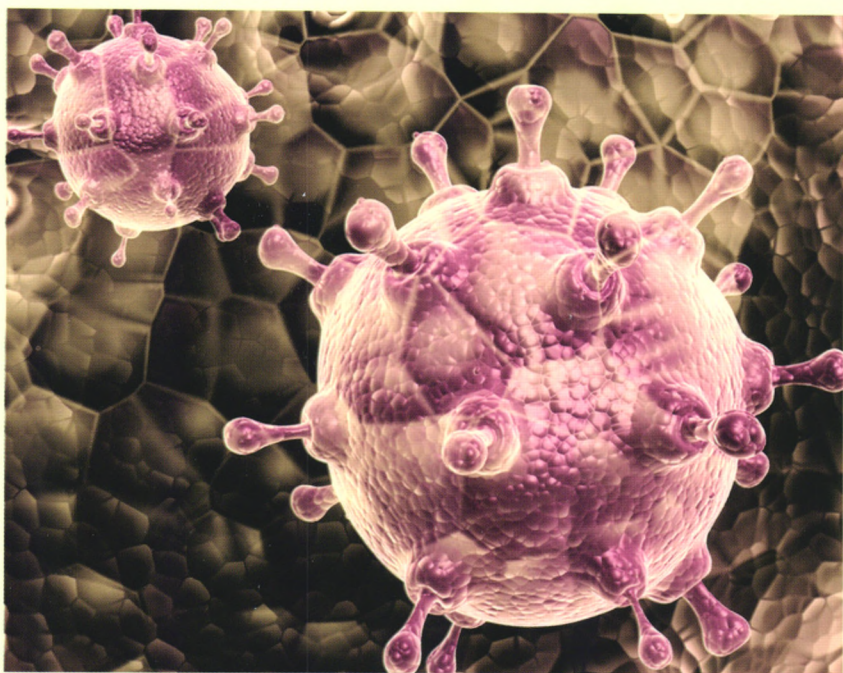




ISSN 1673-6273
CN 23-1544/R
CODEN SXJTA8

XIAN DAI SHENG WU YI XUE JIN ZHAN
现代生物医学进展
PROGRESS IN MODERN BIOMEDICINE



2017年第17卷 (第29期)

中国科技核心期刊
科技部中国科技论文统计源期刊
中国学术期刊网络出版总库 (CNKI) 收录期刊
美国化学文摘 (CA) 检索期刊
俄罗斯文摘杂志 (AJ) 收录期刊
美国剑桥文摘 (CSA) 收录期刊
英国Global Health数据库收录期刊
英国国际农业与生物科学研究中心 (CABI) 数据库收录期刊
Genamics Journal Seek收录期刊
美国ProQuest数据库收录期刊
美国EBSCO数据库收录期刊
波兰哥白尼索引 (IC) 收录期刊
WHO西太区医学索引 (WPRIM) 收录期刊

ISSN 1673-6273



现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

旬刊 2001年4月创刊 第17卷 第29期 2017年10月20日出版 Progress in Modern Biomedicine

主管:黑龙江省卫生厅
主办:黑龙江省森工总医院
哈尔滨医科大学附属第四医院
协办:哈尔滨工业大学
上海交通大学附属第一人民医院
编辑:现代生物医学进展编辑委员会
150040 哈尔滨市和兴路32号
电话:0451-82583800
E-mail:biomed_54@126.com
E-mail:liudhui_21@126.com
E-mail:biomagnetism@163.com
http://biomed.net.cn
http://biomed.cnjournals.com
http://www.shengwuyixue.com
http://swcx.periodicals.net.cn

学术顾问: 杨宝峰 刘颂豪
阮长耿 曾溢滔 贺林
傅世英 王迺谦 刘玉清
郝希山 曾益新 张岂凡

主编: 申宝忠
执行主编: 吴文忠
执行副主编: 孟庆刚
副主编: 李钰 张贵祥
黄文华 黄菊芳 刘平
吕传柱 曾乐平 唐一源
曾凡一 刘明 代文杰
张清媛

编辑部主任: 刘同奎
编辑部副主任:
刘子馨 谢建平 郑林丰

编辑部地址:150001,哈尔滨市54号信箱
(哈尔滨市花园街184号403)
电话:0451-82583800 0451-53658268
传真:0451-82583966
出版:现代生物医学进展杂志社
广告经营许可证:2301004050020
印刷:哈尔滨市工大节能印刷厂
发行:国内:哈尔滨市报刊发行局
国外:中国国际图书贸易总公司
(北京399信箱,100044)
国外发行代号:Q1728
订购:全国各地邮局
邮发代号:14-12
邮购:现代生物医学进展编辑部
(150001哈尔滨市54号信箱)
定价:30.00元/期,全年1080.00元
中国标准刊号:ISSN 1673-6273
CN 23-1544/R

2017年版权归现代生物医学进展杂志社所有
本刊刊出的所有文章不代表编委会的观点,
除非特别声明 本刊如有印刷质量问题,请向
现代生物医学进展杂志编辑部调换

目次

·论著·

·基础研究·

肝脱细胞基质溶液包被对 HepG2 细胞增殖及基质金属蛋白酶活性的影响

..... 孙东升 刘洋 张英等 (5601)

二代测序应用于检测 GT1-7 细胞中 *KISS1* 和 *GnRH* 启动子的 DNA 甲基化状态的研究

..... 贾梅兰 王茂春 徐园等 (5607)

minTBP-1/IGF-1 融合蛋白钛涂层对高糖高脂环境下成骨细胞分化活性的影响

..... 陈骥 王君俊 张旻等 (5611)

NPAS2 基因敲除的 HepG2 细胞系构建及其对肝癌细胞凋亡的影响

..... 李波 刘峰舟 刘明莉等 (5618)

杨梅素对小鼠梗死后心肌重塑和心力衰竭的影响及机制

..... 刘刚 原平利 孙书红等 (5623)

下丘脑弓状核微量注射 Orexin-A 对大鼠胃传入信息和胃运动的影响

..... 段秋霞 杨丹丹 彭晓燕等 (5628)

利多卡因对异氟醚麻醉后大鼠海马组织炎症及认知功能的影响

..... 李顺洪 冯麟 岳济民等 (5633)

RNA 干扰 *c-maf* 基因表达对多发性骨髓瘤细胞凋亡的影响及机制研究

..... 任婧婧 李光 刘志勤等 (5637)

Trx 通过 Sirt3-P53 通路促进自噬并改善高糖诱发的 CMECs 损伤

..... 赵志林 白锋 任旭爱等 (5642)

骨水泥凝固前有无血液环境对骨水泥与骨界面稳定性的影响

..... 汤瀚 杨成林 孙新杨等 (5646)

·临床研究·

术后血清 PTH 下降率预测甲状旁腺全切术后复发的临床价值

..... 闻萍 侯大卫 曹金龙等 (5650)

术中画线法与量角法测量股骨截骨旋转角度的对比分析研究

..... 沙佳 徐会法 严亚波等 (5654)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

旬刊 2001年4月创刊 第17卷 第29期 2017年10月20日出版 Progress in Modern Biomedicine

微型种植体支抗在口腔正畸治疗中的临床研究	姜晓蕾 燕贵军 黄绪友等	(5661)
三种不同手术方案对子宫内膜异位囊肿伴不孕症患者卵巢功能的影响	张艳梅 徐晶晶 章琼等	(5665)
不同剂量及注药方向罗哌卡因对肛肠手术麻醉效果的影响	闫鸿涛 李凯 迟林等	(5669)
神经电生理监测下面肌痉挛微血管减压术的临床疗效及可行性分析	王墨 吴明坤 张阳等	(5673)
提上睑肌缩短术与额肌瓣悬吊术对不同程度先天性上睑下垂的疗效观察	刘玲 章志扬 王伟等	(5677)
超声引导下经皮穿刺聚桂醇注射液与无水乙醇硬化治疗单纯性肝囊肿的疗效对比研究	刘静 孟庆欣 崔启超等	(5681)
布地奈德福莫特罗粉吸入治疗肺癌合并慢阻肺患者的临床疗效及对患者生活质量的影响	胡斌 张龙富 余荣环等	(5686)
丁丙诺啡透皮贴剂控制肩周炎患者疼痛的效果观察	蔡承魁 田丽颖 马琼等	(5690)
乌司他丁对重型颅脑损伤患者脑氧代谢、炎性因子及肾功能的影响	咎向阳 向兴刚 蔡宁等	(5694)
肝门部胆管癌根治术术后口服胆汁患者的疗效观察	魏志成 刘荣 王春喜等	(5698)
长期拉米夫定治疗乙肝后肝硬化患者血清肝纤维化指标、血小板以及超声影像学指标的变化	王庆强 王立蓉 王立玮等	(5701)
复可托对恶性肿瘤患者免疫功能、生活质量影响的临床观察	李晓佳 路璐 杨宁等	(5705)
IL-6、IL-10 联合 BISAP 评分在重症急性胰腺炎预后评估中的作用研究	卓越 邱小松 薛婷等	(5708)
A 型肉毒素治疗带状疱疹后遗神经痛的临床观察	张名硕 周晓琳 高潇等	(5712)
重复经颅磁刺激对痉挛型脑瘫患儿语言发育能力及运动功能的影响	武改 鲍克秀 李之林等	(5716)
老年脑梗死并发尿道感染患者病原菌分布及耐药性分析	卢向丽 邵义泽 王会民等	(5720)
超声引导下硬化剂聚桂醇治疗肝囊肿的初步应用	彭娟 占金琴 杨敏等	(5724)
右胸入路三野清扫淋巴结治疗中晚期胸中段食管癌的疗效及预后观察	何刚 王洪斌 刘海林等	(5728)
CT 与 MRI 对肝硬化背景下小肝癌检出率的比较	季如宁 刘可夫 王滢等	(5732)
右美托咪定对腰硬联合麻醉下子宫肌瘤切除术患者术中的镇静效果及综合评价	丁荷蓓 张稳稳 陈为国等	(5736)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

旬刊 2001年4月创刊 第17卷 第29期 2017年10月20日出版 Progress in Modern Blomedicine

替吉奥联合多西他赛对转移性乳腺癌患者血清 VEGF、CA72-4 水平及生活质量的影响	胡 芳 付江萍 刘伟辉等	(5740)
七氟醚 - 瑞芬太尼静吸复合麻醉对妇科腹腔镜子宫肌瘤摘除术患者术后认知功能的影响	徐 丹 金 亮 罗方毅等	(5744)
彩色多普勒超声对新生儿肝炎综合征和胆道闭锁的临床鉴别价值	张丽莎 张 丹 万小梅等	(5748)
玻璃腔内注射曲安奈德联合真武汤加减治疗视盘血管炎继发黄斑水肿的临床疗效观察	赵亚东 徐夏冰 张少波等	(5753)
不同治疗方案治疗脊柱结核的效果对比	杜 伟 张 军 王新虎等	(5757)
液氮冷冻联合兰科肤宁治疗孕妇尖锐湿疣的临床效果评价	杨丽娟 贾 煜 党延玲等	(5761)
不同方式治疗原发性肝癌合并门静脉癌栓的治疗效果比较	梁鹏锋 张海鹏 范 明等	(5765)
宫腔镜联合腹腔镜与输卵管碘油造影治疗不孕不育症的临床疗效比较	李 懋 马 媛 梁新新等	(5769)
胃增强 CT 与超声双重造影诊断胃间质瘤临床价值研究	穆晓俊 刘亚斌 刘 毅等	(5773)
小儿脓毒性休克早期血乳酸浓度与病情严重程度的相关性分析	曾 珠 苏宇飞 邓阳彬等	(5777)
进展性缺血性卒中预后的相关因素分析	吕功伟 钟 镛 赵秀丽等	(5781)
·专论与综述·		
药用昆虫多糖的研究进展	霍俊成 李艺杰 李 萍等	(5788)
SPANX 蛋白的研究进展及其与男性生育力的相关性	傅 瑶 王行明 汤瑞玲等	(5793)
D- 二聚体测定在慢性阻塞性肺疾病的疗效评价及预后意义的研究进展	石明霞 张 薇 刘 磊等	(5797)
《现代生物医学进展》杂志简介及投稿指南		
(I ~ IV)		

责任编辑:王念、武海艳、郭晓东、李寿朋、王国华、陈文、田向荣、曾垂凯、陶维东、陈康、刁文一、崔玉宝

英文编辑:田林杰、王娟、杨尚琴、李媛媛、吕志刚、马军、符波、朱杰、许愿忠、靳大川、岳颖、陈芸芸

执行编辑:谢建平、曾乐平、刘子馨、郑林丰、周利红、周颖、张玉环、董佩锋、朱英杰、万民熙

封面设计:曾乐平、彭安安

Progress in Modern Biomedicine

Established in April 2001

Volume 17 Number 29

October 20 2017

Responsible: The public Health Bureau of Heilongjiang province
Sponsor: Heilongjiang Province Forestry General Hospital
The Fourth Hospital of Harbin Medical University
Cosponsor: Harbin Institute of Technology
Shanghai Jiao Tong University
Affiliated First People's Hospital
Editing: Editorial Board of Progress in Modern Biomedicine
No.32, Hexing Road, Harbin 150040
Tel:(0451) 82583800
http://biomed.net.cn
http://biomed.cnjournals.com
http://www.shengwuyixue.com
http://swcx.periodicals.net.cn
E-mail: biomed_54@126.com
E-mail: liudhui_21@126.com
E-mail: biomagnetism@163.com
Academic Adviser: YANG Bao-feng
LIU Song-hao RUAN Chang-geng
ZENG Yi-tao HE Lin
FU Shi-ying WANG Nai-qian
LIU Yu-qing HAO Xi-shan
ZENG Yi-xin ZHANG Qi-fan
Editor-in-chief:
SHEN Bao-zhong
Executive-Editor-in-chief:
WU Wen-zhong
Associate-Executive-Editor-in-chief:
MENG Qing-gang
Associate Editor-in-chief: LI Yu
ZHANG Gui-xiang HUANG Wen-hua
HUANG Ju-fang LIU Ping
LV huan-zhu ZENG Le-ping
TANG Yi-yuan ZENG Fan-yi
LIU Ming DAI Wen-jie
ZHANG Qing-yuan
Managing Director:
LIU Tong-kui
Managing Associate Director:
LIU Zi-xin XIE Jian-ping
ZHENG Lin-feng
Address of Editorial Department:
150001, Harbin No.54 Post-office box
(Room 403, No.184 at Huayuan Street, Harbin)
Tel: 0451-82583800 0451-53658268
Publishing: House, Journal of Progress in Modern Biomedicine
Printing: Harbin city Gongda save energy printing House
Overseas Distributor: China International Book Trading corporation.
P.O Box 399, Beijing, code No.Q1728
Mail-Order: Editorial Department of publishing House, Progress in Modern Biomedicine
Harbin 54 Post-office box, Harbin 150001
Tel: 0451-53658268 0451-82583800
CSSN: ISSN 1673-6273
CN 23-1544/R
Copyright 2017 by the publishing House of Progress in Modern Biomedicine
All articles published represent the opinions of the authors, do not reflect the official policy of the Editorial Board of Progress in Modern Biomedicine unless this is clearly specified.

Contents in Brief

ORIGINAL ARTICLES

·BASIC RESEARCH·

Coating of Decellularized Liver Matrix Solution Affects the Proliferation and Matrix Metalloproteinase Activity of HepG2 Cells
SUN Dong-sheng, LIU Yang, ZHANG Ying, et al
..... (5601)

Research on the Application of Next Generation Sequencing for the Detection of Promoter Methylation Status of *KISS1* and *GnRH* in GT1-7 Cell
JIA Mei-lan, WANG Mao-chun, XU Yuan, et al
..... (5607)

Enhanced Osteoblast Differentiation of Directional minTBP-1/IGF-1 Coatings Titanium under High-Glucose/ High-Fat Microenvironment
CHEN Ji, WANG Jun-jun, ZHANG Min, et al
..... (5611)

Construction of NPAS2 Knockout HepG2 Cell Line and Its Effect on the Apoptosis of Hepatocarcinoma Cells
LI Bo, LIU Feng-zhou, LIU Ming-li, et al
..... (5618)

Effects and Mechanism of Myricetin on Postinfarction Cardiac Remodeling and Dysfunction
LIU Gang, YUAN Ping-li, SUN Shu-hong, et al
..... (5623)

The Impact of Stomach Information and Gastric Motility in Microinjection of Orexin-A into the Rat Hypothalamic Arcuate Nucleus
DUAN Qiu-xia, YANG Dan-dan, PENG Xiao-yan, et al
..... (5628)

Progress in Modern Biomedicine

Established in April 2001

Volume 17 Number 29

October 20 2017

Effects of Lidocaine on Inflammation of Hippocampal Tissue and Cognitive Function

after Isoflurane Anesthesia in Rats

LI Shun-hong, FENG Lin, YUE Ji-min, et al (5633)

Effect and Mechanism of RNA Interference of c-Maf on the Apoptosis of Multiple Myeloma Cells

REN Jing-jing, LI Guang, LIU Zhi-qin, et al (5637)

Thioredoxin Increase the Autophagy to Alleviate Cardiac Microvascular Endothelial Cells Injury

Induced by High Glucose via Sirt3-P53 Pathway

ZHAO Zhi-lin, BAI Feng, REN Xu-ai, et al (5642)

Impact of Bone Cement and Bone Interface with or without Blood Environment on the Stability

before Cement Solidification

TANG Han, YANG Cheng-lin, SUN Xin-yang, et al (5646)

·CLINICAL RESEARCH·

Clinical Value of PTH Monitoring for the Prediction of Recurrence after Parathyroidectomy

WEN Ping, HOU Da-wei, CAO Jin-long, et al (5650)

Comparative and Analytic Research on Two Intraoperative Measuring Methods: Lineation Method

and Angular Method of Femoral Neck Anteversion's Correction in Children's Development

Dislocation of the Hip

SHA Jia, XU Hui-fa, YAN Ya-bo, et al (5654)

Clinical Investigation of Micro-implant Anchorage in the Treatment of Orthodontics

JIANG Xiao-lei, YAN Gui-jun, HUANG Xu-you, et al (5661)

Influence of Three Different Surgical Procedures on the Ovarian Function of Patients with

Endometriosis Cyst Complicated with Infertility

ZHANG Yan-mei, XU Jing-jing, ZHANG Qiong, et al (5665)

Effect of Different Doses and Directions of Ropivacaine Injection on the Anorectal Surgery

YAN Hong-tao, LI Kai, CHI Lin, et al (5669)

Clinical Efficacy and Feasibility Analysis of Neurophysiological Monitoring in the Microvascular

Decompression Surgery for Hemifacial Spasm

WANG Mo, WU Ming-kun, ZHANG Yang, et al (5673)

Progress in Modern Biomedicine

Established in April 2001

Volume 17 Number 29

October 20 2017

-
- Effect of Levator Palpebrae Superioris Muscle Recession and Frontalis Muscle Suspension
on Congenital Ptosis of Different Degrees**
LIU Ling, ZHANG Zhi-yang, WANG Wei, et al (5677)
- Simple Hepatic Cysts: Comparative Study on Ultrasound-guided Percutaneous Puncture
Lauromacrogol Injection and Anhydrous Ethanol Sclerotherapy**
LIU Jing, MENG Qing-xin, CUI Qi-chao, et al (5681)
- Clinical Efficacy of Inhaled Therapy with Symbicort Turbulaler in the Treatment of Patients with
Lung Cancer Complicated with Chronic Obstructive Pulmonary Disease and the Effect
on the Quality of Life**
HU Bin, ZHANG Long-fu, YU Rong-huan, et al (5686)
- Observation on the Effect of Buprenorphine Transdermal Patch on the Pain of Patients
with Scapulohumeral Periarthritis**
CAI Cheng-kui, TIAN Li-ying, MA Qiong, et al (5690)
- Influence of Ulinastatin on the Cerebral Oxygen Metabolism Inflammatory Factors and Renal
Function of Patients with Severe Craniocerebral Injury**
ZAN Xiang-yang, XIANG Xing-gang, CAI Ning, et al (5694)
- Curative Effect Observation of Patients Drinking Bile Postoperatively of Radical Resection
of Hilar Cholangiocarcinoma**
WEI Zhi-cheng, LIU Rong, WANG Chun-xi, et al (5698)
- Changes of Serum Liver Fibrosis Markers, Platelet Parameters and Ultrasound Imaging in Patients
with Hepatitis B Cirrhosis after Long-term Lamivudine Therapy**
WANG Qing-qiang, WANG Li-rong, WANG Li-wei, et al (5701)
- Clinical Observation on the Effect of Fuketuo on the Immune Function and Quality of Life
of Patients with Malignant Tumor**
LI Xiao-jia, LU Lu, YANG Ning, et al (5705)
- Research of IL-6 and IL-10 Combined with BISAP Score in Evaluation of Prognosis
in Patients with Severe Acute Pancreatitis**
ZHUO Yue, QIU Xiao-song, XUE Ting, et al (5708)
- Clinical Observation on Botulinum Toxin in the Treatment of Postherpetic Neuralgia**
ZHANG Ming-shuo, ZHOU Xiao-lin, GAO Xiao, et al (5712)

Progress in Modern Biomedicine

Established in April 2001

Volume 17 Number 29

October 20 2017

- Effects of Repetitive Transcranial Magnetic Stimulation on Language Development and Motor Function in Children with Spastic Cerebral Palsy**
WU Gai, BAO Ke-xiu, LI Zhi-lin, et al (5716)
- Elderly Patients with Cerebral Infarction Complicated with Urinary Tract Infections: Analysis of Distribution and Drug Resistance of Pathogenic Bacteria**
LU Xiang-li, SHAO Yi-ze, WANG Hui-min, et al (5720)
- Preliminary Application of Ultrasound Guided Sclerosing Agent Lauromacrogol in Treatment of Hepatic Cysts**
PENG Juan, ZHAN Jin-qin, YANG Min, et al (5724)
- Obsevation on the Clinical Effect and Prognosis of 3-field Lymphadenectomy by Right Transthoracic Approaches for Advanced Middle Thoracic Esophagus Cancer**
HE Gang, WANG Hong-bin, LIU Hai-lin, et al (5728)
- Comparison of the Detection Rate of CT and MRI in Cirrhosis under the Background of Small Liver Cancer**
JI Ru-ning, LIU Ke-fu, WANG Ying, et al (5732)
- The Comprehensive Effect of Dexmedetomidine on Sedation in Patients Undergoing Hyteromyomectomy with Spinal Epidural Analgesia**
DING He-bei, ZHANG Wen-wen, CHEN Wei-guo, et al (5736)
- Effects of Tegafur Combined with Docetaxel on the Levels of Serum VEGF, CA72-4 and Life Qualities in Patients with Metastatic Breast Cancer**
HU Fang, FU Jiang-ping, LIU Wei-hui, et al (5740)
- Effect of Sevoflurane and Remifentanil Combined with Anesthesia on Postoperative Cognitive Function in Patients Undergoing Gynecological Laparoscopic Myomectomy**
XU Dan, JIN Liang, LUO Fang-yi, et al (5744)
- Value of Color Doppler Ultrasound in Clinical Identification of Infant Hepatitis Syndrome and Biliary Atresia**
ZHANG Li-sha, ZHANG Dan, WAN Xiao-mei, et al (5748)
- Clinical Effects of Intravitreal Injection of Triamcinolone Acetonide Combined with Zhenwu Decoction in the Treatment of Macular Edema Combined with Optic Disc Vasculitis**
ZHAO Ya-dong, XU Xia-bing, ZHANG Shao-bo, et al (5753)

Progress in Modern Biomedicine

Established in April 2001

Volume 17 Number 29

October 20 2017

Comparison of the Effect of Different Treatment Regimen on Spinal Tuberculosis

DU Wei, ZHANG Jun, WANG Xin-hu, et al (5757)

Evaluation of the Clinical Effect of Cryotherapy Combined with Lankefunging on the Pregnant Women with Condyloma Acuminata

YANG Li-juan, JIA Yu, DANG Yan-ling, et al (5761)

Comparison of Different Therapeutic Methods to Treat Primary Hepatocellular Carcinoma with Portal Vein Tumor Thrombus

LIANG Peng-feng, ZHANG Hai-peng, FAN Ming, et al (5765)

Comparison of the Clinical Efficacy of Hysteroscopy Combined with Laparoscopy and Hysterosalpingography in the Treatment of Infertility

LI Mao, MA Yuan, LIANG Xin-xin, et al (5769)

Clinical Values of Enhanced CT and Double Contrast Radiography in Diagnosis of Gastric Stromal Tumor

MU Xiao-jun, LIU Ya-bin, LIU Yi, et al (5773)

Analysis of the Relationship between Blood Lactic Acid Concentration and Severity of Septic Shock in Children

ZENG Zhu, SU Yu-fei, DENG Yang-bin, et al (5777)

Analysis about Related Factors of Prognosis in Progressive Ischemic Stroke Patients

LV Gong-wei, ZHONG Di, ZHAO Xiu-li, et al (5781)

·MONOGRAPHS AND REVIEWS·

The Research Progress of Medicinal Insect Polysaccharides

HUO Jun-cheng, LI Yi-jie, LI Ping, et al (5788)

The Advances of SPANX and Its Correlation with Male Fertility

FU Yao, WANG Xing-ming, TANG Rui-ling, et al (5793)

Evaluation of Efficacy and Prognostic Significance of D-dimer in Patients with Chronic Obstructive Pulmonary Disease

SHI Ming-xia, ZHANG Wei, LIU Lei, et al (5797)



中国科技核心期刊

(中国科技论文统计源期刊)

收录证书

CERTIFICATE OF SOURCE JOURNAL
FOR CHINESE SCIENTIFIC AND TECHNICAL PAPERS AND CITATIONS

现代生物医学进展

经过多项学术指标综合评定及同行专家
评议推荐，贵刊被收录为“中国科技核心期
刊”（中国科技论文统计源期刊）。

特颁发此证书。

中国科学技术信息研究所

Institute of Scientific and Technical Information of China

北京复兴路 15 号 100038

www.istic.ac.cn

2016 年 10 月

证书编号: F250-2016-1641

有效期至: 2017 年 12 月