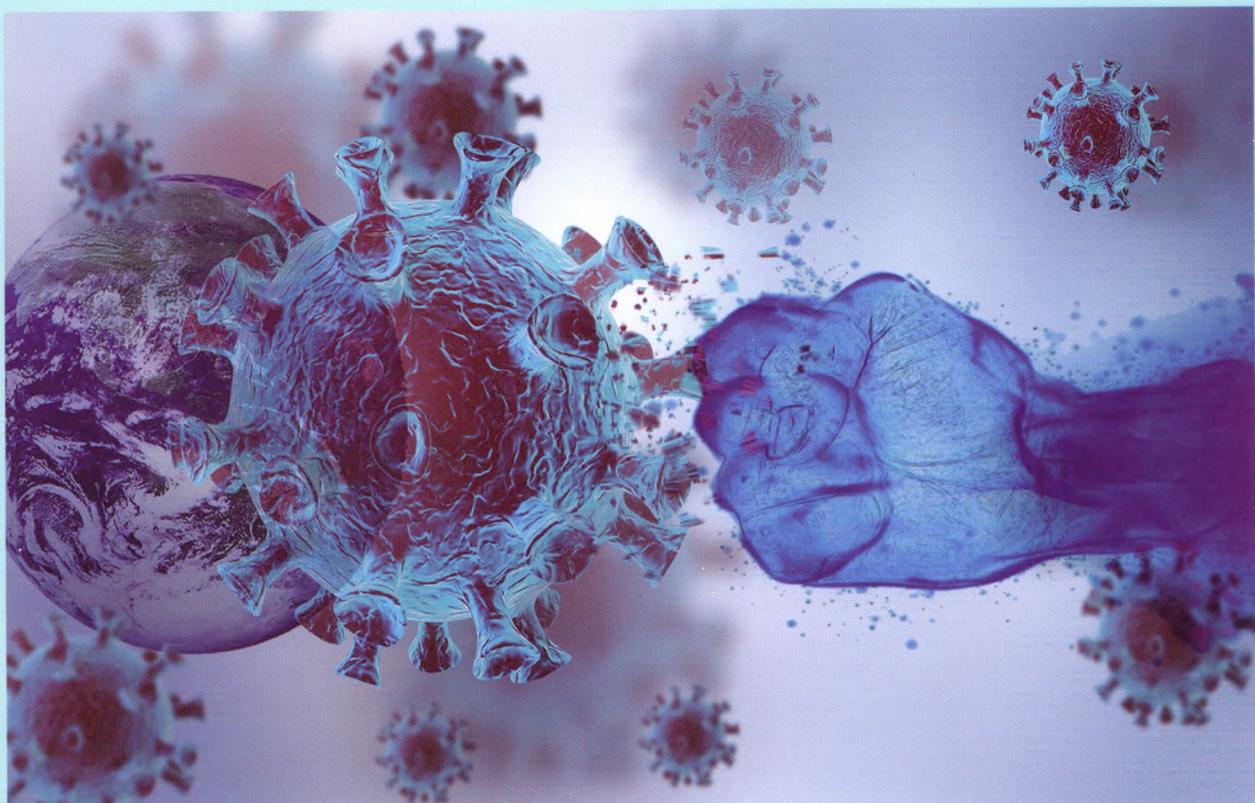


ISSN 1673-6273
CN 23-1544/R
CODEN SXJTA8

XIAN DAI SHENG WU YI XUE JIN ZHAN

现代生物医学进展

2021年 第21卷 第12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
英国国际农业与生物科学研究中心(CABI)数据库收录期刊

美国剑桥文摘(CSA)收录期刊
英国Global Health数据库收录期刊
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



9 771673 627214

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第21卷 第12期 2021年6月30日出版 Progress in Modern Biomedicine

主 管: 黑龙江省卫生健康委员会
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.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
张亭栋 王迺谦 刘玉清
郝希山 曾益新 张岂凡

执行主编: 吴文忠
主 编: 徐万海
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
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 720.00元

中国标准刊号: ISSN 1673-6273
CN 23-1544/R

2021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·

- 血清外泌体中长链RNA作为早期肾癌诊断标志物的研究 陈继胜 吴 巧 杨安桥等 (2201)
小鼠肠道类器官三种不同条件培养基的比较研究 赵新华 马怡茗 张小利等 (2207)
人脐带间充质干细胞对脊柱骨折大鼠愈合及神经功能的影响 卫永鲲 雷 涛 赵利明等 (2212)
慢病毒介导的绿色荧光蛋白报告基因对人多能干细胞的生物风险评估研究 潘 丽 王晓丹 吕德馨等 (2216)
miRNA-145-5p 调控 FMNL2 基因对口腔鳞癌干细胞增殖、迁移的影响 谭力芯 叶艳艳 熊 宇等 (2221)
基于对JNK信号通路的调控探讨齐墩果酸对食管癌细胞凋亡的影响 张月芬 孙岩娜 吴 戈等 (2226)
miR-181c-5p 在颅内动脉瘤中通过靶向PTPN4调节血管平滑肌细胞的机制研究 彭 浩 王义彪 刘朝晖等 (2230)
miR-124 与 MAPK/ERK 通路对调节脑梗死大鼠神经细胞凋亡的影响 职 瑾 段 斌 王 静等 (2235)
多组学大数据整合分析揭示早期胚胎发育过程中基因表达调控信息的变化规律 江 琦 汤小晗 陶 欢等 (2241)
·临床研究·
免疫增强型与普通肠内营养制剂对老年重症肺炎营养状态、肠黏膜屏障功能及T细胞亚群的影响 张晓曼 冯 雷 童金莲等 (2245)
中性粒细胞绝对值对脓毒血症并发肾损伤的早期诊断 董锦秀 方玉明 周红娟等 (2249)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第21卷 第12期 2021年6月30日出版 Progress in Modern Biomedicine

- MPO 技术结合锁定加压钢板、顺行交锁髓内钉及锁定加压钢板治疗肱骨干中段骨折疗效的对比研究 印杰 曹涤平 李超等 (2253)
- 胞质分裂作用因子 10 在肺癌诊断及预后中的意义 李昌盛 孙临奥 周雪峰等 (2258)
- 肌萎缩侧索硬化患者血清 SOD、GSH-Px、MIP-1 α 、VEGF 水平与肌电图特征及病程的关系研究 邢效如 袁富玲 郝雅男等 (2263)
- 21 例淋巴瘤合并肺部侵袭性真菌感染的回顾性临床分析 庞清阳 袁丽粉 俞夜花等 (2267)
- 利拉鲁肽联合达格列净对超重或肥胖 2 型糖尿病患者肾功能、氧化应激以及内脏脂肪含量的影响 温彩霞 杨晓燕 徐卫娟等 (2271)
- BiPAP 正压无创呼吸机辅助治疗老年 AECOPD 的临床疗效及对患者肺功能、血清炎性因子和预后指标的影响 胡海涛 李自健 胡振红等 (2275)
- 呼吸道感染患者多重耐药菌肺炎克雷伯菌的耐药及危险因素分析 高琳 李倩 王丽等 (2280)
- 急性心肌梗死患者心理弹性水平与生活质量、焦虑抑郁和医学应对方式的相关性分析 艾庆巍 田欢 高媛等 (2284)
- 鼻饲中药抗休克合剂治疗重症烧伤休克期患者的疗效及对胃肠道复苏的影响 徐顺 郭兵 王爱丽等 (2288)
- 伊立替康联合阿帕替尼治疗术后转移性胃癌患者临床疗效和安全性分析 李磊 王韬 曾俊琳等 (2293)
- 腹腔镜胃癌根治术后镇痛中地佐辛应用的有效性及对患者血流动力学的影响 张振 王君 张茹等 (2298)
- 女性宫颈癌认知情况、健康行为调查及知晓率的影响因素分析 何丹 梁英 李莲等 (2303)
- 结直肠癌组织 LRFN4、HMGB2、MAGE-A9 的表达及与临床病理特征和预后的关系分析 周珩 曹会鲲 胡晓东等 (2309)
- 小醒脑针刺法联合度洛西汀对持续性姿势-知觉性头晕患者心理状态、平衡功能及睡眠质量的影响 谭璐璐 何乾超 陈兴华等 (2314)
- 药火针联合补阳还五汤加减治疗糖尿病痹症疗效及神经因子影响 魏雪茹 韩宝华 宋军等 (2318)
- 超声引导下 18 针与 20 针穿刺活检对甲状腺结节的诊断效果比较 文榆林 高崇于 凌珑等 (2322)
- 羟考酮和舒芬太尼对丙泊酚靶控输注时患者意识消失和 BIS 的影响 秦艳 张万平 张海鹰等 (2327)
- 肺炎 3 号联合金银花治疗儿童肺炎对患儿呼吸功能和炎症反应水平影响 王燕飞 许园博 王燕星等 (2331)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第21卷 第12期 2021年6月30日出版 Progress in Modern Biomedicine

- 谷红联合尼莫地平在小血管病性认知障碍与大动脉粥样硬化性认知障碍中的疗效分析 刘 欣 董丹凤 吉 智等 (2335)
- 血浆内皮素配合描记动态脑电图在儿童晕厥诊断中应用的临床意义 梁妍琰 苏学文 张国栋等 (2340)
- 某三甲医院儿童和成年女性尿培养病原菌分布和耐药性分析 宋培培 张 琴 许 健等 (2344)
- 沙库巴曲缬沙坦钠片对高原地区慢性心力衰竭患者神经内分泌激素和心功能的影响 张 璐 常彩莲 王 武等 (2350)
- 神经肌肉关节促进训练对脑性瘫痪患儿智力及肢体功能的影响 王淑慧 高雪婷 周银月等 (2354)
- 33例普通型新型冠状病毒肺炎的临床特征分析 岳 英 李 荣 董西林等 (2358)
- 血清CD163、AFU、miR202在原发性肝癌诊断中的作用及在介入治疗前后的变化 王玉珏 彭 冲 李玉杰等 (2363)
- 不同病情高胆红素血症新生儿血清AST、IGF-1、NSE、CysC水平的表达及临床意义 王丽琴 王增成 李 瑞等 (2368)
- 灯盏生脉胶囊联合单硝酸异山梨酯缓释片对老年冠心病心绞痛患者心功能、血脂及血清IL-6、CRP水平的影响 郭红玲 欧阳艳红 王 圣等 (2373)
- 维持性血液透析患者腹主动脉钙化与左室重量指数、预后的关系及其影响因素分析 金立新 张艳玲 周健楠等 (2377)
- 系统性红斑狼疮患者血小板参数、血脂、补体C3、C4水平与病情活动度的关系分析 董海芸 宋维兴 李玉川等 (2382)
- 耳穴压豆疗法对老年髋部骨折患者术后谵妄、睡眠时间及焦虑水平的影响 赵 奎 张梅刃 曾 喻等 (2386)
- 专论与综述·
- 中医药治疗疲劳的研究进展 武琳璐 苗润宇 姚思森等 (2391)
- 蛋白质组氨酸磷酸化研究进展 曾 聪 赵 健 吴 静等 (2396)
- 重要信息·
- 《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、王沛坚、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、韩康、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 21 Number 12

June 30 2021

Responsible: Health Commission 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.cnjournals.com>

<http://www.shengwuyixue.com>

<http://swcx.periodicals.net.cn>

E-mail: biomed_54@126.com

E-mail: liuhui_21@126.com

E-mail: biomagnetism@163.com

Academic Adviser: YANG Bao-feng

LIU Song-hao	RUAN Chang-geng
ZENG Yi-tao	HE Lin
ZHANG Ting-dong	WANG Nai-qian
LIU Yu-qing	HAO Xi-shan
ZENG Yi-xin	ZHANG Qi-fan

Executive-Editor-in-chief:

WU Wen-zhong

Editor-in-chief:

XU Wan-hai

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: 2021 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•

Study on Serum Exosomal Long Chain RNA as Diagnostic Biomarkers for Early-stage Renal Cell Carcinoma

CHEN Ji-sheng, WU Qiao, YANG An-qiao, et al

(2201)

Comparison of Mouse Intestinal Organoids Cultured Under Different Conditions

ZHAO Xin-hua, MA Yi-ming, ZHANG Xiao-li, et al

(2207)

Effects of Human Umbilical Cord Mesenchymal Stem Cells on the Healing and Nerve Function of Spinal Fracture Rats

WEI Yong-kun, LEI Tao, ZHAO Li-ming, et al

(2212)

Green Fluorescence Protein Reporter Gene Labeled Human Induced Pluripotent Stem Cells Using Lentivirus

PAN Li, WANG Xiao-dan, LV De-xin, et al

(2216)

Effects of miRNA-145-5p Regulating FMNL2 Gene on Proliferation and Migration of Oral Squamous Cell Carcinoma Stem Cells

TAN Li-xin, YE Yan-yan, XIONG Yu, et al

(2221)

The Effect of Oleanolic Acid on the Apoptosis of Esophageal Cancer Cells Based on the Regulation of JNK Signaling Pathway

ZHANG Yue-fen, SUN Yan-na, WU Ge, et al

(2226)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 12

June 30 2021

Study on the Mechanism of miR-181c-5p Regulating Vascular

Smooth Muscle Cells by Targeting PTPN4 in Intracranial Aneurysms

PENG Hao, WANG Yi-biao, LIU Zhao-hui, et al (2230)

Effects of miR-124 and MAPK/ERK Pathway on Neuronal Apoptosis in Rats

with Cerebral Infarction

ZHI Jin, DUAN Bin, WANG Jing, et al (2235)

Integrative Multi-omics Analysis of Gene Regulation Mechanism during

Early Embryonic Development

JIANG Qi, TANG Xiao-han, TAO Huan, et al (2241)

·CLINICAL RESEARCH·

Effects of Immunoenhanced and Common Enteral Nutrition Preparations on Nutritional Status,

Intestinal Mucosal Barrier Function and T-cell Subsets in Elderly with Severe Pneumonia

ZHANG Xiao-man, FENG Lei, TONG Jin-lian, et al (2245)

Application of Absolute Value of Neutrophils in Early Diagnosis of Sepsis Combined

with Renal Injury

DONG Jin-xiu, FANG Yu-ming, ZHOU Hong-juan, et al (2249)

A Comparative Study of MIPO Combined with Locking Compression Plate,

Antegrade Interlocking Intramedullary Nail and Locking Compression Plate

in the Treatment of Middle Humeral Shaft Fracture

YIN Jie, CAO Di-ping, LI Chao, et al (2253)

Significance of Dediator of Cytokinesis 10 in Diagnosis and Prognosis of Lung Cancer

LI Chang-sheng, SUN Lin-ao, ZHOU Xue-feng, et al (2258)

Relationship Study between Serum SOD, GSH-PX, MIP-1 α and VEGF Levels and Electromyogram

Characteristics and Disease Course in Patients with Amyotrophic Lateral Sclerosis

XING Xiao-ru, YUAN Fu-ling, HAO Ya-nan, et al (2263)

Clinical Analysis of Invasive Pulmonary Fungal Infection in Patients with Twenty-one

non-Hodgkin's Lymphoma

PANG Yu-yang, YUAN Li-fen, YU Ye-hua, et al (2267)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 12

June 30 2021

Effects of Liraglutide Combined with Dapagliflozin on Renal Function, Oxidative Stress and

Visceral Fat Content in Overweight or Obese Patients with Type 2 Diabetes Mellitus

WEN Cai-xia, YANG Xiao-yan, XU Wei-juan, et al (2271)

Clinical Efficacy of BiPAP Positive Pressure Noninvasive Ventilator in the Treatment of

Elderly Patients with AECOPD and Its Influence on Pulmonary Function,

Serum Inflammatory Factors and Prognostic Indicators

HU Hai-tao, LI Zi-jian, HU Zhen-hong, et al (2275)

Analysis of Drug Resistance and Risk Factors of Multidrug Resistant Bacteria *Klebsiella Pneumoniae*

in Patients with Respiratory Tract Infection

GAO Lin, LI Qian, WANG Li, et al (2280)

Correlation Analysis of Resilience Level with Quality of Life, Anxiety and Depression

and Medical Coping Style in Patients with Acute Myocardial Infarction

AI Qing-wei, TIAN Huan, GAO Yuan, et al (2284)

The Efficacy of Nasogastric Feeding Chinese Medicine Anti-shock Mixture in the Treatment

of Severe Burn Shock Stage Patients and Its Influence on Gastrointestinal Resuscitation

XU Shun, GUO Bing, WANG Ai-li, et al (2288)

Efficacy and Safety of Irinotecan Combined with Apatinib in the Treatment of Postoperative

First-line Chemotherapy Failed Metastatic Gastric Cancer

LI Lei, WANG Tao, ZENG Jun-lin, et al (2293)

Efficacy of Dextrozine in Analgesia after Laparoscopic Radical Gastrectomy

and Its Effect on Hemodynamics

ZHANG Zhen, WANG Jun, ZHANG Ru, et al (2298)

Investigation on Cognition, Health Behavior of Women with Cervical Cancer and Analysis

on Influencing Factors of Awareness Rate

HE Dan, LIANG Ying, LI Lian, et al (2303)

The Expression of LRFN4, HMGB2 and MAGE-A9 in Colorectal Cancer Tissues and

Their Relationship with Clinicopathological Characteristics and Prognosis

ZHOU Heng, CAO Hui-kun, HU Xiao-dong, et al (2309)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 12

June 30 2021

Effect of Xiaoxingnao Acupuncture Combined with Duloxetine on Mental State, Balance Function

and Sleep Quality of Patients with Persistent Postural Perceptual Dizziness

TAN Lu-lu, HE Qian-chao, CHEN Xing-hua, et al (2314)

Therapeutic Effect and Influence of Nerve Factors on Diabetic Arthralgia Treated by

Herbal Fire Acupuncture Dombined with Buyang Huanwu Decoction

WEI Xue-ru, HAN Bao-hua, SONG Jun, et al (2318)

Comparison of Ultrasound-guided 18 Needle and 20 Needle Biopsy

in the Diagnosis of Thyroid Nodules

WEN Yu-lin, GAO Chong-yu, LING Long, et al (2322)

Effects of Oxycodone and Sufentanil on Patients' Loss of Consciousness and BIS during

Target-controlled Infusion of Propofol

QIN Yan, ZHANG Wan-ping, ZHANG Hai-ying, et al (2327)

Effect of Pneumonia 3 Combined with Honeysuckle on Children's Pneumonia on Respiratory

Function and Inflammation

WANG Yan-fei, XU Yuan-bo, WANG Yan-xing, et al (2331)

Analysis of the Curative Effect of Guhong Combined with Nimodipine in the Cognitive Impairment

of Small Vessel Disease and the Cognitive Impairment of Large Atherosclerosis

LIU Xin, DONG Dan-feng, JI Zhi, et al (2335)

Clinical Significance of Plasma Endothelin Combined with Tracing Dynamic Electroencephalogram

in the Diagnosis of Syncope in Children

LIANG Yan-yan, SU Xue-wen, ZHANG Guo-dong, et al (2340)

Distribution and Drug Resistance of Pathogenic Bacteria Isolated from Urine Culture

of Children and Adult Women in a Tertiary Hospital

SONG Pei-pei, ZHANG Qin, XU Jian, et al (2344)

Effect of Sacubatrolsartan Sodium Tablet on Neuroendocrine Hormones and Cardiac Function

in Patients with Chronic Heart Failure at High Altitude

ZHANG Lu, CHANG Cai-lian, WANG Wu, et al (2350)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 12

June 30 2021

Effects of Neuromuscular Joint Promotion Training on Intelligence and Limb Function

of Children with Cerebral Palsy

WANG Shu-hui, GAO Xue-ting, ZHOU Yin-yue, et al (2354)

Analysis of the Clinical Features of 33 Cases of Common Coronary Pneumonia

YUE Ying, LI Rong, DONG Xi-lin, et al (2358)

Role of Serum CD163, AFU and Mir202 in Diagnosis of Primary Liver Cancer and Their Changes

Before and After Interventional Therapy

WANG Yu-jue, PENG Chong, LI Yu-jie, et al (2363)

Expression and Clinical Significance of Serum AST, IGF-1, NSE and CysC Levels

in Neonates with Hyperbilirubinemia

WANG Li-qin, WANG Zeng-cheng, LI Rui, et al (2368)

Effects of Dengzhan Shengmai Capsule Combined with Isosorbide Mononitrate

on Cardiac Function, Blood Lipid, Serum IL-6 and CRP Levels in Elderly Patients

with Coronary Heart Disease and Angina Pectoris

GUO Hong-ling, OUYANG Yan-hong, WANG Sheng, et al (2373)

The Relationship between Abdominal Aortic Calcification and Left Ventricular Mass Index,

Prognosis and Analysis of Its Influencing Factors in Maintenance Hemodialysis Patients

JIN Li-xin, ZHANG Yan-ling, ZHOU Jian-nan, et al (2377)

Analysis of the Relationship between Platelet Parameters, Blood Lipid, Levels of Complement C3

and C4 and Disease Activity in Patients with Systemic Lupus Erythematosus

DONG Hai-yun, SONG Wei-xing, LI Yu-chuan, et al (2382)

Effect of Auricular Acupoint Pressing Therapy on Postoperative Delirium, Sleep Time and

Anxiety Level of Elderly Patients with Hip Fracture

ZHAO Kui, ZHANG Mei-ren, ZENG Xiao, et al (2386)

·MONOGRAPHS AND REVIEWS·

Research Progress of Traditional Chinese Medicine in the Treatment of Fatigue

WU Lin-lu, MIAO Run-yu, YAO Si-miao, et al (2391)

Review on Histidine Phosphorylation in Protein

ZENG Cong, ZHAO Jian, WU Jing, et al (2396)



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。



Institute of Scientific and Technical Information of China

北京复兴路 15 号 100038 www.istic.ac.cn

2020年12月

证书编号：2019-F250-1603
有效期至：2021年12月

万方数据

