CURRICULUM VITAE

YIN CAI (蔡寅)

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1. CURRENT POSITION

Research Assistant Professor
Department of Health Technology and Informatics, The Hong Kong Polytechnic University (PolyU)

2. EDUCATION

2014	PhD in Cardiovascular and Metabolic diseases, Department of Pharmacology and Pharmacy, The University of Hong Kong (HKU)
2010	MS in Microbiology and Biochemical Pharmacy, China Pharmaceutical University
2007	BS in the national base of life science and biotechnology education, China Pharmaceutical University

3. PERSONAL EXPERIENCE

09/2020-Present	Research Assistant Professor, Department of Health Technology and Informatics, PolyU
09/2015-08/2020	Post-doctoral Fellowship, Department of Anaesthesiology, HKU
04/2017-07/2017	Visiting Scholar in Heritage Medical Research Centre, University of Alberta
09/2014-08/2015	Research assistant, Department of Pharmacology and Pharmacy, HKU

4. PROFESSIONAL MEMBERSHIP

2014-	American Heart Association
2011-	American Society for Pharmacology & Experimental Therapeutics
2010-	Hong Kong Pharmacology Society
2010-	Institute of Cardiovascular Science & Medicine

5. AWARDS

2023	2nd Runner Up in the Health Future Challenge 2023, PolyU
2021	Publication Award (Publishing Paper in High Impact Journal) in Department of Health Technology and Informatics, PolyU

2020 Young Investigator Award for Oral Presentation (2nd place) in American Society of Pharmacology & Experimental Therapeutics (ASPET) Cardiovascular Pharmacology Trainee Showcase

2020 Travel Award at the 84th Annual Scientific Meeting of the Japanese Circulation Society (JCS2020) and Asian Pacific Society of Cardiology Congress 2020 (APSC2020) [Declined]

2020 Young Scientist Award for ASPET Annual Meeting at Experimental Biology 2020, San Diego, USA

2018 Young Investigator Award for Poster presentation (1st place) at The 8th Scientific Meeting of Asian Society for Vascular Biology (ASVB), Shanghai, China

2018 Young Scientist Award for ASPET at 18th World Congress of Basic and Clinical Pharmacology, Kyoto, Japan

2018 Travel Award at 18th World Congress of Basic and Clinical Pharmacology, Kyoto, Japan [Declined]

2018 Best Postdoctoral Poster Award (2nd place) in the Division of Cardiovascular Pharmacology of ASPET at Experimental Biology 2018, San Diego, USA

2018 Young Scientist Award for ASPET Annual Meeting at Experimental Biology 2018, San Diego, USA

2017 The University of Hong Kong/China Medical Board award, Hong Kong, China

2016 Young Scientist Award for ASPET Annual Meeting at Experimental Biology 2016, San Diego, USA

2014 Young Investigator Award for Oral Presentation (2nd place) in 18th Annual Scientific Meeting of Institute of Cardiovascular Science and Medicine, Hong Kong, China

2013 Young Investigator Award for Oral Presentation (3rd place) in 17th Annual Scientific Meeting of Institute of Cardiovascular Science and Medicine, Hong Kong, China

2013 Hong Kong Pharmacology Society Travel Award, Hong Kong, China

2013 Young Investigator Award for Oral Presentation (2nd place) in 12th Meeting of the Asia Pacific Federation of Pharmacologists & Joint Meeting of Pharmacology of Chinese Pharmacological Society and Hong Kong Pharmacology Society, Shanghai, China

6. TEACHING EXPERIENCE

2022/2023 Current topics in laboratory medicine, HTI44001, Subject leader, PolyU

2021/2022 Pathophysiology, HTI34015, Subject leader, PolyU

2020/2021

2021/2022 Evidence-based Traditional Chinese Medicine, HTI5618, PolyU

2018/2019 Workshop Facilitator in Research Ethics Course of Li Ka Shing Faculty

2017/2018 of Medicine, HKU

2016/2017

2017 Invited Guest Lecturer in the section of Healthy Aging at the Domestic Worker Empowerment Project

7. RESEARCH GRANTS

2023/2024 **Development of adeno-associated virus-9 mediated myocardial ANGPTL4 gene therapy for coronary heart disease**
Funded by Translational Research Grant from Faculty of Health and Social Sciences, PolyU (HK$500,000)
Principal Investigator

2023/2024 **Clematis filamenttosa Dunn protects against heart failure with preserved ejection fraction through re-balancing cardiac energy substrate metabolism**
Funded by Research Fund for Innovative Chinese Medicine – Tier 2: Exploratory research (HK$200,000)
Principal Investigator

2022/2023 **Deletion of Rap1 exacerbates cardiac aging by attenuating autophagy through CD38/NAD+ signaling pathway**
Funded by Natural Science Foundation of Guangdong Province (RMB ¥ 300,000)
Principal Investigator

2022/2023 **Rap1 deficiency exacerbates aging-related cardiac remodeling by enhancing oxidative stress via Trx1-dependent signaling**
Funded by Basic Research Project of Shenzhen Municipal Science and Technology Innovation Commission (RMB ¥ 300,000)
Principal Investigator

2021/2022 **Cardiomyocyte-specific overexpression of GCH1 enhances BH4 and paradoxically precipitates cardiac aging**
Funded by Natural Science Foundation of Guangdong Province-General program (RMB ¥ 100,000)
Principal Investigator

2021/2022 **Telomere-associated repressor activator protein 1: Striking at the cardiac aging via telomere/p53/Sirt3 axis**
Funded by Sun Chieh Yeh Heart Foundation Research Grant (HK$ 40,000)
Principal Investigator

2021/2022 **Development of precision prognostic and diagnostic biomarkers for the personalised treatment and monitoring of COVID-19 patients (Theme B)**
Funded by Health and Medical Research Fund Commissioned Research on COVID-19 (Batch 3) (HK$28,349,650)
Co-Investigator

2021/2022 **Reprogramming of nutritional and metabolic microenvironments to target vascular injury triggered in coronavirus disease**
Funded by PolyU Research Institute of Future Food (HK$1,500,000)
Co-Investigator

2021/2022 **Telomere-associated repressor activator protein 1 exacerbates myocardial ischemia reperfusion injury in diabetes**
Funded by “百城百園”專項啟動基金(RMB ¥ 150,000)
Principal Investigator

2021/2022 **Telomere-associated Rap1: a novel gatekeeper against oxidative stress in the aging heart**

Funded by PolyU Start-up Fund for RAPs under the Strategic Hiring Scheme (HK$250,000)
Principal Investigator

2020/2021 **Deletion of telomere-associated Rap1 exacerbates cardiac aging by enhancing oxidative stress via Trx1/NADPH oxidase signalling**
Funded by HKU Seed Fund for Basic Research (HK$55,460)
Co-Investigator

2018/2019 **Repressor activator protein 1 exacerbates ischemia/reperfusion injury through activation of NFkB signaling pathway and NLRP3 inflammasome**
Funded by National Natural Science Foundation of China, Science Fund for Young Scholars (RMB ¥ 210,000)
Principal Investigator

2017/2018 **Repressor activator protein 1 protects against mitochondrial function and ischemia/reperfusion injury in aging heart via PGC1α signalling activation**
Funded by HKU Seed Fund for Basic Research (HK$79,200)
Co-Investigator

2017/2018 **Nrf2/HO-1/GCH1 signalling activation in the prevention of diabetic cardiomyopathy**
Funded by National Natural Science Foundation of China, General Program (RMB ¥ 540,000)
Co-Investigator

2016/2017 **Rap1 exacerbates myocardial ischemia/reperfusion injury through enhancing cell apoptosis and inflammatory response**
Funded by Health and Medical Research Fund (HK$1,185,856)
Principal Investigator

2012/2013 **Telomere-independent Rap1 contributes to inflammation during atherosclerosis**
Funded by National Natural Science Foundation of China, General Program (RMB ¥ 750,000)
Co-Investigator

8. PUBLICATIONS

2023

1. Yu-Qi Zhang, Ran-Ran Guo, Yong-Hu Chen, Tian-Cheng Li, Wen-Zhen Du, Rong-Wu Xiang, Ji-Bin Guan, Yu-Peng Li, Yuan-Yu Huang, Zhi-Qiang Yu, **Yin Cai**, Peng Zhang and Gui-Xia Ling. Ionizable drug delivery systems for efficient and selective gene therapy. Military Medical Research. 2023;10:9. [IF=21.1 in 2022]
2. Ramoji Kosuru, **Yin Cai**, Vinod Tiwari. Natural products targeting oxidative stress and cell death: Treatment potential in metabolic and cardiovascular diseases. Frontiers in Pharmacology. 2023 Feb 1;14:1141878. [IF=5.6 in 2022]
3. Yi He, Dengwen Zhang, Qingqing Zhang, **Yin Cai**, Chongfeng Huang, Zhengyuan Xia, Sheng Wang. MicroRNA-17-3p protects against excessive posthypoxic autophagy in H9C2 cardiomyocytes via PTEN-Akt-mTOR signaling pathway. Cell Biology International. 2023 May;47(5):943-953. [IF=3.9 in 2022]

4. Yongshun Wang, Jie Yuan, Huadong Liu, Jie Chen, Jieru Zou, Xiaoyi Zeng, Lei Du, Xin Sun, Zhengyuan Xia, Qingshan Geng, **Yin Cai (CO-Corresponding author)**, Jingjin Liu. Elevated meteorin-like protein from high-intensity interval training improves heart function via AMPK/HDAC4 pathway. Genes & Diseases. **Accepted** [IF=6.8 in 2022]
5. Ziyi Xu, Yu Huang, Yihan Wu, Jiamei Chen, Sai-Wang Seto, George Pak-Heng Leung, **Yin Cai**, Jingjing Li, Jinming Zhang. Glycyrrhizic Acid-Lipid Framework Nanovehicle Loading Triptolide for Combined Immunochemotherapy. ACS Applied Materials & Interfaces. **Accepted** [IF=9.5 in 2022]

2022

1. Shihao Xu, Xi Qiao, Peike Peng, Ziyi Zhu, Yaoting Li, Mengyuan Yu, Long Chen, **Yin Cai,** Jin Xu, Xinwei Shi, Christopher G Proud, Jianling Xie, Kaikai Shen. Da-Chai-Hu-Tang Protects From Acute Intrahepatic Cholestasis by Inhibiting Hepatic Inflammation and Bile Accumulation via Activation of PPARα. Frontiers in Pharmacology. 2022 Mar 15;13:847483. [IF=5.988 in 2021]
2. Yanjing He, **Yin Cai,** Tianhao Sun, Liangqing Zhang, Michael G. Irwin, Aimin Xu, Zhengyuan Xia. MicroRNA-503 Exacerbates Myocardial Ischemia/Reperfusion Injury via Inhibiting PI3K/Akt- and STAT3-Dependent Prosurvival Signaling Pathways. Oxidative Medicine and Cellular Longevity, 2022;2022: 3449739. [IF=7.31 in 2021]
3. Lei Pang, Xi Jiang, Xin Lian, Jie Chen, Er-Fei Song, Lei-Gang Jin, Zheng-Yuan Xia, Hai-Chun Ma, **Yin Cai (Corresponding author).** Caloric restriction mimetics for the reduction of heart failure risk in aging heart: with consideration of gender-related differences. Military Medical Research. 2022 Jul 4;9(1):33. [IF=34.915 in 2021]
4. Leigang Jin, Leiluo Geng, Lei Ying, Lingling Shu, Kevin Ye, Ranyao Yang, Yan Liu, Yao Wang, **Yin Cai**, Xue Jiang, Qin Wang, Xingqun Yan, Boya Liao, Jie Liu, Fuyu Duan, Gary Sweeney, Connie Wai Hong Woo, Yu Wang, Zhengyuan Xia, Qizhou Lian, Aimin Xu. FGF21-Sirtuin 3 Axis Confers the Protective Effects of Exercise Against Diabetic Cardiomyopathy by Governing Mitochondrial Integrity. Circulation. 2022 Nov 15;146(20):1537-1557. [IF=39.922 in 2021]

5 Dan Zhu, Tingting Fan, Yaohua Chen, Xingyue Huo, Yuping Li, Danyong Liu, **Yin Cai,** Chi Wai Cheung, Jing Tang, Jian Cui, Zhengyuan Xia. CXCR4/CX43 Regulate Diabetic Neuropathic Pain via Intercellular Interactions between Activated Neurons and Dysfunctional Astrocytes during Late Phase of Diabetes in Rats and the Effects of Antioxidant N-Acetyl-L-Cysteine. Oxid Med Cell Longev. 2022 Jun 28;2022:8547563. [IF=7.31 in 2021]

2021

1. **Yin Cai**, Hao Liu, Erfei Song, Lin Wang, Jindong Xu, Yi He, Dengwen Zhang, Liyan Zhang, Kenneth King-yip Cheng, Leigang Jin, Min Wu, Shiming Liu, Dake Qi, Liangqing Zhang, Gary D. Lopaschuk, Sheng Wang, Aimin Xu, Zhengyuan Xia. Deficiency of telomere-associated repressor activator protein 1 precipitates cardiac aging in mice via p53/PPARα signalling. Theranostics. 2021 Mar 4;11(10):4710-4727. [IF=11.556 in 2020]

2. **Yin Cai**, Yu Zhang, Hui Chen, Xing-hui Sun, Peng Zhang, Lu Zhang, Meng-yang Liao, Fang Zhang, Zheng-yuan Xia, Ricky Ying-keung Man, Mark W Feinberg, Susan Wai-Sum Leung. MicroRNA-17-3p suppresses NFκB-mediated endothelial inflammation by targeting NIK and IKKβ binding protein. Acta Pharmacologica Sinica. 2021 Dec;42(12):2046-2057. [IF=6.15 in 2020]
3. Lin Wang*, **Yin Cai*(CO-First author),** Liangqing Zhang, Chi Wai Cheung, Zhengyuan Xia. Impact of peroxisome proliferator-activated receptor-α on diabetic cardiomyopathy. Cardiovascular Diabetology. 2021 Jan 4;20(1):2. [IF=9.951 in 2020]
4. Yanjing He, **Yin Cai**, Pearl Mingchu Pai, Xinling Ren, Zhengyuan Xia. The causes and consequences of miR-503 dysregulation and its impact on cardiovascular disease and cancer. Frontiers in Pharmacology-Experimental Pharmacology and Drug Discovery. 2021 Mar 8;12:629611. [IF=5.81 in 2020]
5. Lealem Gedefaw, Sami Ullah, Polly H M Leung, **Yin Cai**, Shea-Ping Yip, Chien-Ling Huang. Inflammasome Activation-Induced Hypercoagulopathy: Impact on Cardiovascular Dysfunction Triggered in COVID-19 Patients. Cells. 2021 Apr 16;10(4):916. [IF=6.600 in 2020]
6. Yuhui Yang, Siman Shen, **Yin Cai**, Kejun Zeng, Keyu Liu, Simeng Li, Lanfen Zeng, Linming Chen, Jing Tang, Zhe Hu, Zhengyuan Xia, Liangqing Zhang. Dynamic patterns of N6-methyladenosine profiles of messenger RNA correlated with the cardiomyocyte regenerability during the early heart development in mice. Oxidative Medicine and Cellular Longevity, 2021:5537804 [IF=6.543 in 2020]
7. Fei Zeng, Jierong Luo, Hong Han, Wenjie Xie, Lingzhi Wang, Ronghui Han, Hao Chen, **Yin Cai**, Huansen Huang, Zhengyuan Xia. Allopurinol ameliorates liver injury in type 1 diabetic rats through activating Nrf2. International Journal of Immunopathology and Pharmacology. 2021;35:20587384211031417. [IF=3.219 in 2020]
8. Ronghui Han, Hemeng Huang, Hong Han, Hao Chen, Fei Zeng, Xiang Xie, Danyong Liu, **Yin Cai**, Liangqing Zhang, Xin Liu, Zhengyuan Xia, Jing Tang. Propofol postconditioning ameliorates hypoxia/reoxygenation induced H9c2 cell apoptosis and autophagy via upregulating forkhead transcription factors under hyperglycemia. Military Medical Research. 2021;8(1):58. [IF=3.329 in 2020]

2020

1. **Yin Cai**, Fan Ying, Hao Liu, Liang Ge, Erfei Song, Lin Wang, Dengwen Zhang, Eva Hoi Ching Tang, Zhengyuan Xia, Michael G. Irwin. Deletion of Rap1 protects against myocardial ischemia/reperfusion injury through suppressing cell apoptosis via activation of STAT3 signaling. The Faseb Journal, 2020;34(3):4482-4496. [IF=4.966 in 2019]
2. Sheng Wang, Liang Ge, Dengwen Zhang, Lin Wang, Hao Liu, Xiaodong Ye, Wanling Liang, Jun Li, Haichun Ma, **Yin Cai* (Co-Corresponding author)**, Zhengyuan Xia*. MiR-181c-5p Promotes Inflammatory Response during Hypoxia/Reoxygenation Injury by Downregulating Protein Tyrosine Phosphatase Nonreceptor Type 4 in H9C2 Cardiomyocytes. Oxidative Medicine and Cellular Longevity, 2020;2020:7913418. [IF=5.076 in 2019]

3. Shan Gao, Fang Jiang, Wei Jin, Yuan Shi, Leilei Yang, Yanqiong Xia, Linyan Jia, Bo Wang, **Yin Cai[#] (Co-Senior author),** Zhengyuan Xia[#]; Jian Peng[#]. Risk Factors Influencing the Prognosis of Elderly Patients Infected with COVID-19: a clinical retrospective study in Wuhan, China. Aging, 2020;12:12504-12516. [IF=4.831 in 2019]
4. Dan Yan*, **Yin Cai*(CO-First author),** Jierong Luo, Jingjin Liu, Fan Ying, Xiang Xie, Aimin Xu, Xiaosong Ma, Zhengyuan Xia. Pharmacological Inhibition of FOXO1 Improves Cardiac Function by Restoring Imbalanced Oxidative Metabolism and Alleviating Mitochondrial Dysfunction in Type1 Diabetic Rats. Journal of Cellular and Molecular Medicine, 2020;24:7850-7861. [IF=4.486 in 2019]
5. Yongshun Wang, Junjun Zhao, **Yin Cai**, Heather J Ballard. Cystic Fibrosis Transmembrane Conductance Regulator-dependent bicarbonate entry controls rat cardiomyocyte ATP release via pannexin1 through mitochondrial signalling and caspase activation. Acta Physiologica, 2020;230:e13495. [IF=5.542 in 2018] **This paper was published with an editorial mention, highlighting** "Enigmatic variations: The many facets of CFTR function in the heart" (Acta Physiologica. 2020;00:e13525.)
6. Fang Jiang, Liehua Deng, Liangqing Zhang, **Yin Cai**, Chi Wai Cheung, Zhengyuan Xia. An update review of clinical characteristics of coronavirus disease 2019 (COVID-19). Journal of General Internal Medicine, 2020;35:1545-1549. [IF=4.597 in 2019]
7. Dengwen Zhang, Yi He, Xiaodong Ye, **Yin Cai**, Jingdong Xu, Liangqing Zhang, Mingyi Li, Hao Liu, Sheng Wang, Zhengyuan Xia. Activation of autophagy inhibits NLRP3 inflammasome activation and attenuates myocardial ischemia-reperfusion injury in diabetic rats. Journal of Diabetes Investigation, 2020;11:1126-1136. [IF=3.761 in 2019]
8. Lei Pang, Xin Lian, Huanqiu Liu, Yuan Zhang, Qian Li, **Yin Cai**, Haichun Ma, Xin Yu. Understanding diabetic neuropathy: focus on oxidative stress. Oxidative Medicine and Cellular Longevity, 2020;2020:9524635. [IF=5.076 in 2019]
9. Jingjin Liu, Xiang Xie, Dan Yan, Yongshun Wang, Hongbin Yuan, **Yin Cai**, Jierong Luo, Aimin Xu, Yu Huang, Chi Wai Cheung, Michael G Irwin, Zhengyuan Xia. Up-regulation of FoxO1 contributes to adverse vascular remodelling in type 1 diabetic rats. Journal of Cellular and Molecular Medicine, 2020; 24:13727-13738. [IF=4.486 in 2019]

2019

1. Liang Ge*, **Yin Cai*(CO-First author)**, Fan Ying, Hao Liu, Dengwen Zhang, Yanjing He, Lei Pang, Dan Yan, Aimin Xu, Haichun Ma, Zhengyuan Xia. miR-181c-5p Exacerbates Hypoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Targeting PTPN4. Oxidative Medicine and Cellular Longevity, 2019;2019:1597920. [IF= 4.868 in 2018]

2018

1. Ramoji Kosuru*, **Yin Cai*(CO-First author)**, Vidya Kandula, Dan Yan, Hong Zheng, Yalan Li, Michael G Irwin, Sanjay Singh, Zhengyuan Xia. AMPK

Contributes to Cardioprotective Effects of Pterostilbene Against Myocardial Ischemia-Reperfusion Injury in Diabetic Rats by Suppressing Cardiac Oxidative Stress and Apoptosis. Cellular Physiology and Biochemistry, 2018;46:1381-97. [IF= 5.500 in 2017]

2. Fan Ying, **Yin Cai**, Hoi Kin Wong, Xin Yi Chen, Ianto Bosheng Huang, Paul M Vanhoutte, Zhengyuan Xia, Aimin Xu, Eva Hoi Ching Tang. EP4 emerges as a novel regulator of bile acid synthesis and its activation protects against hypercholesterolemia. BBA - Molecular and Cell Biology of Lipids. 2018;1863:1029-40. [IF= 4.966 in 2017]

2017

1. K.H.K. Wong, **Yin Cai**, Fan Ying, Xinyi Chen, Paul M. Vanhoutte, Eva H.C. Tang. Deletion of Rap1 disrupts redox balance and impairs endothelium-dependent relaxations. Journal of Molecular and Cellular Cardiology, 2017;115:1-9. [IF= 5.680 in 2016]
2. **Yin Cai**, Vidya Kandula, Ramoji Kosuru, Xiaodong Ye, Michael Irwin, Zhengyuan Xia. Decoding Telomere Protein Rap1: Its Telomeric and Nontelomeric Functions and Potential Implications in Diabetic Cardiomyopathy. Cell Cycle, 2017;16(19):1765-73. [IF= 3.530 in 2016]
3. Fan Ying, **Yin Cai**, Yu Cai, Yu Wang, Eva H.C. Tang. Prostaglandin E receptor subtype 4 regulates lipid droplet size and mitochondrial activity in murine subcutaneous white adipose tissue. The Faseb Journal, 2017;31(9):4023-36. [IF= 5.498 in 2016]

2016

1. Lei Pang, **Yin Cai**, Eva H.C. Tang, Dan Yan, Ramoji Kosuru, Haobo Li, Michael G. Irwin, Haichun Ma, Zhengyuan Xia. Cox-2 Inhibition Protects against Hypoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Akt-Dependent Enhancement of iNOS Expression. Oxidative Medicine and Cellular Longevity. 2016;2016:3453059. [IF= 4.492 in 2015]
2. Lei Pang*, **Yin Cai*(CO-First author)**, Eva H.C. Tang, Michael G. Irwin, Haichun Ma, Zhengyuan Xia. Prostaglandin E receptor subtype 4 signaling in the heart: role in ischemia/reperfusion injury and cardiac hypertrophy. Journal of Diabetes Research. 2016;2016:1324347. [IF= 2.431 in 2015]

2015 OR BEFORE

1. **Yin Cai**, Galina K. Sukhova, Aimin Xu, Vinay Tergaonkar, Paul M. Vanhoutte, Eva H.C. Tang. Rap1 induces cytokine production in pro-inflammatory macrophages through NFκB signaling, Cell Cycle. 2015;14(22):3580-92. [IF= 4.565 in 2014]
2. **Yin Cai**, Fan Ying, Erfei Song, Yu Wang, Aimin Xu, Paul M. Vanhoutte, Eva H.C. Tang. Mice lacking EP4 manifest disrupted lipid metabolism attributable to

impaired triglyceride clearance, The Faseb Journal, 2015;29(12):4924-36. [IF= 5.043 in 2014]

3. **Yin Cai**, Michael M. Manio, George P.H. Leung, Aimin Xu, Eva H.C. Tang and Paul M. Vanhoutte. Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries, European Journal of Pharmacology, 2015;15;747:18-28. [IF= 2.532 in 2014]
4. Joseph D. Robles, Yinping Liu, Jiamin Cao, Zheng Xiang, **Yin Cai**, Michael M. Manio, Eva H.C. Tang and Godfrey C.F. Chan. Immunosuppressive mechanisms of human bone marrow derived mesenchymal stromal cells in BALB/c host graft versus host disease murine models, Experimental Hematology & Oncology, 2015;doi: 10.1186/s40164-015-0007-0.
5. Eva H.C. Tang, **Yin Cai**, Chi Kin Wong, Viviane Z Rocha, Galina K. Sukhova, Koichi Shimizu, Ge Xuan, Paul M. Vanhoutte, Peter Libby, Aimin Xu. Activation of prostaglandin E2-EP4 signaling reduces chemokine production in adipose tissue, The Journal of Lipid Research, 2015; 56(2):358-68. [IF= 4.421 in 2014]
6. Xungui Wu, Zegen Wang, **Yin Cai**, Ye Yang, Min Wang, Extraction, isolation, purification and composition of Momordica charantia polysaccharide, Chinese Journal of Bioprocess Engineering, 2011;9(1):19-23.
7. **Yin Cai**, Min Liu, Xungui Wu, Zegen Wang, Cai Liang, Ye Yang, Min Wang. Study on the antitumor and immune-stimulating activity of polysaccharide from Momordica charantia, Pharmaceutical and Clinical Research, 2010;18(2): 131-34.
8. **Yin Cai**, Fang Zhang, Juefen Gu. Recent advance on macroporous resin and its application in isolation and purification of microbial pharmacy, Ion Exchange and Adsorption, 2008;24(5):473-80.
9. Ye Yang, Min Wang, Tingting Zhang, **Yin Cai**, Ran Bi, Chen Luo. Identification of Bacillus sp. CPU5 and characteristics of its secondary metabolite, Journal of China Pharmaceutical University, 2008;39(4): 368-72.

9. PROFESSIONAL SERVICES

MEMBERS OF EDITORIAL BOARDS FOR ACADEMIC JOURNAL

2022-	Journal of Zhejiang University SCIENCE B
2021-	Frontiers in Physiology
2021-	Frontiers in Medicine
2021-	Frontiers in Pharmacology
2020-	Military Medical Research
2020-	Mediators of Inflammation (Special issue)
2020-	Frontiers in Medical Technology

JOURNAL REVIEWER

1. Biochemical Journal
2. Bioscience Reports
3. Cardiovascular Diabetology

4. Clinical Science
5. IUBMB Life
6. Frontiers in Pharmacology
7. Journal of Biochemical and Molecular Toxicology
8. Frontiers in Medicine
9. Journal of Diabetes Research
10. Scandinavian Cardiovascular
11. The Faseb Journal
12. Pathology - Research and Practice
13. Frontiers in Medical Technology
14. Redox Biology
15. Pharmacological Research
16. European of Journal Pharmacology
17. Biomedicine & Pharmacotherapy
18. Ecotoxicology and Environmental Safety
19. Journal of Zhejiang University-SCIENCE B
20. Journal of Pharmaceutical Analysis