

## 天然药物及仿生药物国家重点实验室

### 近6年来研究成果

发表论文600余篇，授权专利45项，其中国际专利3项，出版著作25部。



### 代表论文

2011

2010

2009

2008

2007

2006

### 出版著作

### 发明专利

### 获奖成果

## 2008年 代表论文

1. Ligand Free Pd-Catalyzed Highly Selective Arylation of Allylic Esters with Retention of the Traditional Leaving Group Delin Pan, Anjun Chen, Yijin Su, Wang Zhou, Si Li, Wei Jia, Juan Xiao, Qingjian Liu, Liangren Zhang, and Ning Jiao\*. *Angew. Chem. Int. Ed.* 2008,47,4729-4732.(IF:10.031).
2. Pre-Activation Protocol Leading to Highly Stereoselectivity-Controllable Glycosylations of Oxazolidinone Protected Glucosamine Donors, Yiqun Geng, Li-He Zhang, Xin-Shan Ye\*. *Chem. Commun.* 2008, 579-599. (IF: 5.141)
3. Bromodimethylsulfonium Bromide-Silver Triflate: A New Powerful Promoter System for the Activation of Thioglycosides, De-Cai Xiong, Li-He Zhang, Xin-Shan Ye\*, *Adv. Synth Catal.* 2008, 350, 1696-1700. (IF: 4.977)
4. Highly Direct  $\alpha$ -Selective Glycosylations of 3,4-O-Carbonate-Protected 2-Deoxy and 2,6-Dideoxythioglycosides by Preactivation Protocol, Yin-Suo Lu, Qin Li, Li-He Zhang, Xin-Shan Ye\*, *Org. Lett.* 2008, 10, 3445-3448. (IF: 4.802)
5. Characterization of water-in-oil microemulsion for oral delivery of earthworm fibrinolytic enzyme Mao-Bo Cheng, Jian-Cheng Wang\*, Yu-Hua Li, Xiao-Yan Liu, Xuan Zhang, Da-Wei Chen, Shu-Feng Zhou, Qiang Zhang\*. *Journal of Controlled Release*, 2008,129(1):41-8.(IF: 4.756).
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7. A potential target associated with both cancer and cancer stem cells: A combination therapy for eradication of breast cancer using vinorelbine stealthy liposomes plus parthenolide stealthy liposomes Liu Y, Lu WL\*, Guo J, Du J, Li T, Wu JW,

Wang GL, WangJC, Zhang X, Zhang Q. *J Control Release*, 2008, 129(1):18-25.(IF: 4.756) .

8. Increase of the pharmacological and pharmacokinetic efficacy of negatively charged polypeptide recombinant hirudin in rats via parenteral route by association with cationic liposomes Meng M, Liu Y, Wang YB, Wang JC, Zhang H, Wang XQ, Zhang X, Lu WL, Zhang Q\*. *Journal of Controlled Release*, 2008, 128 (2): 113-119. (IF:4.756)
9. Mastoparan/Mastoparan X altered binding behavior of La<sup>3+</sup> to calmodulin in ternary complexes Yang, Q, Hu, J, Yang, X, Wang, K. *J. Inorg. Biochem.*,2008, 102(2): 278-84.(IF: 3.66)
10. Analysis of Phenolic Compounds in Epimedium Plants Using Liquid Chromatography Coupled with Electrospray Ionization Mass Spectrometry Hai-Yu Zhao, Jiang-Hao Sun, Miao-Xuan Fan, Li Fan, Lei Zhou, Zhi Li, Jian Han, Bao-Rong Wang, and De-An Guo\*. *J Chromatogr A*, 2008, 1190(1-2): 157-181.(IF: 3.641)
11. Simultaneous determination of ten components in water extract of *Carthamus tinctorius* L. using RP-HPLC – DAD Li Fan, Hai-Yu Zhao, Man Xu, Lei Zhou, Jian Han, Bao-Rong Wang, De-An Guo\*. *J Chromatogr A*, 2008, in press (doi:10.1016/j.chroma.2008.03.046).(IF: 3.641)
12. Interactions between thrombin and natural products of *Milletia speciosa* Champ. using capillary zone Shuyu Zhang, Ting Yin, Xiaomei Ling\*, Hong Liang, Yuying Zhao\*. *Electrophoresis*, 2008, 29(16): 3391-3397.(IF: 3.609)
13. Induction of apoptosis accompanying with G1 phase arrest and microtubule disassembly in human hepatoma cells by jaspolide B, a new isomalabaricane-type triterpene Shao-Yin Wei, Min Li\*, Shen-An Tang, Wan Sun, Bo Xu, Jing-Rong Cui, *Cancer Letters*, 2008, 262: 114-122.(IF: 3.398)
14. Gadolinium Promoted Cell Cycle Progression with Enhanced S-phase Entry via Activation of Both ERK and PI3K Signaling Pathways in NIH 3T3 cells Li-Juan Fu, Jin-Xia Li, Xiao-Gai Yang\*, Kui Wang\*, *J. Biol Inorg Chem*, 2008, in press, available online.(IF: 3.325)
15. Vanadyl bisacetylacetonate induced G1/S cell cycle arrest via high intensity ERK phosphorylation in HepG2 cells Fu Y, Wang Q, Yang XG\*, Yang XD, Wang K., *J. Biol Inorg Chem*, 2008, 13, 1001-1009.(IF: 3.325)
16. Solid-phase synthesis and evaluation of TAR RNA targeted-carboline-nucleoside conjugates Zhao P, Jin HW, Yang ZJ, Zhang LR, Zhang LH\*, *Org Biomol Chem*, 2008, 6: 3741-3750.(IF: 3.167)
17. La<sup>3+</sup> binds to BiP/GRP78 and induces unfolded protein response in HepG2 cells Shen, C., Li, Z., Yang, X., Wang, K. *Chem-Biol. Interact*, 2008, 176: 196-203.(IF: 3.09)
18. Characterization of compounds from the roots of *Saposhnikovia divaricata* by high-performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry Jie Kang, Jianghao Sun, Lei Zhou, Jian Han, Baorong Wang and De-an Guo\*. *Rapid Commun Mass Spectrom*,2008, 22: 1899-1911.(IF: 2.971)
19. Analysis of four monomers of phenolic acids and their metabolites in rat by liquid chromatography-tandem mass spectrometry Zi-chuan Zhang, Man Xu, Shi-feng Sun, Xue Qiao, Bao-rong Wang, Jian Han and De-an Guo\*. *J Chromatogr B*, 2008, 871(1):7-14.(IF: 2.935)
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