2005; 24(3): 285-287.
378. Shang L, Wang L, Sun H, Yang B. Protective effects of oxymatrine on acute myocardial ischemia in rats. *Journal of Harbin Medical University*, 2005; 39(2): 124-129.
379. Wang L, Ai J, Zhang J, Li Q, Yang M, Yang B. Serum superoxide dismutase level and malondialdehyde level in subjects with different glucose tolerance. *Chinese Journal of Practical Internal Medicine*, 2005; 25(4): 311-312.
380. Huo R, Li B, Jiang H, Yang B. Study on expressions of mRNA of cardiac transient outward potassium channel Kv4.2, Kv4.3 gene in the hyperlipidemic rat. *Journal of Harbin Medical University*, 2005; 39(1): 29-31.
381. Zhang L, Gao Y, Yang B. The role of dendritic cells, Th2 cells and regulatory T cells in asthma. *Foreign Medical Sciences(Section of Immunology)*, 2005; 28(2): 83-85.

382. Zhou J, Meng R, Sui X, Mi L, Li B, Yang B. Efficacy of continuous slow infusion of arsenic trioxide treatment of hyperlipidemia leukocyte. *Chinese Journal of Internal Medicine*, 2005; 44(3): 222-224.
383. Wang H, Cai B, Cui C, Zhang D, Yang B. Vitexicarpin, a flavonoid from *Vitex trifolia* L., induces apoptosis in K562 cells via mitochondria-controlled apoptotic pathway. *Acta Pharmaceutica Sinica*, 2005; 40(1): 27-31.
384. Li J, Li E, Yang B, Qu S. Effects of prevention and treatment on anti-stress gastric ulcer of Kuiyangling. *Chinese Journal of Integrated Traditional and Western Medicine*, 2005; 25(1): 41.
385. Sun H, Wang H, Meng R, Zhou J, Jiao J, Yang B. The study on arsenic trioxide-induced QT interval prolongation and underlying ionic targets. *Chinese Journal of Endemiology*, 2005; 24(5): 488-490.
386. Xu C, Jiao J, Sun H, Gong D, Yang B. Effects on experimental animals thrombosis and related hematological indices by PPA. *Chinese Traditional and Herbal Drugs*, 2005; 36(9): 1367-1369.
387. Jiao J, Yue P, Du Z, Dong D, Ai J, Yang B. Inhibitory effects of chloride channel blockers NPPB on proliferation of human glomerular mesangial cells. *Acta Pharmaceutica Sinica*, 2005; 40(8): 686-689.
388. Dong D, Song W, Ma P, Yang B. Arsenic trioxide-induced Hela cell death is partially prevented by K⁺ channel blockers. *Acta Pharmaceutica Sinica* 2005; 40(7): 644-648.
389. Pan Z, Wang Z, Du Z, Jiao J, Dong D, Yang B. Establishment of a novel arrhythmia model in rats. *Acta Pharmaceutica Sinica*, 2005; 40(7): 659-662.
390. Ai J, Wang N, Yang M, Du Z, Zhang Y, Yang B. Development of Wistar rat model of insulin resistance. *World Gastroenterol* 2005; 11(24): 3675-3679.
391. Yang B, Wang Z. Cancer, A K⁺ Channelopathy? *Life Sciences*, 2005; 3: 93-130.
392. Liu Y, Zhou Y, Shan H, Feng T, Qiao G, Yang B. Effects of dl-tetrahydropalmatine on potassium current in isolated myocytes of guinea pig. *Chinese Pharmacological Bulletin*, 2005; 21(5): 599-601.
393. Zhong X, Ai J, Wang N, Wang J, He S, Yang B. Effect of Daming capsule on the L-type calcium channel protein mRNA expression in the cardiomyocyte of the type 2 diabetes rats. *Chinese Pharmacological Bulletin*, 2005; 21(5): 618-621.
394. Yang B, Wang Z. cancer, a K⁺ channelopathy? *Recent Res Devel Life Sci* 2005; 3: 1-38.
395. Wang L, Zhang J, Li Q, Ai J, Yang M, Yang B. Primary rehabilitative intervention of diabetes mellitus: relationship between changes of serum adiponectin and oxidative stress and insulin resistance in patients with different glucose tolerance. *Journal of Clinical Rehabilitative Tissue Engineering Research*, 2005; 9(11): 72-73.
396. Du Z, Chen R, Yang B. Analysis of *Taxus cuspidata* twigs and leaves by HPLC-FPS. *Chinese Traditional and Herbal Drugs*, 2005; 36(1): 106-108.
397. Du Z, Liu Y, Yang B. Culture and evaluation of rat's mesenteric lymphatic endothelium in vitro. *Chinese Pharmacological Bulletin*, 2005; 21(1): 120-123.
398. Liu Y, Xu C, Jiao J, Wang H, Dong D, Yang B. M3-R/IKM3-----a new target of antiarrhythmic agents. *Acta Pharmaceutica Sinica* 2005; 40(1): 8-12.

399. Ai J, Du J, Wang N, Du Z, Yang B. Inhibition of small-intestinal sugar absorption mediated by sodium orthovanadate Na_3VO_4 in rats and its mechanisms. *World J Gastroenterol* 2004;10(24):3612-3615.
400. Zhou J, Meng R, Yang B. Comparing two arsenic trioxide administration methods in APL therapy. *Chinese Medical Journal*, 2004 SEP; 117 (9): 1411-1413.
401. Ai J, Wang N, Wang J, Yang M, Liu P, Du Z, Yang B. Establishment of type 2 diabetic animal model in Wistar rats. *Chinese Pharmacological Bulletin*, 2004; 20(11): 1309-1312.
402. Yang B, Li B, Zhou Y, Dong D, Shan H, Wang L. Inhibitory effects of matrine, E-4031, dofetilide and RP58866 on inward rectifier potassium current in rabbit ventricular myocytes. *Chinese Journal of Pharmacology and Toxicology*, 2004;18(2):407-414.
403. Wang N, Ai J, Yang M, Fang Z, Du Z, Yang B. Effect of sodium orthovanadate on GLUT4 mRNA expression in the skeletal muscle of type 2 diabetic rats. *Chinese Pharmaceutical Journal*, 2004; 39(11): 820-830.
404. Zhou J, Meng R, Sun H, Li B, Yang B. Effects of arsenic trioxide on cytosolic calcium concentration in ventricular myocardium of guinea pig. *Chinese Pharmaceutical Journal*, 2004; 39(11): 831-834.
405. Zhou J, Meng R, Yang B. The ferrohemoglobin affects blood arsenic concentration and individual arsenic tolerance. *Blood*, 2004;104 (11): 360A-361A 1277 Part 1.
406. Zhou J, Meng R, Meng L, Yang B. Effects of arsenic trioxide on protein kinase C and cytosolic calcium in ventricular myocardium of guinea pig. *Blood*, 2004;104 (11): 172B-172B 4352 Part 2.
407. Zhou J, Meng R, Yang B. Effect of administration styles of arsenic trioxide on the intracellular arsenic concentration and the efficiencies of differentiation and apoptosis. *Blood*, 2004;104 (11): 195B-195B 4450 Part 2.
408. Zhou J, Meng R, Yang B. Compare two arsenic trioxide administration methods in APL therapy. *Blood*, 2004; 104 (11): 209B-210B 4505 Part 2.
409. Zhou J, Meng R, Yang B, Li B. Effects of protein tyrosine kinase, protein tyrosine phosphatase and protein kinase C on the apoptotic process of leukemia cells and human cortex neurons managed by arsenic trioxide. *Blood*, 2004;104 (11): 195B-195B 4451 Part 2.
410. Zhou J, Meng R, Liu Y, Wang W, Li B, Yang B. Clinical and experimental study on cardiac effects of general dosage arsenic trioxide on APL patients. *British Journal of Haematology*, 2004 APR; 125: 20-20 63 Suppl.
411. Zhou J, Meng R, Guan X, Li L, Yang B. Sensitivity and As_2O_3 concentration in cell. *British Journal of Haematology*, 2004 APR; 125: 21-21 66 Suppl.
412. Zhou J, Meng R, Yang B. Random and contrast study on two arsenic trioxide administration methods in APL therapy. *BRITISH JOURNAL OF HAEMATOLOGY*, 125: 21-21 67 Suppl. 1 APR 2004; 125: 21-21 67 Suppl.
413. Zhang L, Wang L, Song W, Wen W, Sun H, Wu Z, Yang B. Apoptosis of human pulmonary adenocarcinoma cells mediated by arsenic trioxide (As_2O_3) via increasing intracellular calcium concentration. *Chinese Pharmacological Bulletin*, 2004; 20(8): 867-870.
414. Liu Y, Sun H, Wu H, Gao Y, Li H, Yang B. Protective effect of M3 receptor on H_2O_2 -induced apoptosis of rat myocardial cells in vitro. *Acta Pharmaceutica Sinica* 2004;39(11):887-891.

415. Yang B. A novel antiarrhythmic target-M3-R/IKM3.(Proceedings of the 5th China-France Pharmacological Joint Symposium). *Acta Pharmacol Sin* 2004 ;25(11):1527-1528.
416. Fu G, Wang T, Yang B, Lv F, Shi C, Jiang X, Tian L, Yu W, Naotaka Hamasaki. Purification and Characterization of the Human Erythrocyte Band 3 Protein C-Terminal Domain . *Biochemistry* 2004;43,1633-1638.
417. Wang H, Shan H, Sun H, Chen Q, Zhang Y, Yang B. Effects of Cordyceps sinensis on intracellular calcium concentration and L-type calcium current of ventricular myocytes in guinea pig. *Chinese Traditional and Herbal Drugs*, 2004; 35(8): 895-898.
418. Zhang L, Yang Y, Yang B. Dendritic cell subsets and their functions. *Foreign Medical Sciences (Section of Immunology)*, 2004; 27(5): 260-263.
419. Chen Q, Shan H, Sun H, Wang H, Yang B. Effects of cycloviobuxine D on intracellular Ca²⁺ and L-type Ca²⁺ current in rat ventricular cardiomyocytes. *Acta Pharmaceutica Sinica*, 2004; 39(7): 500-503.
420. Xu C, Dong D, Du Z, Chen Q, Gong D, Yang B. Comparison of the anti-arrhythmic effects of matrine and berbamine with amiodarone and RP58866. *Acta Pharmaceutica Sinica*, 2004; 39(9): 691-694.
421. Zhang Y, Li H, Sun J, Zhang Y, He S, Yang B. Hawthorn fruit extraction and isolation of total flavonoids and anti-tumor activity in vitro *Chinese Traditional and Herbal Drugs*, 2004; 35(7): 787-789.
422. Dong D, Liu Y, Zhou Y, Song W, Wang H, Yang B. Decreases of voltage-dependent K⁺ currents densities in ventricular myocytes of guinea pigs by chronic oxidant stress. *Acta Pharmacol Sin*, 2004;25(6):751-755.
423. Shi H, Wang H, Yang B, Xu D, Wang Z. The M3 Receptor-mediated K⁺ Current(I_{KM3}), a G_q Protein-coupled K⁺ Channel. *The Journal of Biological Chemistry*, 2004;279(21):21774-21778.
424. Wang H, Zhou Y, Shan H, Chen Q, Zhang Y, Yang B. Impact on individual potassium channels in ventricular myocytes of Cordyceps extract. *Chinese Pharmacological Bulletin*,2004;20(5):536-539.
425. Lin D, Hyacinth Sterling, Yang B, Steven C.Hebert, Gerhard Giebisch, Wang W. Protein tyrosine kinase is expected and regulates ROMK1 location in the cortical collecting duct. *Am J Physiol Renal Physiol* 2004,286:F881-F892.
426. Jing Y, Gong D, Bai Y, Liu Y, Yang B. Study of electrophysiological characteristics of ventricular myocytes in quail. *Journal of Harbin Medical University*, 2004; 38(2): 102-105.
427. Wu H, Ai M, Xu C, Shi J, Xiao J, Zhang L, Yang B. Effects of lithagogue-drinking on blood lipid in rats with hyperlipidemia. *Journal of Harbin Medical University*, 2004; 38(2): 143-145.
428. Shi J, Li B, Sun H, Gu D, Li L, Wu B, Yang B. Variation of [Ca²⁺]_i induced by arsenic trioxide in human lung adenocarcinoma cell line. *Journal of Harbin Medical University*, 2004; 38(2): 146-148.
429. Gong D, Shang H, Zhou Y, Dong D, Yang B. The ion targets of arrhythmias induced by ouabain and aconitine in guinea pig and rat ventricular myocytes. *Acta Pharmaceutica Sinica*, 2004; 39(5): 328-332.
430. Liu Y, Jing Y, Sun H, Li H, Yang B. Relationship between M3 receptor and myocyte apoptosis induced by acute myocardial infarction. *Acta Pharmaceutica Sinica*, 2004; 39(5): 338-341.

431. Yang B, Xu D, Xu C, Li Z, Du Z, Wang H, Dong D. Inactivation gating determines drug potency: a common mechanism for drug blockade of HERG channels. *Acta Pharmacologica Sinica*, 2004; 25 (5) : 554-560.
432. Dong D, Li Z, Wang H, Du Z, Song W, Yang B. Acidification alters Antiarrhythmic Drug Blockade of the ether-a-go-go-related Gene(HERG)Channels. *Basic & Clinical Pharmacology & Toxicology*, 2004; 94:209-212.
433. Sun H, Xu C, Li Z, Yu X, Yang B. Effect of oxymatrine on $[Ca^{2+}]_i$ in single ventricular myocyte of guinea pig. *Chinese Pharmaceutical Journal*, 2004; 39(4): 264-266.
434. Li E, Zheng F, Yang B, Jia H, Gao H, Li W. Impact of their own carbon dioxide absorbing moisture to decomposition reaction of sevoflurane *Chinese Journal of Anesthesiology* ,2004;24(2):141-143.
435. Qu Z, Liu J, Yang L, Yang B. Structural and functional aspects of influenza virus RNA polymerase. *Chinese Journal of Tuberculosis and Respiratory Diseases*, 2004; 27(4): 261-263.
436. Yang D, Zhang Y, Yue W, Yang B. Application of several hemostatic material in the liver trauma. *Chinese Journal of Trauma*, 2004; 20(2): 111-112.
437. Wang S, Yang B, Sun C, Bao Y. Effects of Se on COX- 2 mRNA expression. *Chinese Journal of Public Health*, 2004; 20(5): 570-571.
438. Hu S, Wang Q, Yue W, Yang B. Microsurgical operation with photodynamic therapy for cerebral gliomas. *Chinese Journal of Neurosurgery*, 2004; 20(1): 30-32.
439. Jiang L, Li E, Yang B, Zheng F. Effect of water content of carbon dioxide absorbents on the products from sevoflurane breakdown in a closed-chamber. *Journal of Clinical Anesthesiology*, 2004; 20(1): 32-34.
440. Du Z, Ru F, Zhang B, Sun K, Yang B. Determination of Anshen Capsules Jujuboside A by HPLC. *Chinese Traditional and Herbal Drugs*, 2004; 35(3): 277-279.
441. Yang M, Ai J, Wang N, He S, Yang B. Effects of Xue Tang An on the activity of pyruvate kinase in type 2 diabetic rats. *Journal of Harbin Medical University*, 2004; 38(1): 16-18.
442. Du Z, Chen R, Liu F, Yang B. Determination of 10-deacetylbaccatin III in *Taxus cuspidata* branches and leaves by HPLC. *Chinese Traditional and Herbal Drugs*, 2004; 35(4): 398-399.
443. Ji Y, Gao S, Ji H, Kong Q, Zhang X, Yang B. Anti-neoplastic efficacy of Haimiding on gastric carcinoma and its mechanisms. *World Journal of Gastroenterology*, 2004 ; 10 (4) : 484-490.
444. Zhang F, Yang B, Gu H, Chen X, Zhong Z, Cheng Z. Effects of tacrolimus on infection of Friend murine leukenmia virus to Fv-4 gene heterozygous mice. *Acta Pharmacologica Sinica*, 2004; 25(2): 208-212.
445. Liu J, Chen B, Yang B, Dong H, Sun C, Wang Q, Song G, Song Y. Apoptosis of human gastric adenocarcinoma cells induced by β -ionone. *World Journal of Gastroenterology* 2004; 10(3): 348-351.
446. Liu Y, Shan H, Sun H, He S, Yang B. Effects of emodin on the intracellular calcium concentration ($[Ca^{2+}]_i$) and L-type calcium current of the single ventricular myocytes from guinea pig. *Acta Pharmaceutica Sinica*, 2004; 39(1): 5-8.

447. Liu J, Yang B, Chen B, Yang Y, Dong H, Song Y. Inhibition of b-ionone on SGC-7901 cell proliferation and upregulation of metalloproteinases-1 and -2 expression. *World Journal of Gastroenterology*. 2004;10(2):167-171.
448. Wang J, Zhang Y, Wang H, Han H, Stanley Natel, Yang B, Wang Z. Potential mechanisms for the enhancement of HERG K⁺ channel function by phospholipids metabolites. *British Journal of Pharmacology*, 2004;141:586-599.
449. Yang B, Wang Z. Cardiac M3 receptor: To be or not to be, that is the question. *Life Science*,1(2003):73-95.
450. Ding W, Li E, Yang B, Zheng F, Li W. Carbon monoxide produced from degradation of desflurane reacting with different carbon dioxide absorbents in a closed anesthesia circuit. *Chinese Journal of Anesthesiology*, 2003; 23(9): 685-688.
451. Zhou J, Meng R, Lu C, Liu Z, Yang G, Yang B. Study on Cardiac Side effects of Arsenic Trioxide Intravenous Infusion on APL Therapy. *Chinese Journal of Clinical Oncology*,2003;30(11):809-811.
452. Zhou J, Meng R, Li L, Liu Y, Li B, Yang B. Effects of artemisinin on human leukemia cell lines and primary cells. *Chinese Journal of Internal Medicine*,2003;42(10):713-714.
453. Zhou J, Meng R, Li X, Lu C, Fan S, Yang B. The effect of arsenic trioxide on QT interval prolongation during APL therapy. *CHINESE MEDICAL JOURNAL*, 2003 ; 116 (11): 1764-1766.
454. Qiao G, Yang B, Li W, Li B. Effects of artemisinin on action potentials from C-type nodose ganglion neurons. *Acta Pharmacol Sinica*, 2003; 24(9): 937-942.
455. Chen Q, Shan H, Wang H, Li Z, Yang B. Mechanisms of Cyclovirobuxine D on APD Prolongation in Rat Ventricular Myocytes. *Journal of Chinese Pharmaceutical Science*, 2003;12(3):142-147.
456. Ai J, Du J, Du Z, Yang B. The effect of sodium orthovanadate on sugar absorption of small intestine in rats. *Chinese Pharmacological Bulletin*, 2003; 19(9): 1028-1031.
457. Du Z, Zhang Y, Liu Y, Yang B. Determination of berberine of cardiac Thai flat Tablets by HPLC. *Chinese Traditional and Herbal Drugs*,2003;34(8):714-715.
458. Yang B. Rely on scientific and defeat SARS, improve rapid response capability of preventive medicine of Heilongjiang Province. *Vitality*,2003;7():13-14.
459. Wang R, Xu C, Zhao W, Zhang J, Cao K, Yang B, Wu L. Calcium and polyamine regulated calcium-sensing receptors in cardiac tissues. *European Journal of Biochemistry*, 2003;2680-2688.
460. Long H, Han H, Yang B, Wang Z. Opposite Cell Density-Dependence between Spontaneous and Oxidative Stress-Induced Apoptosis in Mouse Fibroblast L-Cells. *Cellular Physiology and Biochemistry*,2003;13:401-414.
461. Zhang L, Gerile Wulan, Qiao G, Yang B. Effects of Herbal Medicine Ruxianwan on Breast Hyperplasia in Rats. *Chinese Journal of Surgery of Integrated Traditional and Western Medicine*,2003;9(1):39-41.
462. Yang B. Study on the Best Targets of Antiarrhythmic Drugs. *Advances in Pharmacology in 2003*,2003;164-167.
463. Yang B. Building a well - off society in an all - round way and deepening the education reform. *Chinese Journal of Medical Education*,2003;4:1-2.

464. Long J, Wang H, He S, Yang B. Toxicity of XTA on guinea pig myocardial cells. *Journal of Harbin Medical University*,2003;37(1).
465. Wang H, Long J, Wang L, Yang B. The Protective Effect of Lumbrokinase on the Experiment Cerebral Ischemia in Rat. *Chinese Journal of Arteriosclerosis*,2003;11(1):31-35.
466. Du J, Ai J, Yang B. Hypoglycemia effect of sodium orthovanadate on diabetes rats. *Chinese Pharmacological Bulletin*, 2003;19(3):322-325.
467. Zhao C, Jin L, Yang B, Shen J, Yu Y, Guo C, Zhang L. The experimental studies of Cardiomyocytes transplantation treating heart failure after myocardial infarction. *Chinese Journal of General Medicine*,2003;2(1):1-3.
468. Yang B, Shan H, Zhou Y, Gong D, Dong D, Du Z. Construction of a new model for screening antiarrhythmic drugs. *Chinese Pharmacological Bulletin*, 2003; 19(2): 217-221.
469. Zhang Y, Han H, Wang J, Wang H, Yang B, Wang Z. Impairment of HERG (human ether-a-go-go related gene) K⁺ channel function by hypoglycemia and hyperglycemia: Similar phenotypes but different mechanisms. *The Journal of Biology Chemistry*. 2003; 278(12):10417-10426.
470. Shi H, Yang B, Xu D, Wang H, Wang Z. Electrophysiological Characterization of Cardiac Muscarinic Acetylcholine Receptors: Different Subtypes Mediate Different Potassium Currents. *Cellular Physiology and Biochemistry*, 2003;13(2):59-74.
471. Zhang Y, Han H, Wang J, Wang H, Yang B, Wang Z. Impairment of HERG (human ether-a-go-go related gene) K⁺ channel function by hypoglycemia and hyperglycemia: Similar phenotypes but different mechanisms. *Circulation*, 2003; 20:107 (19): 15.
472. Zhang Y, Han H, Wang J, Wang H, Yang B, Wang Z. Impairment of human ether-a-Go-Go-related gene (HERG) K⁺ channel function by hypoglycemia and hyperglycemia - Similar phenotypes but different mechanisms. *JOURNAL OF BIOLOGICAL CHEMISTRY*, 2003;278 (12): 10417-10426.
473. Zhang Y, Wang H, Wang J, Han H, Stanley Nattel, Yang B, Wang Z. Normal function of HERG K⁺ channels expressed in HEK293 cells requires basal protein kinase B activity. *FEBS letters*, 2003; 534:125-132.
474. Shi H, Wang H, Han H, Xu D, Yang B, Stanley Nattel, Wang Z. Ultrarapid Delayed Rectifier K⁺ Current in H9c2 Rat Ventricular Cell Line: Biophysical Property and Molecular Identity. *Cellular Physiology and Biochemistry*, 2002;12:215-226.
475. Wang L, Xu C, Pan Z, Wu Z, Yang B. Therapeutic effect of "Weiyanyao" on atrophic gastritis induced by salicylate of rats. *Journal of Harbin University of Commerce (Natural Sciences Edition)*, 2002;18(6):603-606.
476. Wang H, Li Y, Cao W, Han H, Wang J, Yang B, Stanley Nattel, Wang Z. HERG K⁺ Channel, a Regulator of Tumor Cell Apoptosis and Proliferation. *Cancer Research*, 2002; 62: 4843-4848.
477. Du Z, Liu Y, Zhang Y, Yang B. Determination of the heart of the Thai flat sheet Glycyrrhizinate. *Chinese Traditional and Herbal Drugs*, 2002; 33(9): 807.
478. Du H, Fu G, Jiang X, Long X, Zhang Z, Yang B, Kong X. The Study on The Interaction Between Band3 C-Ternimus and Glycophorin A and Their Immunologic Cross-link Relation. *Progress in Biochemistry and Biophysics*,2002;29(2):240-246.

479. Fu G, Du H, Li H, Liu L, Wang T, Yang B. Expression and characterization of anion exchanger 1(AE1)55 kD transmembrane region and glycophorin A. *PROGRESS IN NATURAL SCIENCE*, 2002 ; 12 (3) :227-230.
480. Zhang H, Song W, Wang X, Liu M, Dong D, Yang B. Effect of MICOM on the colorectal cancer line Ls-174-T. *Journal of Harbin Medical University*,2002;36(5):366-368.
481. Zhou Y, Shan H, Dong D, Gong D, Yang B. New target for anti-heart arrhythmia drugs. *Journal of Harbin Medical University*,2002;36(5):348-350.
482. Shan H, Xu C, Yang B, Li Y, Xu C. Protective effect of safflower yellow pigment on oxygen-derived free-radical induced physiological abnormality of cardiomyocytes. *Journal of Harbin Medical University*,2002;36(4):259-262.
483. Zhao W, Xu C, He S, Wang L. The thrombolysis effects of lumbrokinase on the arteriovenous shunt thrombosis in rabbits. *Journal of Harbin Medical University*,2002;36(3):183-185.
484. Yu H, Xu C, Shan H, Dong D, Yang B, Lou Y. Effect of tanshinone II-A on potassium currents in rat ventricular myocytes. *Journal of Harbin Medical University*,2002;36(2):112-114.
485. Dong Z, Fu T, Wang X, Yang B, Wang X. An experimental study of Herba Asari lignin on the heart allograft survival. *International Journal of Cardiovascular (Edition) 2002*; 4 (1): 70.
486. Dong Z, Dong D, Li S, Chen Y, Yang B. Immunological Tolerance Induced by Combination of Donor Spleenocyte and Herba Asari Lignin on the Heart Allograft Rats. *China Pharmaceuticals*,2002;11(5):46.
487. Wang L, Song W, Wu Z, Yang B. Therapeutic effect of "Weiyanyao" on atrophic gastritis. *Chinese journal of medicine and health care*,2002;1(2).
488. Li X, Zhou J, Yang B. Clinical research of arsenic trioxide induced QT prolongation syndrome. *Chinese Journal of Internal Medicine*. 2002 (6).
489. Yang B, Dong D, Du Z, Shan H, Gong D. Study on the Best Targets of Antiarrhythmic Drugs. *Chinese Journal of Pathophysiology*,2002;28(13):1792.
490. Zhou Y, Shan H, Yang B. Effect of Quinidine, verapamil evoked action potential duration changes on Aconitine. *Journal of Chinese Pathophysiology*, 2002; 18(13): 1801.
491. Ai J, Gao H, He S, Yang B. Effects of artemisinin on acute isolated guinea pig ventricular myocytes cytosolic Ca²⁺ concentration. *Journal of Chinese Pathophysiology*, 2002; 18(13): 1811.
492. Li B, Yang B. Mechanism of human cardiac HERG channel is blocked by anti-arrhythmic drugs. *Chinese Pharmacological Society Eighth National People's Congress and the National Conference Abstracts of Pharmacology*,2002:104.
493. Wang L, Yang B. Altered Ischemic Cerebral Injury in Mice Lacking aIE Subunit of the Voltage-dependent Ca²⁺ Channel. *Journal of Harbin Medical University*, 2002; 36 (6) : 19.
494. Dong H, Song W, Sun J, Wang L, Yang B. Effect of artemisinin on the growth of HeLa cells. *Journal of Harbin Medical University*,2002;36(6):423-425.
495. Gong D, Shan H, Dong D, Zhou Y, Yang B. Study of ion targets in Ouabain-induced rat arrhythmia. *Journal of Harbin Medical University*,2002;36(2):87-90.

496. Sun H, Luo D, Chen Q, Dong D, Yang B. Effect of berberine on cytosolic free calcium concentration in isolated ventricular myocytes of adult rats. *Journal of Harbin Medical University*, 2002; 36(1):19-22.
497. Wang J, Wang H, Han H, Zhang Y, Yang B, Nattel S, Wang Z. The phospholipid metabolite 1-palmitoyl-lysophosphatidylcholine enhances HERG K⁺ channel function. *BIOPHYSICAL JOURNAL*, 2002 ; 82 (1): 2850 Part 2.
498. Zhang Y, Yang D, Yue W, Baofeng Yang. Researches on the preparation of shuning absorbable hemostasis material. *Journal of Harbin Medical University*, 2002; 36(1):71-27.
499. Yang D, Zhang Y, Yang B, Wu Y. Researches on the Physicochemical Properties and Hemostatic Effect of Shuning Absorbable Hemostasis Material. *Journal of Harbin University of Commerce(Natural Sciences Edition)*, 2002;18(1):39-42.
500. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Influence of sea pyrimidine on apoptosis of SGC-7901 human stomach cancer cells. *Journal of Harbin Institute of Technology*,2002;34(1):91-94.
501. Yang B, Shan H, Gong D, Dong D, Du Z. Study on the Best Targets of Antiarrhythmic Drugs. *Journal of Harbin University of Commerce(Natural Sciences Edition)*, 2002;18(1):1-5.
502. Wang H, Yang B, Zhang Y, Han H, Wang J, Shi H, Wang Z. Different Subtypes of α 1-Adrenoceptor Modulate Different K⁺Currents via Different Signaling Pathways in Canine Ventricular Myocytes. *The Journal of Biology Chemistry* ,2001;276(44):40811-40816.
503. Wang J, Wang H, Han H, Zhang Y, Yang B, Wang Z. Phospholipid metabolite 1-palmitoyl-lysophosphatidylcholine enhances HERG K⁺ channel function. *Circulation* 2001,104(22):2645-2648.
504. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Influence of sea pyrimidine on [Ca²⁺]i in tumor cells. *Journal of Harbin Institute of Technology*, 2001; 33(3): 309-317.
505. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Effect of Haimiding on Cellular Morphology Concentration of Cell Nucleus DNA and Intercellular Communication of BGC-283. *Journal of Harbin University of Commerce*,2001;17(3):1-3.
506. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Effect of Alga Polysaccharid on P53 Gene Expression of Tumor Tells. *Journal of Harbin University of Commerce*,2001;17(2):1-3.
507. Ji Y, Kong Q, Gao S, Jiang W, Yang B. Influence of SFPS on Activities of Na⁺,K⁺-ATPase in Erythrocyte Membrane of Mice Bearing Tumor. *Journal of Harbin University of Commerce*,2001;17(1):1-3.
508. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Effect of sea pyrimidine on apoptosis of human gastric cancer cell SGC-7901. *Chinese Traditional and Herbal Drugs*, 2001,32 (10): 901-904.
509. Ji Y, Zhang X, Kong Q, Gao S, Yang B. Effect of Haimidin on lipid fluidity in erythrocyte membrane and DNA content in normal and H22 tumor bearing mice. *Chinese Traditional and Herbal Drugs*,2001; 32(8): 713-715.
510. Ji Y, Gao S, Kong Q, Zhang X, Yang B. Experimental studies on antitumor activities of Haimiding. *Chinese Traditional and Herbal Drugs*,2001; 32(6): 524-527.
511. Shan H, Zhang X, Gu R, Luo D, Yang B. Effect of erysimin G on renal tubular function and 70-pS K⁺ channel activity of thick ascending limb. *Acta Pharmacol Sin*, 2001; 22(5): 411-414.

512. Ai J, Gao H, He S, Wang L, Luo D, Yang B. Effects of matrine, artemisinin, and tetrandrine on cytosolic $[Ca^{2+}]_i$ in guinea pig ventricular myocytes. *Acta Pharmacol Sin*, 2001;22 (6) : 512-515.
513. Liu Y, Wang Y, Ma M, Zhang Y, Li H, Chen Q, Yang B. Cardiac-hemodynamic effects of M3 receptor agonist on rat and rabbit hearts. *Acta Pharmaceutica Sinica*,2001;36(2):84-87.
514. Chen Q, Sun J, Zhang Y, Luo D, He S, Yang B. Experimental studies on the antiarrhythmic effect of Xintaiping. *Journal of Harbin Medical University*, 2001; 35 (1): 1-3.
515. Zhang Y, Luo D, Yang B, Liu Y. Treatment effect of stomach bao particle on chronic atrophic gas tritis. *Traditional Chinese Drug Research and Clinical Pharmacology*,2001;12(1):32-35.
516. Li H, Zhang Y, Xu C, Sun J, He S, Yang B. Mechanism research of inhibitory effect of a traditional Chinese drug HB on the growth of Hep-2 cell. *Journal of Harbin Medical University*, 2001; 35 (4): 261.
517. Ai J, Guo J, Zhang Y, Liu X, He S, Yang B. Study on the diabetic model induced by alloxan in Wistar rats. *Journal of Harbin Medical University*, 2001; 35 (2): 94-96.
518. Sun J, Chen Q, Zhang Y, Guo C, He S, Yang B. Effects of CD on the hemodynamics of left ventricle in canine myocardial infarction model. *Journal of Harbin Medical University*, 2001; 35 (2): 97-99.
519. Zhang Y, Li H, Zhang Y, Yuan S, Yang B. Study on extraction methods of flavonoids from hawthorn fruits and their determination. *Journal of Harbin Medical University*, 2001; 35 (3): 183-184.
520. Li B, Yang B, Zhou J, Xu C, Li Y. Inhibitory effects of berberine on I_{K1} , I_{K} and HERG channels of cardiac myocytes. *Acta Pharmacologica Sinica*. 2001; 22(2): 125-131.
521. Chen Q, Zhang X, Zhang Y, Sun J, Yang B. Effect of liquid Fc blast injury on intracellular free calcium in rat neural cells in vitro and PH. *Acta Pharmaceutica Sinica*, 2001; 36(5): 339-342.
522. Luo D, Yang B, Li Y, Sun M. Interaction of Ca^{2+} entries between capacitance-mediated and arachidonic acid-mediated pathways. *Journal of Harbin medical University* 2001,35(2):59-93.
523. Wang H, Shi H, Yang B. Nicotine Is a Potent Blocker of the Cardiac A_v-Type K⁺ Channels. Effects on Cloned Kv4.3 Channels and Native Transient Outward Current. *Circulation*.2000; 102:1165-1171.
524. Wang Z, Wang H, Shi H, Yang B, Han H, Yang X. Proton modulates the kinetics and enhances drug blockade of the human HERG channels. *BIOPHYSICAL JOURNAL*, 2000;78 (1): 2017Pos Part 2.
525. Wang H, Shi H, Yang B, Wang Z. Inactivation gating determines the drug potency: A common mechanism for drug blockade of HERG channels. *BIOPHYSICAL JOURNAL*, 2000; 78 (1): 2026Pos Part 2.
526. Li Y, Yang B, Xu C, Zhou J, Yang Y, Zhang J, Sun M. Inhibit effect of antiarrhythmic drugs PR62719 on muscle K⁺ current mammalian ventricular. *Journal of Physiology*,2000;52(5):427-430.
527. Song L, Zhao D, Xiao H, Bi M, Yang B. An experimental study of epileptic seizures in rats Ning. *Journal of Traditional Chinese Medicine*,2000;2:64-65.

528. Xu C, Li Y, Yang B, Shan H, Sun K, Li Q, Zhu S. The basis of oxygen free radicals induced transmembrane potential in guinea pig ventricular myocytes change the ion current. *Chinese Journal of Applied Physiology*, 2000;16(2):121-124.
529. Li B, Yang B, Hao X, Zhou H, Sun M. Study on the pharmacokinetics of berberine in single dosage and coadministration with oryzanol in rabbits and healthy volunteers. *Chinese Pharmaceutical Journal*, 2000;35(1):33-35.
530. Dong D, Sun J, Luo D, Chen Q, Wang F, He S, Yang B. Effects of berberine on guinea pig ventricular myocytes in the cytosolic free calcium concentration. *Chinese Journal of Pharmacology and Toxicology*, 2000;14(2):128-130.
531. Ai J, Gao H, Wang Y, Liu Y, He S, Yang B. Effects of matrine on $[Ca^{2+}]_i$ in single guinea-pig ventricular myocytes. *Journal of Harbin Medical University*, 2000; 34 (4): 235-236.
532. Wang H, Yang B, Zhang L, Xu D, Wang Z. Direct block of inward rectifier potassium channels by nicotine. *Toxicol Appl Pharmacol*. 2000 Apr 1;164(1):97-101.
533. Li G, Yang B, Sun H, Clive M. Baumgarten. Existence of transient outward K^+ current in guinea pig cardiac myocytes. *Am J Physiol Heart Circ Physiol*, 2000; 279: H130-H138.
534. Wang H, Shi H, Liu Y, Yang B, Yang Z. Pilocarpine modulates the cellular electrical Properties of mammalian hearts by activating a cardiac M3 receptor and a k^+ current. *Br J Pharmacol*, 1999;126:1725-1734.
535. Yang B, Sun J, Li G, Stanley Nattel, Zhou J, Gao H. III antiarrhythmic drug RP58866 in guinea pigs and dogs inward rectifier and transient outward potassium current. *Acta Pharmaceutica Sinica*, 1999; 34(10): 730-733.
536. Shi H, Wang H, Lu Y, Yang B, Wang Z. Choline modulate cardiac membrane repolarization by activating an M3 muscarinic receptor and its coupled K^+ channel. *J Membrane Biol*, 1999,169:55-64.
537. Yang B, Xu C, Li Y. Inhibition effect of Artemisinin expression cloning for frog eggs inward rectifier potassium current. *Journal of Harbin Medical University*, 1999; 33 (1): 1-3.
538. Liu F, He S, Yang B, Song W. Protective effects of HPD on experimental acute liver injury. *Journal of Harbin Medical University*, 1999; 33 (5): 360-362.
539. Li Y, Hao C, Yang B, Xu C, Zhang J, Sun M. Copper on isoproterenol-induced damage affecting dolphin book ventricular L-type calcium channel currents. *Chinese Journal of Applied Physiology*, 1999;15(1):18-21.
540. Dong D, Luo D, Chen Q, Wang F, He S, Yang B, Wo X. Influence of KCl depolarization within the isolated guinea pig ventricular myocyte $[Ca^{2+}]_i$. *Journal of Harbin Medical University*, 1999; 33 (1): 9-11.
541. Zhou J, Du Z, Qiu X, Sun J, He S, Yang B. Mechanism of antiarrhythmic effect of the antimalarial artemisinin. *Acta Pharmaceutica Sinica*, 1999;34(8):569-572.
542. Yang B, Xu C, Li Y, Du Z, Zhou J, Sun J. Inhibition effects of artemisinin on cloned inward rectifier potassium channel *Chinese Journal of Pharmacology and Toxicology*, 1999;13(4):245-248.
543. Li B, Yang B, Li Y, Xu C, Luo D, He S. The effect and mechanism of Artemisinin antiarrhythmic *Chinese Pharmacological Bulletin*, 1999; 15(5): 449-452.

544. Li G, Yang B, Feng J, Raljph F, Bosch, Michel Carrier, Stanley Nattel. Transmembrane Ica contributes to rate-dependent changes of action potentials in human ventricular myocytes. *Am.J.Physiol* 1999;276: H98-H106.
545. Yang B, Xu C, Li Y, Du Z, Zhou J, Sun J. Inhibitory effect of artemisinin on cloned inward rectifier potassium channels. *Chinese Journal of Pharmacology and Toxicology*, 1999; 13(4): 245-248.
546. Shan H, Xu C, Liu F, Li Y, Yang B, Xu H, Lou Y. Currents of Safflower yellow on a single guinea pig ventricular myocytes and calcium. *Chinese Pharmacological Bulletin*,1999;15(4):351-354.
547. Yang B, Li Y, Xu C, Luo D, Li B, Wang H, Zhou J. Mechanisms of artemisinin antiarrhythmic action. *Chinese Journal of Pharmacology and toxicology*.1999;13(3);169-175.
548. Yang B, Li G, Xu C, Stanley NATTEL. Effects of RP58866 on transmembrane K⁺ currents in mammalian ventricular myocytes. *Acta Pharmacol sin*, 1999;20(11):961-969.
549. Xu C, Li Y, Sun K, Yang B, Shan H, Lou Y, Fu G. Effect of H₂O₂ on different potassium channel ionic currents of ventricular myocytes of guinea pig. *Chinese Journal of Pathophysiology*, 1999;15(9):773.
550. Li B, Hao X, Yang B. Study on the Pharmacokinetics of Berbarine in Rabbits. *Journal of Harbin Medical University*. 1998; 32(5):323-325.
551. Yang B, Xu C, Lou D, Du Z, Wang H, Li Y. Effects of artemisinin on transmembrane K⁺ currents in mammalian ventricular myocytes. *Asia Pacific of Pharmacology*, 1998; 13: 9-17.
552. Yang B, Luo D, Bao L, Zhang Y, Wang H. Artemisinin blocks activating and slowly activating K⁺ current in guinea pig ventricular myocytes. *Acta Pharmacologica Sinica* .1998 ; 19(3):269-272.
553. Wang H, Yang B, Luo D, Zhang J, Liao S. The study on artemisinin antiarrhythmic action. *Chinese Pharmacological Bulletin*,1998;14(1):94.
554. Yang B, Xu C, Luo D, Du Z, Wang H, Li Y. Artemisinin-based anti-arrhythmic effects of ion. *Journal of Chinese Academy of Sciences*,1998;2:50.
555. Chen Q, Yang B, Zhang Y, Luo D. Protective effects of Huang Su Valley myocardial ischemia in dogs. *Chinese Pharmaceutical Journal*, 1998;33(6):367.
556. Xu C, Yang B, Li Y, Shan H, Lou Y. Effects of H₂O₂ on guinea pig ventricular myocytes transmembrane potential and ionic currents. *Journal of Chinese Pathophysiology*,1998;14(7):896.
557. Xu C, Lou Y, Yang B, Li Y. Correlation effects when Tanshinone II-A inhibit L-type calcium current and shortening of action potential of single guinea pig myocytes. *Chinese Pharmacological Bulletin*,1998;14(5):428-431.
558. Yang B, Li G, S Nattel. Effects of RP 58866 and 62719 on transmembrane k⁺ currents in mammalian ventricular myocytes. *Biophysical*, 1997;72: 405.
559. Bao L, Luo D, Yang B, He S, Li W. Effects of Berbamine on PAF Production in Human Neutrophils and on Platelet Aggregation. *Journal of Chinese Pharmaceutical Sciences*, 1997;6(1):37-9.
560. Bao L, Li B, Yang B, Wang H, Hao X, Wu S, Li W. Pharmacokinetic study of oral administration of berberine. *Chinese Pharmacological Bulletin*,1997;13(1):95.

561. Li G, Yang B, Feng J, Bosch R, Nattel S. Action Potential Voltage-Clamp Reveals Important Contribution of Ca²⁺ Current to Rate-Dependent Changes in Human Ventricular Action Potentials. *JACC*.1997, ; 405A.
562. He S, Yang B, Bao L, He X, Zhong C. The protective effect of active bacteria in milk. *Food Science*,1997 Vof.18 No.6 51-54.
563. Hu X, Bao L, Li B, Yang B, Huai M. Hupureonebio in rabbit body of oral medicine generation of dynamics. *Journal of Mathematical Medicine*1997;10 (4) : 338-340.
564. Zhang J, Bao L, Dong X, Yang B, He S, Li W. The protective effect of Hupureonebio on acute myocardial ischemia and arrhythmia .*Journal of Harbin Medical University*1997;31(2):121-123.
565. He S, Bao L, He X, Yang B. Active bacteria milk on body's stress response in mice and the influence of MDA, and GSH-Px in the blood. *China's public health*, 1997; 13 (3) : 159.
566. Hao X, He S, Yang B, Hao X, Jia X. Scattered on experimental epilepsy of pharmacological research. *The heilongjiang medicine*, 284; (4) : 210-211.
567. Li B, Bao L, Hao X, Yang B. The second hydrogen berberine pharmacokinetic study in rabbit body. *Medical research and experiment*, 1997; 5 (4) : 1-2.
568. Luo D, Zhang N, Yang B, He S. The research on etiology. *Medicine and philosophy*, 1997; 18 (2) : 68-70.
569. Xu C, Sun M, Li Y, Yang B, Wang L, Li J. Inhibitory effect of tetrahydropalmatine on calcium current in isolated cardiomyocyte of guinea pig. *Acta Pharmocologica Sinica*, 1996; 17(4): 329-331.
570. Yang B, Luo D, Zhang Y, Bao L, Wang H, Li W. The anti-arrhythmic effects and mechanism of Huang Gusu. (*Chinese Pharmacological Bulletin, CPB*),1996; 12(3):274~6.
571. Bao L, Yang B, Feng B, Li B, He S, Li W. Priming effect of substance P on superoxide anion radical production in human neutrophils.*Chinese Journal of Pharmacology and Toxicology*, 1996; 10(2):93-7.
572. Bao L, Yang B, Feng B, He S, Li W. Substance P on neutrophils ultra oxygen anion generated activation.*Chinese journal of pharmacology and toxicology*.1996;10(2):97.
573. Li Y, Du Z, Yang B. Tetrahydropalmatine and EBP inhibition myocardial delayed outward potassium current and tail current of guinea pigs .*Chinese Journal of Pharmaceutics*996; 31(1): 40.
574. Li Y, Du Z, Sun Y, Xu C, Yang B, Sun M. Impact tetrahydropalmatine its derivatives on guinea pig atria single cell outward potassium currents. *Preclinical and clinica*,1996;16(4):72-74.
575. Luo D, Yang B, Li G. The effect of Ring horse ANI acid on nitric oxide, sodium nitrate tome and 8 -bromine guanosine ring to rabbit aorta phosphate relaxation.*Chinese journal of pharmacology and toxicology*1995;9(4):305-306.
576. Du Z, Yang B. Effect of flecainide on arrhythmias induced by ischemia and reperfusion in guinea pig working heart. *Acta Pharmacologica Sinica*.1995; 11 (1) : 61-3.
577. Yang B(the second author). The effect of Flecaine on heart ischemia perfusion induced arrhythmia of guinea pig.(*Chinese Pharmacological Bulletin, CPB*)1995; 11(1):61-63.
578. Xu C, Sun M , Yang B, Li Y. Protection of L-Tetrahydropalmatine on myocardium of rat. *Journal of Harbin Medical University*,1995; 29(3): 192-4.

579. Yang B. Electrophysiologic effects of flecainide in Guinea Pig Left Atrium. *Journal of Harbin Med Univ.* 1995;29 (2) :112—6.
580. Yang B, Chen Q, Zhang Y, Luo D, Li W, Jiang M. 7 - oxygen ethyl benzene four hydrogen bromide and Martin suppress outward potassium current and tail current. (*Chinese Pharmacological Bulletin, CPB*)1994;10(5):352-354.
581. Yang B, Du Z, KOHEI Sawada. Frequency and voltage-dependent inhibition of delayed outward potassium current by flecainide in isolated atria cell of guinea pig heart. *Acta Pharmacologica Sinica.*1994;15(1):28-32.
582. Yang B, Fang Z, Wan L, Zhang Y, Li W. Effect of 7- bromide ethoxy benzene tetrahydropalmatine to rabbit aortic strips and ileum specimens of guinea pig. *Journal of Harbin Medical University,* 1994; 28(3): 181-183.
583. Wang M, Wang X, Yang B, Li X, Zhao Y, Wu X. Protective effect of Schisandra to paracetamol hepatotoxicity. *Heilongjiang Medical Journal,* 1994; 12: 35.
584. Du Z, Yang B. E4031 and lidocaine combined with the effects on hemodynamics in rats. *Chinese Pharmaceutical Journal,* 1994; 29(5): 276-278.
585. Yang B , Li Y, Xu C, Li W, Sun M. Voltage-dependent inhibition of the delayed outward potassium current by benzyltetrahydropalmin in isolated atrial single cell of guinea pig heart. *Chinese Journal of Pharmacology and Toxicology.*1994; 8 (2) : 92-6.
586. Yang B, Kohei Sawada. Electrophysiological properties of Flecainide and AARL in Guinea Pig Right Atria. *Journal of Harbin Med Univ,* 1993; 27 (3) : 197-200.
587. Baofeng Yang etc. Mechanism of antiarrhythmic drugs flecainide-induced arrhythmias. *Journal of Chinese Pathophysiology,* 1993; 12(7): 866.
588. Baofeng Yang etc. Protective effect of Guanxin Ann on myocardial ischemia in anesthetized rats. *Journal of Chinese Pathophysiology,* 1993; 12(7): 860.
589. Yang B, Li B, Wu X, Li W. Effects of berbamine HCl on isolated working heart of guinea pig. *Chinese Pharmacological Bulletin,* 1991; 7(1): 67-69.
590. Li B, Yang B, Li W. Effects of berbamine on hemodynamics and myocardial reperfusion injury in isolated working rabbit hearts. *Acta Pharmacologia Sinica,* 1991 ; 12 (10) : 48-52.
591. Yang B, Zong X, Wang G, Yao W, Jiang M. Mechanism of 7- ethoxy benzene bromide tetrahydropalmatine antiarrhythmic. *Acta Pharmaceutica Sinica,* 1990; 25(7): 481-484.
592. Yang B, Yao W, Jiang M. Effect of 7- bromide ethoxy benzene tetrahydropalmatine on experimental arrhythmia. *Journal of Harbin Medical University,* 1990; 24(4): 253-255.
593. Li B, Yang B, Li W. Protective effects of berbamine on myocardial reperfusion damages in isolated working rabbit hearts. *European journal of pharmacology;* 1990; 183 (3) 787-788.
594. Yang B, Yao W, Xia G, Jiang M. The role of 7- bromide ethoxy benzene tetrahydropalmatine on papillary muscles and atrium in guinea pig. *Chinese Pharmacological Bulletin,* 1990; 6(5): 303-305.
595. Yang B, Yao W, Xia G, Jiang M. Effect of 7- bromide ethoxy benzene tetrahydropalmatine on Antiarrhythmic. *Chinese Journal of Pharmacology and Toxicology,* 1990; 4(2): 95-98.

596. Yang B, Jiang M. the role of 7- bromide ethoxy benzene tetrahydropalmitine on cardioplegia and ischemic heart work. Chinese Pharmaceutical Journal,1990; 25(8): 461-463.
597. Yang B, Li B, Jiang M. Electrophysiological study of 7-bromoe-thoxy-benzene-tetrahydro-palmitine in conventional microelectrode and voltage-clamped preparations. Journal of Harbin Medical University, 1989;22 (6) :403-7.
598. Yang B, Jiang M. The methods and evaluation of ischemia and reperfusion-induced arrhythmias. Chinese Pharmacological Bulletin, 1989; 5(2): 73-77.
599. Yang B, Jiang M. The role of 7- bromide ethoxy benzene tetrahydropalmitine on working heart isolated guinea pig. Acta Pharmaceutica Sinica, 1989; 24(2): 81-84
600. Yang B, Yao W, Xia G, Jiang M. Effect of 7- bromide ethoxy benzene tetrahydropalmitine to α_1 、 β_1 and H₂ etc receptors. Journal of Tongji University, 1989; 4: 255-257.
601. Li F, Bao L, Yang B, Wu X, Li W. Effect of Pantocrine on Chicken Developmen. Journal of Harbin Medical University, 1989; 23(6): 386-387.
602. Yang B, Du Z, Yao W, Zong X, Hu W.Effect of 7- bromide ethoxy benzene tetrahydropalmitine to α_1 and dopamine receptors. Journal of Harbin Medical University, 1989; 23(6): 381-385.
603. Yang B, Wang X, Li Y, Li W. [Effect of berbamine hydrochloride on experimentally-induced arrhythmias]. Yao Xue Xue Bao. 1987 Sep;22(9):700-3.

PATENT:

1. ZL03109063.X, Chinese Medicine Formula for Treating Hyperlipidemia (Daming Capsule).
2. ZL200410043943.9, A kind of traditional Chinese medicine for treating cardio-cerebral vascular disease.
3. ZL200410043945.8, Cardiomyocyte M₃ receptor and IKM₃ as a new application for screening drugs for the treatment of arrhythmia.
4. ZL200610151201.7, Pharmaceutical composition containing steroids.
5. ZL200710072024.8, Multi-target MIRNA antisense nucleotide technology.
6. ZL200710072728.5, A kind of preparation method of hypoglycemic traditional Chinese medicine.
7. ZL200710072727.0, Application of poplar leaf phenolic extract in the preparation of medicine for treating arrhythmia.
8. ZL200710144497.4, A drug-coated carrier for drug-coated vascular stent and preparation method of drug-coated vascular stent.
9. ZL200710144691.2, A kind of preparation method of Korean pine cone extract.
10. ZL200810182405.6, Jasmine flower extract and its preparation method and use.

11. ZL200910135756.6, Nucleotide sequence and detection method for detecting MIRCONAS content in samples.
12. ZL200910073111.4, A method for establishing an animal model of cardiac arrhythmia.
13. ZL201010252856.X, A method for establishing a heart-specific MICRORNA knockdown mouse model.
14. ZL201010259724.X, Preparation method and application of *Eucommia tomentosa* condensed tannin extract.
15. ZL201010297578.X, Extract of *Helichrysum chrysanthemum* flower and its preparation method and application.
16. ZL201010565415.5, Novel lactim compound with cardiogenic effect and its preparation method and use.
17. ZL201110111747.0, A kind of bitter melon millet barley tea and preparation method thereof.
18. ZL201110131707.2, Chinese medicine extract for treating ischemic heart disease and arrhythmia and preparation method thereof.
19. ZL201110145459.7, An implant for treating glioblastoma and its preparation method.
20. ZL201110384830.5, Health food for enhancing immunity and preparation method thereof.
21. ZL201110405170.4, Tryptophan-glucose Maillard reaction product, preparation method and application thereof.
22. ZL201210190793.9, Application of bone morphogenic protein-4 in screening anti-cardiac hypertrophy, anti-heart failure or anti-cardiac fibrosis drugs.
23. ZL201210421412.3, 3,11-disubstituted-14-aryl-14H-dibenzo[A,J]oxanthene derivatives and their preparation methods and uses.
24. ZL201210450959.6, Use of 4-[6-(4-isopropoxy)pyrazolo[1,5-A]pyrimidin-3-yl]quinoline in the preparation of autophagy inhibitors or tumor sensitization drugs.
25. ZL201310030621.X, A fusion peptide with cardioprotective effect and its preparation method and application.
26. ZL201310029756.4, Use of tryptophan nanospheres in the preparation of drugs for treating tumor diseases.
27. ZL201310201199.X, Application of microRNA-203 and its analogs in the preparation of drugs for the prevention and treatment of obesity, dyslipidemia and their complications.
28. ZL201310229793.X, A fluorescent kit for rapid detection of MIRNA concentration in serum.
29. ZL201310253666.3, Health food for delaying female climacteric syndrome and preparation method thereof.
30. ZL201310279314.5, Disubstituted dinaphtho[2,1-B:1',2'-D]furan derivatives, preparation method and application thereof.
31. ZL201310339650.4, Application of microRNA-26A in the preparation of drugs for preventing or treating pulmonary fibrosis.
32. ZL201310472765.0, A tumorstatin fusion peptide with anti-tumor effect and its preparation method and application.
33. ZL201310652769.7, Application of a microRNA let-7e in the preparation of anti-ischemic arrhythmia drugs.
34. ZL201410008322.0, A tumorstatin 30 peptide with anti-tumor effect and its preparation method and application.
35. ZL201410138591.9, Hypoglycemic health food and preparation method thereof.
36. ZL201410104955.1, Anti-aging skin care composition compounded with ant essence and placental low-molecular-weight active polypeptide.
37. ZL201410658306.6, A kind of anti-tumor polypeptide and its preparation method and application.

38. ZL201410663622.2, Application of ant extract as active ingredient in preparation of cosmetics.
39. ZL201510025776.3, A postoperative anti-adhesion product and its preparation method and application.
40. ZL201510025660.X, A postoperative anti-adhesion product and its preparation method and application.
41. ZL201510025659.7, A postoperative anti-adhesion product and its preparation method and application.
42. ZL201510028071.7, A preparation method of hydroxysafflower yellow A freeze-dried powder injection and its product.
43. ZL201510028059.6, Use of hydroxysafflower yellow A in the preparation of health-care medicine or functional food for treating hypoxic pulmonary hypertension.
44. ZL201510104548.5, Apoptin combination peptide and its application in the preparation of antitumor drugs.
45. ZL201610015422.5, Use of aloe-emodin in the preparation of blood lipid-lowering and liver fat-lowering drugs.
46. ZL201610150511.0, Application of Growth Differentiation Factor-11 in Promoting Diabetic Wound Healing.
47. ZL201611237007.0, A kind of chalcone compound with antitumor activity and its preparation method and application.
48. ZL201710224340.6, A truncated growth differentiation factor 11 with biological activity and its preparation method.
49. ZL201710787804.4, 4'-Hydroxy-3'-methoxychalcone derivatives, their preparation methods and their application in antitumor.
50. ZL201711176520.8, A polypeptide for inhibiting the migration and invasion ability of oral squamous cell carcinoma and its use.
51. ZL201711290937.7, Emodin succinyl ester compound and its preparation method and application.
52. ZL201810141679.4, Use of emodin succinyl ester compounds in the preparation of anti-myocardial ischemia drugs.
53. ZL201810179997.X, A traditional Chinese medicine composition for preventing or treating osteoporosis and its preparation method and application.
54. ZL201810235153.2, Adjustable LED Lighting Experimentier.
55. ZL201810299429.3, A kind of heart-brain dual targeting liposome and its preparation method and application.
56. ZL201810596799.3, A kind of chiral separation method of four isomers in racemic anisodamine.
57. ZL201810877782.5, A traditional Chinese medicine composition for treating ischemic heart disease and its preparation method and application.
58. ZL201811563992.3, Diaryl heptane compound extracted from Qinglongyi and its preparation method and application.
59. ZL201910802609.3, A kind of aloe-emodin succinyl ester compound with anti-inflammatory activity and its preparation method and application.
60. ZL202080057168.X, A kind of polypeptide drug for preventing and/or treating neuroblastoma and its application.
61. ZL202080057173.0, A kind of polypeptide drug for preventing and/or treating ovarian cancer and its use.
62. ZL202110519192.7, A traditional Chinese medicine composition for preventing and treating diabetes and its complications, its preparation method and application.
63. ZL202111573181.3, A kind of berberine derivative and its preparation method and application.

