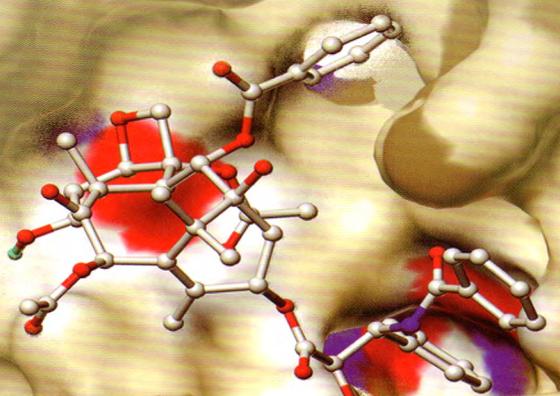




# 药学学报

第52卷 第11期  
2017 Vol. 52 No. 11



## Acta Pharmaceutica Sinica

综述

张德莹, 何红伟等  
整合素的基因表达调控  
万方数据

研究论文

陈堤颖, 素媛等  
黄芩 $ARF$ 基因家族生物信息学及表达分析



中国药学会  
中国医学科学院药物研究所

# 药 学 学 报

第 52 卷 第 11 期 2017 年 11 月

## 综 述

- 衰老性学习记忆减退相关的脑内单胺类神经递质研究进展 ..... 李佳琪, 高丽, 周玉枝, 秦雪梅, 杜冠华 (1639)  
整合素的基因表达调控 ..... 张德萱, 邵荣光, 何红伟 (1647)  
HIV-1 核壳体蛋白 NCp7 抑制剂研究新进展 ..... 贾海永, 俞霁, 刘昕浩, 张健, 展鹏, 刘新泳 (1652)  
基于小胶质细胞功能障碍的阿尔茨海默病药物研发 ..... 肖梦洁, 孙平, 胡文辉 (1660)  
外泌体作为中药载体的研究进展 ..... 袁鹏, 郭晓辰, 张军平, 吕仕超, 朱亚萍 (1667)

## 研 究 论 文

### 药理学

- 高通量测序技术研究黄芩汤对溃疡性结肠炎大鼠肠道菌群的影响 ..... 徐航宇, 王彦礼, 王敦方, 马旭冉, 李洪祥, 杨伟鹏 (1673)  
地黄叶对糖尿病肾病大鼠肠道菌群的调节作用 ..... 戴新新, 蔡红蝶, 宿树兰, 郑天瑶, 魏丹丹, 严辉, 朱悦, 钱大玮, 段金廒 (1683)  
雷公藤甲素衍生物 LB-1 对咪唑莫特诱导的银屑病小鼠炎症的影响 ..... 牛非, 金晶, 周秦, 倪林, 来芳芳, 季鸣, 张东明, 陈晓光 (1692)  
小型猪痰瘀互结证冠心病的方证相应研究 ..... 李磊, 刘建勋, 任建勋, 林成仁, 史跃, 马彦雷 (1698)  
瑞格非尼对人尿苷二磷酸葡萄糖醛酸转移酶活性抑制作用的体外研究 ..... 孙小雅, 葛广波, 唐辉, 王亚乔, 姚新成, 李乐 (1705)  
高原急性缺氧对大鼠药物转运体 PEPT1 及阿莫西林药代动力学的影响 ..... 罗冰峰, 张俊, 杨涛, 张娟红, 李文斌, 王昌, 张明霞, 王荣 (1715)

### 药物化学

- 新型川芎嗪类衍生物的设计、合成及其生物活性的研究 ..... 张阳, 杨雨, 李家明, 马晓东, 张艳春, 王玉骏, 朱盼虎 (1722)  
番石榴根中一个新的三萜类成分 ..... 彭财英, 黄应正, 刘建群, 黄慧莲, 舒积成 (1731)

### 药物分析

- 基于谱-效相关分析的吴茱萸止呕药效物质的初步研究 ..... 陈洋, 梁健, 董伟, 李斐, 董嘉皓, 曹嵒, 袁金斌 (1737)  
超高效液相色谱-高分辨质谱联用分析新型毒品 5F-AMB 的体外肝微粒体代谢物及代谢途径 ..... 李静, 花镇东, 王优美 (1743)

### 药剂学

- 细胞外基质仿生型基因活化支架的构建与表征 ..... 沈海俊, 吴志娟, 王东霞, 霍东方, 柏钰, 杨智涵, 姚春芳 (1748)  
豆荚蛋白酶响应的功能化金纳米粒子用于皮下移植瘤靶向药物递送和治疗 ..... 阮少波, 何勤, 高会乐 (1756)

### 生药学

- 应用直接 PCR 技术的药用植物批量样本快速处理及分子鉴定 ..... 张金家, 徐红, 赵淑娟 (1763)  
黄芩 ARF 基因家族生物信息学及表达分析 ..... 陈婧颖, 刘娟, 袁媛, 周骏辉, 黄璐琦 (1770)

### 信 息

(1721) 《药学学报》2018 年征订

**REVIEWS**

- 1639 Research advances in brain monoamine neurotransmitters in the aging-associated memory decline  
LI JQ, GAO L, ZHOU YZ, QIN XM, DU GH
- 1647 Regulation of integrin gene expression  
ZHANG YX, SHAO RG, HE HW
- 1652 Recent progress of inhibitors targeting HIV-1 NCp7  
JIA HY, YU J, LIU XH, ZHANG J, ZHAN P, LIU XY
- 1660 Drug discovery for Alzheimer's disease based on the functional disturbance of microglia  
XIAO MJ, SUN P, HU WH
- 1667 Research progress of the exosomes as drug delivery vehicles of Chinese herbal drugs  
YUAN P, GUO XC, ZHANG JP, LÜ SC, ZHU YP

**ORIGINAL ARTICLES****Pharmacology**

- 1673 Effect of Huangqin Tang on the gut microbiota in rats with ulcerative colitis model determined by high-throughput sequencing  
XU HY, WANG YL, WANG DF, MA XR, LI HX, YANG WP
- 1683 Regulatory effect of the leaves of *Rehmannia glutinosa* Libosch on intestinal microflora in diabetic nephropathy rats  
DAI XX, CAI HD, SU SL, ZHENG TY, WEI DD, YAN H, ZHU Y, QIAN DW, DUAN JA
- 1692 The effect of triptolide derivative LB-1 on imiquimod-induced psoriasisiform inflammation of BALB/c mice  
NIU F, JIN J, ZHOU Q, NI L, LAI FF, JI M, ZHANG DM, CHEN XG
- 1698 Relationship between prescription and syndrome on mini-swine phlegm-stasis syndrome of coronary heart disease  
LI L, LIU JX, REN JX, LIN CR, SHI Y, MA YL
- 1705 Inhibition of regorafenib against UDP-glucuronosyltransferases  
SUN XY, GE GB, TANG H, WANG YQ, YAO XC, LI L

- 1715 Effect of amoxicillin on the expression of PEPT1 and pharmacokinetics upon acute hypoxia at high altitude in rat  
LUO BF, ZHANG J, YANG T, ZHANG JH, LI WB, WANG C, ZHANG MX, WANG R

**Medicinal Chemistry**

- 1722 Design, synthesis and biological evaluation of the novel ligustrazine derivatives  
ZHANG Y, YANG Y, LI JM, MA XD, ZHANG YC, WANG YJ, ZHU PH
- 1731 A new triterpenoid from roots of *Psidium guajava*  
PENG CY, HUANG YZ, LIU JQ, HUANG HL, SHU JC

**Pharmaceutical Analysis**

- 1737 Preliminary study of antiemetic components in *Euodia rutaecarpa* based on spectrum-effect correlation analysis  
CHEN Y, LIANG J, DONG W, LI F, DONG JH, CAO L, YUAN JB
- 1743 Analysis of metabolites and metabolic pathway of 5F-AMB *in vitro* using UPLC-HR-MS  
LI J, HUA ZD, WANG YM

**Pharmaceutics**

- 1748 Preparation and characterization of a gene-activated matrix mimicking extracellular matrix  
SHEN HJ, WU ZJ, WANG DX, HUO DF, BAI Y, YANG ZH, YAO CF
- 1756 Legumain-responsive functional gold nanoparticles for drug targeting delivery and treatment of subcutaneous xenograft tumor  
RUAN SB, HE Q, GAO HL

**Pharmacognosy**

- 1763 Rapid identification of medicinal herbs through plant Direct-PCR  
ZHAGN JJ, XU H, ZHAO SJ
- 1770 Bioinformatics analysis and expressed level of Auxin response factor genes in *Scutellaria baicalensis*  
CHEN TY, LIU J, YUAN Y, ZHOU JH, HUANG LQ

Abstracted / indexed in Chemical Abstracts (CA), Index Medicus (IM, Medline), SciFinder Scholar, Elsevier Scopus, Abstract Journal (AJ), Biological Abstracts (BA), Centre for Agriculture and Bioscience International (CABI), Current Bibliography on Science and Technology (CBST), Excerpta Medica (EM), Index Copernicus (IC), International Pharmaceutical Abstracts (IPA), Cambridge Scientific Abstracts (CSA), TOXCENTER, Ulrich's International Periodicals Directory, Chinese Pharmaceutical Abstracts (CPA), Abstracts of Chinese Medicine (ACME), etc.



**REVIEWS**

- 1639 Research advances in brain monoamine neurotransmitters in the aging-associated memory decline  
LI JQ, GAO L, ZHOU YZ, QIN XM, DU GH
- 1647 Regulation of integrin gene expression  
ZHANG YX, SHAO RG, HE HW
- 1652 Recent progress of inhibitors targeting HIV-1 NCp7  
JIA HY, YU J, LIU XH, ZHANG J, ZHAN P, LIU XY
- 1660 Drug discovery for Alzheimer's disease based on the functional disturbance of microglia  
XIAO MJ, SUN P, HU WH
- 1667 Research progress of the exosomes as drug delivery vehicles of Chinese herbal drugs  
YUAN P, GUO XC, ZHANG JP, LÜ SC, ZHU YP

**ORIGINAL ARTICLES****Pharmacology**

- 1673 Effect of Huangqin Tang on the gut microbiota in rats with ulcerative colitis model determined by high-throughput sequencing  
XU HY, WANG YL, WANG DF, MA XR, LI HX, YANG WP
- 1683 Regulatory effect of the leaves of *Rehmannia glutinosa* Libosch on intestinal microflora in diabetic nephropathy rats  
DAI XX, CAI HD, SU SL, ZHENG TY, WEI DD, YAN H, ZHU Y, QIAN DW, DUAN JA
- 1692 The effect of triptolide derivative LB-1 on imiquimod-induced psoriasisiform inflammation of BALB/c mice  
NIU F, JIN J, ZHOU Q, NI L, LAI FF, JI M, ZHANG DM, CHEN XG
- 1698 Relationship between prescription and syndrome on mini-swine phlegm-stasis syndrome of coronary heart disease  
LI L, LIU JX, REN JX, LIN CR, SHI Y, MA YL
- 1705 Inhibition of regorafenib against UDP-glucuronosyltransferases  
SUN XY, GE GB, TANG H, WANG YQ, YAO XC, LI L

- 1715 Effect of amoxicillin on the expression of PEPT1 and pharmacokinetics upon acute hypoxia at high altitude in rat  
LUO BF, ZHANG J, YANG T, ZHANG JH, LI WB, WANG C, ZHANG MX, WANG R

**Medicinal Chemistry**

- 1722 Design, synthesis and biological evaluation of the novel ligustrazine derivatives  
ZHANG Y, YANG Y, LI JM, MA XD, ZHANG YC, WANG YJ, ZHU PH
- 1731 A new triterpenoid from roots of *Psidium guajava*  
PENG CY, HUANG YZ, LIU JQ, HUANG HL, SHU JC

**Pharmaceutical Analysis**

- 1737 Preliminary study of antiemetic components in *Euodia rutaecarpa* based on spectrum-effect correlation analysis  
CHEN Y, LIANG J, DONG W, LI F, DONG JH, CAO L, YUAN JB
- 1743 Analysis of metabolites and metabolic pathway of 5F-AMB *in vitro* using UPLC-HR-MS  
LI J, HUA ZD, WANG YM

**Pharmaceutics**

- 1748 Preparation and characterization of a gene-activated matrix mimicking extracellular matrix  
SHEN HJ, WU ZJ, WANG DX, HUO DF, BAI Y, YANG ZH, YAO CF
- 1756 Legumain-responsive functional gold nanoparticles for drug targeting delivery and treatment of subcutaneous xenograft tumor  
RUAN SB, HE Q, GAO HL

**Pharmacognosy**

- 1763 Rapid identification of medicinal herbs through plant Direct-PCR  
ZHAGN JJ, XU H, ZHAO SJ
- 1770 Bioinformatics analysis and expressed level of Auxin response factor genes in *Scutellaria baicalensis*  
CHEN TY, LIU J, YUAN Y, ZHOU JH, HUANG LQ

Abstracted / indexed in Chemical Abstracts (CA), Index Medicus (IM, Medline), SciFinder Scholar, Elsevier Scopus, Abstract Journal (AJ), Biological Abstracts (BA), Centre for Agriculture and Bioscience International (CABI), Current Bibliography on Science and Technology (CBST), Excerpta Medica (EM), Index Copernicus (IC), International Pharmaceutical Abstracts (IPA), Cambridge Scientific Abstracts (CSA), TOXCENTER, Ulrich's International Periodicals Directory, Chinese Pharmaceutical Abstracts (CPA), Abstracts of Chinese Medicine (ACME), etc.

