

BIOMEDICINE

- 1 Fractionated evaluation of immunohistochemical hormone receptor expression enhances prognostic prediction in breast cancer patients treated with tamoxifen as adjuvant therapy / **Ching-Hung Lin, Huang-Chun Lien, Fu-Chang Hu, Yen-Shen Lu, Sung-Hsin Kuo, Ling-Chu Wu, San-Lin You, Ann-Lii Cheng, King-Jen Chang, Chiun-Sheng Huang**
- 10 Cytocompatibility of regenerated silk fibroin film: a medical biomaterial applicable to wound healing / **Tie-Nan Liu, Jing-Cheng Miao, Wei-Hua Sheng, Yu-Feng Xie, Quan Huang, Yun-Bo Shan, Ji-Cheng Yang**
- 17 Case Report: Surgical intervention of severe post-ERCP-pancreatitis accompanied with duodenum perforation / **Zuo-Bing Chen, Zhong-Yan Liang, Yun Zhang, Shao-Yang Zhang, Shu-Sen Zheng**
- 2 Case Report: Pancreatic somatostatinoma with obscure inhibitory syndrome and mixed pathological pattern / **Bo Zhang, Qiu-Ping Xie, Shun-Liang Gao, Yan-Biao Fu, Yu-Lian Wu**

BIOTECHNOLOGY

- 27 Science Letters: Quantification of *Helicobacter pylori* levels in soil samples from public playgrounds in Spain / **Leonardo Martín Pérez, Francesc Codony, Daniela López Leyton, Mariana Fittipaldi, Bárbara Adrados, Jordi Morató**
- 30 Viral infection of tobacco plants improves performance of *Bemisia tabaci* but more so for an invasive than for an indigenous biotype of the whitefly / **Jian Liu, Meng Li, Jun-Min Li, Chang-Jun Huang, Xue-Ping Zhou, Fang-Cheng Xu, Shu-Sheng Liu**
- 41 A food-grade industrial arming yeast expressing β -1,3-1,4-glucanase with enhanced thermal stability / **Qin Guo, Wei Zhang, Liu-Liu Ma, Qi-He Chen, Ji-Cheng Chen, Hong-Bo Zhang, Hui Ruan, Guo-Qing He**
- 52 Monoclonal antibody-based ELISA and colloidal gold-based immunochromatographic assay for streptomycin residue detection in milk and swine urine / **Jian-Xiang Wu, Shao-En Zhang, Xue-Ping Zhou**
- 61 Identification of *Colletotrichum* spp. isolated from strawberry in Zhejiang Province and Shanghai City, China / **Liu Xie, Jing-Ze Zhang, Yao Wan, Dong-Wei Hu**
- 71 Discrimination of rice panicles by hyperspectral reflectance data based on principal component analysis and support vector classification / **Zhan-Yu Liu, Jing-Jing Shi, Li-Wen Zhang, Jing-Feng Huang**

BIOTECHNOLOGY

- 79 Bed expansion behavior and sensitivity analysis for super-high-rate anaerobic bioreactor / **Xiao-Guang Chen, Ping Zheng, Jing Cai, Mahmood Qaisar**
- 87 Electricity generation and brewery wastewater treatment from sequential anode-cathode microbial fuel cell / **Qing Wen, Ying Wu, Li-Xin Zhao, Qian Sun, Fan-Ying Kong**
- 94 A facile synthesis of 2-aryloxypyrimidine derivatives via a tandem reductive amination/intermolecular S_NAr sequence / **Hai-Feng Wu, Pei-Zhi Zhang, Jun Wu**
- 102 Sodium tetrachloroaurate(III) dihydrate-catalyzed efficient synthesis of 1,5-benzodiazepine and quinoxaline derivatives / **Ren-Xin Shi, Yun-Kui Liu, Zhen-Yuan Xu**
- 109 Molecular characterization and infectivity of Papaya leaf curl China virus infecting tomato in China / **Hui Zhang, Xin-Ying Ma, Ya-Juan Qian, Xue-Ping Zhou**
- 115 A biologically inspired model for pattern recognition / **Eduardo Gonzalez, Hans Liljenström, Yusely Ruiz, Guang Li**

BIOMEDICINE

- 127 Distributions of HLA-A and -B alleles and haplotypes in the Yi ethnic minority of Yunnan, China: relationship to other populations / **Bo-Feng Zhu, Guang Yang, Chun-Mei Shen, Hai-Xia Qin, Shun-Zhi Liu, Ya-Jun Deng, Shuan-Liang Fan, Li-Bin Deng, Feng Chen, Ping Zhang, Jie Fang, Li-Ping Chen, Hong-Dan Wang, Zhen-Yuan Wang, Rudolf Lucas**
- 136 Nicotinamide *N*-methyltransferase protein expression in renal cell cancer / **Jun Zhang, Xin-You Xie, Su-Wen Yang, Jin Wang, Chao He**
- 144 Quantitative profiles of the mRNAs of ER- α and its novel variant ER- α 36 in breast cancers and matched normal tissues / **Yi Zheng, Jing Zhang, Zhen-Zhen Xu, Jian-Ming Sheng, Xiao-Chen Zhang, Hao-Hao Wang, Xiao-Dong Teng, Xiao-Jiao Liu, Jiang Cao, Li-Song Teng**

BIOTECHNOLOGY

- 151 Review: Global nutrient profiling by Phenotype Micro Arrays: a tool complementing genomic and proteomic studies in conidial fungi / **Lea Atanasova, Irina S. Druzhinina**
- 169 Identification of QTLs for yield and yield components of barley under different growth conditions / **Da-Weixue, Mei-Xue Zhou, Xiao-Qin Zhang, Song Chen, Kang Wei, Fan-Rong Zeng, Ying Mao, Fei-Bo Wu, Guo-Ping Zhang**
- 177 Catalytic ozonation-biological coupled processes for the treatment of industrial wastewater containing refractory chlorinated nitroaromatic compounds / **Bing-Zhi Li, Xiang-Yang Xi, Liang Zhu**
- 190 Effects of 60-day NO₂ fumigation on growth, oxidative stress and antioxidative response in Cinnamomum camphora seedlings / **Zhuo-Mei Chen, Ying-Xu Chen, Guo-Jian Du, Xi-Lin Wu, Feng Li**

BIOMEDICINE

- 200 Effects of moniliformin and selenium on human articular cartilage metabolism and their potential relationships to the pathogenesis of Kashin-Beck disease / **An Zhang, Jun-Ling Cao, Bo Yang, Jing-Hong Chen, Zeng-Tie Zhang, Si-Yuan Li, Qiang Fu, Clare E. Hugnes, Bruce Caterson**
- 209 Psychosocial impact of mothers with perinatal loss and its contributing factors: an insight / **Rosnah Sutan, Rosnah Mohamad Amin, Khatija Banu Ariffin, Tang Zoun Teng, Mohd Faiz Kamal, Rusli Zaim Rusli**
- 218 Case Report: Recurrent severe vomiting due to hyperthyroidism / **Li-Ying Chen, Bo Zhou, Zhou-Wen Chen, Li-Zheng Fang**
- 221 Science Letters: Proteomic analysis of differentially expressed proteins in mice with concanavalin A-induced hepatitis / **Xu-Fei Tan, Feng Chen, Shan-Shan Wu, Yu Shi, Dong-Cheng Liu, Zhi Chen**

BIOMEDICINE

- 227 Review: Urinary proteomics as a novel tool for biomarker discovery in kidney diseases / **Jing Wu, Yi-Ding Chen, Wei Gu**
- 238 Growth factors induce the improved cardiac remodeling in autologous mesenchymal stem cell-implanted failing rat hearts / **Ze-Wei Tag, Long-Gui Li, Zhao-Hua Geng, Tao Dang, Shan-Jun Zhu**
- 249 Relationships between serum lipid, lipoprotein, triglyceride-rich lipoprotein, and high-density lipoprotein particle concentrations in post-renal transplant patients / **Elżbieta Kimak, Magdalena Hałabiś, Iwona Baranowicz-Gąszczyk**
- 258 RegIV expression showing specificity to gastrointestinal tract and its potential role in diagnosing digestive tract neuroendocrine tumor / **Feng-Ying Li, Xiao-Bin Ren, En-Ping Xu, Qiong Huang, Hong-Qiang Sheng, Bing-Jian Lv, Mao-De Lai**
- 267 Effects of sevoflurane preconditioning and postconditioning on rat myocardial stunning in ischemic reperfusion injury / **An-Lu Dai, Li-Hua Fan, Feng-Jiang Zhang, Mei-Juan Yang, Jing Yu, Jun-Kuan Wang, Tao Fang, Gang Chen, Li-Na Yu, Min Yan**

BIOTECHNOLOGY

- 275 Spatial and seasonal characterization of net primary productivity and climate variables in southeastern China using MODIS data / **Dai-Liang Peng, Jing-Feng Huang, Alfredo R. Huete, Tai-Ming Yang, Ping Gao, Yan-Chun Chen, Hui Chen, Jun Li, Zhan-Yu Liu**
- 286 Accumulation of 1-deoxynojirimycin in silkworm, *Bombyx mori* L. / **Hao Yin, Xin-Qin Shi, Bo Sun, Jing-Jing Ye, Zu-An Duan, Xiao-Ling Zhou, Wei-Zheng Gui, Xiao-Feng Wu**
- 292 A facile approach to construct hybrid multi-shell calcium phosphate gene particles **Zhi-Xu Xu, Ran Zhang, You-Xiang Wang, Qiao-Ling Hu**
- 298 Neural decoding based on probabilistic neural network / **Yi Yu, Shao-Min Zhang, Huai-Jian Zhang, Xiao-Chun Liu, Qiao-Sheng Zhang, Xiao-Xiang Zheng, Jian-Hua Dai**

BIOTECHNOLOGY

- 307 Morphologic observation and classification criteria of atretic follicles in guinea pigs / **Wei Wang, Hong-Lin Liu, Wei Tian, Fen-Fen Zhang, Yan Gong, Jin-Wei Chen, Da-Gan Mao, Fang-Xiong Shi**
- 315 Inhibitory effect of Jeju endemic seaweeds on the production of pro-inflammatory mediators in mouse macrophage cell line RAW 264.7 / **Eun-Jin Yang, Ji-Young Moon, Min-Jin Kim, Dong Sam Kim, Chan-Snick Kim, Wook Jae Lee, Nam Ho Lee, Chang-Gu Hyun**
- 323 Neurochip based on light-addressable potentiometric sensor with wavelet transform de-noising / **Qing-Jun Liu, Wei-Wei Ye, Hui Yu, Ning Hu, Li-Ping Du, Ping Wang**
- 332 Analysis of genetic diversity in banana cultivars (*Musa cvs.*) from the South of Oman using AFLP markers and classification by phylogenetic, hierarchical clustering and principal component analyses / **Umezuruike Linus Opara, Dan Jacobson, Nadiya Abubakar Al-Saady**
- 342 Expression of a bee venom phospholipase A₂ from *Apis cerana cerana* in the baculovirus-insect cell / **Li-Rong Shen, Mei-Hui Ding, Li-Wen Zhang, Wei-Guang Zhang, Liang Liu, Duo Li**

BIOMEDICINE

- 350 Overexpression of the steroidogenic acute regulatory protein increases the expression of ATP-binding cassette transporters in microvascular endothelial cells (bEnd.3) / **Yan-Xia Ning, Shun-Lin Ren, Feng-Di Zhao, Lian-Hua Yin**
- 357 Piper sarmentosum as an antioxidant on oxidative stress in human umbilical vein endothelial cells induced by hydrogen peroxide / **Abdul Hamid Hafizah, Zakaria Zaiton, Amom Zulkhairi, Adenan Mohd Ilham, Megat Mohd Nordin Nor Anita, Abdullah Mahdy Zaleha**
- 36 A microarray analysis of early activated pathways in concanavalin A-induced hepatitis / **Qing-Yi Cao, Feng Chen, Jie Li, Shan-Shan Wu, Jing Wang, Zhi Chen**
- 378 Effect of increased intra-abdominal pressure and decompressive laparotomy on aerated lung volume distribution / **Jian-Cang Zhou, Qiu-Ping Xu, Kong-Han Pan, Chen Mao, Chong-Wu Jin**
- 386 Metachronous contralateral testicular and bilateral adrenal metastasis of chromophobe renal cell carcinoma: a case report and review of the literature / **Hai-Yang Wu, Li-Wei Xu, You-Yun Zhang, Yan-Lan Yu, Xin-De Li, Gong-Hui Li**
- 390 Erratum to: RegIV expression showing specificity to gastrointestinal tract and its potential role in diagnosing digestive tract neuroendocrine tumor / **Feng-Ying Li, Xiao-Bin Ren, En-Ping Xu, Qiong Huang, Hong-Qiang Sheng, Bing-Jian Lv, Mao-De Lai**

BIOMEDICINE

- 391 Leptotrichia hongkongensis sp. nov., a novel Leptotrichia species with the oral cavity as its natural reservoir / **Patrick C. Y. Woo, Samson S. Y. Wong, Jade L. L. Teng, Kit-Wah Leung, Antonio H. Y. Ngan, Dong-Qing Zhao, Herman Tse, Susanna K. P. Lau, Kwok-Yung Yuen**
- 402 Mathematical models of canine right and left atria cardiomyocytes / **Ling Xia, Ying-Lan Gong, Xiu-Wei Zhu, Yu Zhang, Qi Sun, Heng-Gui Zhang**
- 417 Multilayered polyelectrolyte-coated gold nanorods as multifunctional optical contrast agents for cancer cell imaging / **Li-Li Chen, Li Jiang, Ya-Lun Wang, Jun Qian, Sailing He**
- 423 **Mini-review:** Is alcohol consumption associated with gastroesophageal reflux disease? / **Shao-Hua Chen, Jie-Wei Wang, You-Ming Li**
- 429 **Case Report:** Congenital spinal intradural arachnoid cyst associated with intrathoracic meningocele in a child / **Zheng-Xi Rao, Jin Li, Si-Qing Hang, Chao You**
- 433 **Case Report:** Wernicke encephalopathy following splenectomy in a patient with liver cirrhosis: a case report and review of the literature / **Xia-Ping Zhang, Yuan-Qiang Lu, Wei-Dong Huang**

BIOTECHNOLOGY

- 437 Purification, chemical modification and immunostimulating activity of polysaccharides from Tremella aurantialba fruit bodies / **Xiu-Ju Du, Jing-Song Zhang, Yan Yang, Qing-Jiu Tang, Wei Jia, Ying-Jie Pan**
- 443 Responses of phospholipase D and lipoxygenase to mechanical wounding in postharvest cucumber fruits / **Yu-Ying Zhao, Chun-Lu Qian, Ji-Cheng Chen, Yan Peng, Lin-Chun Mao**
- 451 Mechanism of action of two insect toxins huwentoxin-III and hainantoxin-VI on voltage-gated sodium channels / **Rui-Lan Wang, Su Yi, Song-Ping Liang**
- 458 Synergistic effects of tea polyphenols and ascorbic acid on human lung adenocarcinoma SPC-A-1 cells / **Wei Li, Jian-Xiang Wu, You-Ying Tu**
- 465 Detection of nitrogen-overfertilized rice plants with leaf positional difference in hyperspectral vegetation index / **Qi-Fa Zhou, Zhan-Yu Liu, Jing-Feng Huang**

BIOTECHNOLOGY

- 471 Over-expression of the *AtGA2ox8* gene decreases the biomass accumulation and lignification in rapeseed (*Brassica napus* L.) / **Xiao-Ying Zhao, Deng-Feng Zhu, Bo Zhou, Wu-Sheng Peng, Jian-Zhong Lin, Xing-Qun Huang, Re-Qing He, Yu-Hong Zhuo, Dan Peng, Dong-Ying Tang, Ming-Fang Li, Xuan-Ming Liu**
- 482 Finite element analysis and modeling of water absorption by date pits during a soaking process / **Motahareh Waezi-Zadeh, Ahmad Ghazanfari, Shahin Noorbakhsh**
- 489 All-trans retinoic acid promotes smooth muscle cell differentiation of rabbit bone marrow-derived mesenchymal stem cells / **Zhong-Yuan Su, Ying Li, Xiao-Li Zhao, Ming Zhang**
- 497 Nitrogen transformations during co-composting of herbal residues, spent mushrooms, and sludge / **Dong-Lei Wu, Ping Liu, Yan-Zhang Luo, Guang-Ming Tian, Qaisar Mahmood**
- 506 In vitro assay for the anti-brucella activity of medicinal plants against tetracycline-resistant *Brucella melitensis* / **Hossein Motamedi, Esmaeil Darabpour, Mahnaz Gholipour, Seyyed Mansour Seyyed Nejad**
- 512 Brief Communications: QTLNetworkR: an interactive R package for QTL visualization / **Wen-Jun Zheng, Jian Yang, Jun Zhu**

BIOMEDICINE

- 516 Arachnoid cell involvement in the mechanism of coagulation-initiated inflammation in the subarachnoid space after subarachnoid hemorrhage / **Zhao-Liang Xin, Xiao-Kang Wu, Jian-Rong Xu, Xi Li**
- 524 Application of collagen-chitosan/fibrin glue asymmetric scaffolds in skin tissue engineering / **Chun-Mao Han, Li-Ping Zhang, Jin-Zhang Sun, Hai-Fei Shi, Jie Zhou, Chang-You Gao**
- 531 Validity and reliability testing of the Chinese (mainland) version of the 39-item Parkinson's Disease Questionnaire (PDQ-39) / **Wei Luo, Xiao-Hong Gui, Bo Wang, Wen-Ying Zhang, Zhi-Yuan Ouyang, Yi Guo, Bao-Rong Zhang, Mei-Ping Ding**
- 539 Case Report: Congenital atresia of the left main coronary artery in an infant / **Su Ye Sohn, Gi Young Jang, Byung Min Choi**
- 542 Case Report: Metastasis of gastric carcinoma to the thyroid and lung: a case report and review of literature / **Hwa-Chan Lee, Fen-Fen Chen, Ching-Chu Lo, Chung-Jing Wang, Wei-Chun Lo, Shi-Ping Luh**

**Special Issue for Selected Papers of the 4th Qianjiang International
Cardiovascular Congress (QICC4) July 29 to Aug. 1, 2010,
Hangzhou, China**

EDITORIAL

- 547 Advances in cardiovascular disease: how far is the summit? / **Jian-An Wang**

ARTICLES

- 548 Elevated high sensitive C-reactive protein and apelin levels after percutaneous coronary intervention and drug-eluting stent implantation / **Xin Du, Jun-Ping Kang, Jia-Hui Wu, Qiang Lv, Chao-Shu Tang, Chang-Sheng Ma**
- 553 Efficacy and safety of drug-eluting stent implantation for the treatment of in-stent restenosis occurring within bare-metal stent and drug-eluting stent / **Heng Ge, Qing Zhang, Wei Zhou, Qing He, Zhi-Hua Han, Ben He**
- 561 Two-stent strategy for renal artery stenosis with bifurcation lesion / **Hong-Bing Yan, Bin Zheng, Zheng Wu, Jian Wang, Han-Jun Zhao, Li Song, Yun-Peng Chi**
- 568 Computed tomography angiography-guided percutaneous coronary intervention in chronic total occlusion / **Ping Li, Lu-Yue Gai, Xia Yang, Zhi-Jun Sun, Qin-Hua Jin**
- 575 Temporal changes in circulating P-selectin, plasminogen activator inhibitor-1, magnesium, and creatine kinase after percutaneous coronary intervention / **Shu-Qin Ying, Mei-Xiang Xiang, Lu Fang, Jian-An Wang**
- 583 Effect of enalapril on plasma homocysteine levels in patients with essential hypertension / **Fang-Fang Fan, Yong Huo, Xu Wang, Xin Xu, Bin-Yan Wang, Xi-Ping Xu, Jian-Ping Li**
- 592 Relation of uric acid levels to aortic root dilatation in hypertensive patients with and without metabolic syndrome / **Li-Jiang Tang, Jian-Jun Jiang, Xiao-Feng Chen, Jian-An Wang, Xian-Fang Lin, Yu-Xi Du, Cong-Feng Fang, Zhao-Xia Pu**
- 599 Evaluation of recombinant endostatin in the treatment of atherosclerotic plaques and neovascularization in rabbits / **Wei Mao, Jing Kong, Jin Dai, Zhao-Quan Huang, Dong-Zhi Wang, Gui-Bao Ni, Min-Li Chen**
- 608 Heat shock protein 90 protects rat mesenchymal stem cells against hypoxia and serum deprivation-induced apoptosis via the PI3K/Akt and ERK1/2 pathways / **Feng Gao, Xin-Yang Hu, Xiao-Jie Xie, Qi-Yuan Xu, Ya-Ping Wang, Xian-Bao Liu, Mei-Xiang Xiang, Yong Sun, Jian-An Wang**
- 618 Danshen protects endothelial progenitor cells from oxidized low-density lipoprotein induced impairment / **Kang-Ting Ji, Jun-De Chai, Cheng Xing, Jin-Liang Nan, Peng-Lin Yang, Ji-Fei Tang**

CASE REPORT

- 627 Successful recanalization of chronic total occlusion of the superior mesenteric artery by transradial approach / **Woo Taek Kim, Sung Gyun Ahn, Jun-Won Lee, Joong Kyung Sung, Seung Hwan Lee, Junghan Yoon**

VIEWPOINTS

- 631 Current status and development of percutaneous coronary intervention in China / **Yong Huo**

MINI-REVIEW

- 634 Pacing technology: advances in pacing threshold management / **Chu-Pak Lau, Chung-Wah Siu**

BIOMEDICAL RESEARCH

- 639 Body mass index, waist circumference, and cardiometabolic risk factors in young and middle-aged Chinese women / **Xin Ying, Zhen-ya Song, Chang-jun Zhao, Yan Jiang**
- 647 Comparative features of colorectal and gastric cancers with microsatellite instability in Chinese patients / **Yan-qin Huang, Ying Yuan, Wei-ting Ge, Han-guang Hu, Su-zhan Zhang, Shu Zheng**
- 654 Cordycepin induces apoptosis by enhancing JNK and p38 kinase activity and increasing the protein expression of Bcl-2 pro-apoptotic molecules / **Wei He, Mei-fang Zhang, Jun Ye, Ting-ting Jiang, Xu Fang, Ying Song**
- 661 Sevoflurane postconditioning reduces myocardial reperfusion injury in rat isolated hearts via activation of PI3K/Akt signaling and modulation of Bcl-2 family proteins / **Li-na Yu, Jing Yu, Feng-Jiang Zhang, Mei-juan Yang, Ting-ting Ding, Jun-kuan Wang, Wei He, Tao Fang, Gang Chen, Min Yan**
- 673 Personalized image-based templates for precise acetabular prosthesis placement in total hip arthroplasty: a pilot study / **Bin Chen, Sheng-xiang Xiao, Peng-cheng Gu, Xiang-jin Lin**

META-ANALYSIS IN MEDICAL RESEARCH

- 681 Chewing substances with or without tobacco and risk of cardiovascular disease in Asia: a meta-analysis / **Li-na Zhang, Yun-mei Yang, Zhe-rong Xu, Qi-feng Gui, Qin-qing Hu**
- 690 Is short-term therapy really sufficient to eradicate *Helicobacter pylori* infection? / **Ning Zhou, Wei-xing Chen, Wei Zhang, Lan Li, Xi Jin, You-ming Li**

GENETIC ENGINEERING

- 702 Developing new SSR markers from ESTs of pea (*Pisum sativum* L.) / **Ya-ming Gong, Sheng-chun Xu, Wei-hua Mao, Qi-zan Hu, Gu-wen Zhang, Ju Ding, Ya-dan Li**
- 708 Analysis of the 3' ends of tRNA as the cause of insertion sites of foreign DNA in *Prochlorococcus* / **Hai-lan Liu, Jun Zhu**

ZOOLOGY

- 719 Effect of interrupted endogenous BMP/Smad signaling on growth and steroidogenesis of porcine granulosa cells / **Wei Wang, Li Wang, Xin-xiu Li, Xia Chen, Hai-yan Zhang, Yu He, Jing-jing Wang, Yong-yan Zhao, Bao-le Zhang, Yin-xue Xu**
- 728 Using chimeric piggyBac transposase to achieve directed interplasmid transposition in silkworm *Bombyx mori* and fruit fly *Drosophila* cells / **Na Wang, Cai-ying Jiang, Ming-xing Jiang, Chuan-xi Zhang, Jia-an Cheng**

BIOMEDICINE

- 735 Review: Diagnosis and treatment of primary spontaneous pneumothorax / **Shi-ping Luh**
- 745 Derived vascular endothelial cells induced by mucoepidermoid carcinoma cells: 3-dimensional collagen matrix model / **Sen Yang, Li-juan Guo, Qing-hong Gao, Ming Xuan, Ke Tan, Qiang Zhang, Yu-ming Wen, Chang-mei Wang, Xiu-fa Tang, Xiao-yi Wang**
- 754 A meta-analysis of randomized trials on clinical outcomes of paclitaxel-eluting stents versus bare-metal stents in ST-segment elevation myocardial infarction patients / **Xiao-hong Pan, Ying-xue Chen, Mei-xiang Xiang, Geng Xu, Jian-an Wang**
- 762 FLT3 and NPM1 mutations in Chinese patients with acute myeloid leukemia and normal cytogenetics / **Lei Wang, Wei-lai Xu, Hai-tao Meng, Wen-bin Qian, Wen-yuan Mai, Hong-yan Tong, Li-ping Mao, Yin Tong, Jie-jing Qian, Yin-jun Lou, Zhi-mei Chen, Yun-gui Wang, Jie Jin**
- 771 New technique: Development of a large-scale isolation chamber system for the safe and humane care of medium-sized laboratory animals harboring infectious diseases / **Xin Pan, Jian-cheng Qi, Ming Long, Hao Liang, Xiao Chen, Han Li, Guang-bo Li, Hao Zheng**
- 779 Case Report: Infliximab treatment in two Chinese patients with psoriatic arthritis / **Xi Xie, Jin-wei Chen, Fen Li, Jing Tian, Jie-sheng Gao, David Zhang**
- 783 Erratum to: Current status and development of percutaneous coronary intervention in China / **Yong Huo**

BIOTECHNOLOGY

- 784 Review: Epigenetic regulation of adipocyte differentiation and adipogenesis / **Hong-xing LI, Lei Xiao, Cheng Wang, Jia-li Gao, Yong-gong Zhai**
- 792 Assessment of genetic diversity by simple sequence repeat markers among forty elite varieties in the germplasm for malting barley breeding / **Jun-mei Wang, Jian-ming Yang, Jing-huan Zhu, Qiao-jun Jia, Yue-zhi Tao**
- 801 Effects of differently polarized microwave radiation on the microscopic structure of the nuclei in human fibroblasts / **Yuriy G. Shckorbatov, Vladimir N. Pasiuga, Elena I. Goncharuk, Tatiana Ph. Petrenko, Valentin A. Grabina, Nicolay N. Kolchigin, Dmitry D. Ivanchenko, Victor N. Bykov, Oleksandr M. Dumin**
- 806 Effects of gas supersaturation on lethality and avoidance responses in juvenile rock carp (*Procypris rabaudi* Tchang) / **Xiang Huang, Ke-feng Li, Jun Du, Ran Li**
- 812 Preparation of high-affinity rabbit monoclonal antibodies for ciprofloxacin and development of an indirect competitive ELISA for residues in milk / **Bin Huang, Yun Yin, Lei Lu, Hai Ding, Lin Wang, Ting Yu, Jia-jin Zhu, Xiao-dong Zheng, Yan-zhen Zhang**

BIOMEDICINE

- 819 Th17 promotes acute rejection following liver transplantation in rats / **Xiao-Jun Xie, Yu-Fu Ye, Lin Zhou, Hai-Yang Xie, Guo-Ping Jiang, Xiao-Wen Feng, Yong He, Qin-Fen Xie, Shu-Sen Zheng**
- 828 Clodronate-containing liposomes attenuate lung injury in rats with severe acute pancreatitis / **Sheng-Chun Dang, De-Li Jiang, Min Chen, Di Li, Jhn-Xin Zhang**
- 836 Investigation of the association between all-trans-retinol dehydrogenase (RDH8) polymorphisms and high myopia in Chinese / **Yan-Shu Yu, Lin-Ling Wang, Ye Shen, Maurice K. H. Yap, Shea-Ping Yip, Wei Han**
- 842 Case Report: Pure word deafness associated with extrapontine myelinolysis / **Ren-Jing Zhu, Zhi-Su Lv, Chun-Lei Shan, Ming-Wei Xu, Ben-Yan Luo**
- 848 Case Report: Fulminant type 1 diabetes in China: a case report and review of the literature / **Yun-Fei Feng, Mei-Fen Yao, Qi Li, Yan Sun, Cheng-Jiang Li, Jian-Guo Shen**

TRANSGENIC RESEARCH

- 851 Transgenic Brassica chinensis plants expressing a bacterial cod A gene exhibit enhanced tolerance to extreme temperature and high salinity / **Qing-Bin Wang, Wen Xu, Qing-Zhong Xue, Wei-Ai Su**
- 862 Transgenic barley with overexpressed PTrx increases aluminum resistance in roots during germination / **Qiao-Yun Li, Hong-Bin Niu, Jun Yin, Hong-Bo Shao, Ji-Shan Niu, Jiang-Ping Ren, Yong-Chun Li, Xiang Wang**

BIOTECHNOLOGY

- 871 Morphometric and meristic variation in two congeneric archer fishes *Toxotes chatareus* (Hamilton 1822) and *Toxotes jaculatrix* (Pallas 1767) inhabiting Malaysian coastal waters / **K. D. Simon, Y. Bakar, S. E. Temple, A. G. Mazlan**
- 880 Enzymatic synthesis of nucleosides by nucleoside phosphorylase co-expressed in *Escherichia coli* / **Qing-Bao Ding, Ling Ou, Dong-Zhi Wei, Xiao-Kun Wei, Yan-Mei Xu, Chun-Yan Zhang**
- 889 Rapid Communication: Preliminary study on the freeze-drying of human bone marrow-derived mesenchymal stem cells / **Shao-Zhi Zhang, Huan Qian, Zhen Wang, Ju-Li Fan, Qian Zhou, Guang-Ming Chen, Rui Li, Shan Fu, Jie Sun**

BIOMEDICINE

- 895 Improved myocardial perfusion and cardiac function by controlled-release basic fibroblast growth factor using fibrin glue in a canine infarct model / **Shao-ping NIE, Xiao WANG, Shi-bin QIAO, Qiu-tang ZENG, Ju-quan JIANG, Xiao-qing LIU, Xiang-ming ZHU, Guo-xiang CAO, Chang-sheng MA**
- 905 Effect of high glucose levels on the calcification of vascular smooth muscle cells by inducing osteoblastic differentiation and intracellular calcium deposition via BMP-2/Cbfa-1 pathway / **Fang LIU, Hui ZHONG, Jing-yuan LIANG, Ping FU, Zhi-juan LUO, Li ZHOU, Rong GOU, Jun HUANG**
- 912 Prognostic value of serum soluble Fas in patients with locally advanced unresectable rectal cancer receiving concurrent chemoradiotherapy / **Qi-lian LIANG, Zhou-yu LI, Guo-qiang CHEN, Zhen-nan LAI, Bi-rong WANG, Jie HUANG**
- 918 Clinicopathological features of atypical lipomatous tumors of the laryngopharynx / **Huai-yin SHI, Li-xin WEI, Hong-tian WANG, Lu SUN**
- 923 Colorectal cancer cell growth inhibition by linoleic acid is related to fatty acid composition changes / **Xiao-feng LU, Guo-qing HE, Hai-ning YU, Qi MA, Sheng-rong SHEN, Undurti N. DAS**

MEDICAL ELECTRONICS

- 931 Electromagnetic effects on the biological tissue surrounding a transcutaneous transformer for an artificial anal sphincter system / **Peng ZAN, Bang-hua YANG, Yong SHAO, Guo-zheng YAN, Hua LIU**
- 938 An intelligent electronic capsule system for automated detection of gastrointestinal bleeding / **Hong-ying LIU, Gang WANG, Kang WEI, Xi-tian PI, Lan ZHU, Xiao-lin ZHENG, Zhi-yu WEN**

NEUROPSYCHOLOGY

- 944 EEG dynamics reflects the partial and holistic effects in mental imagery generation / **Jian LI, Yi-yuan TANG, Li ZHOU, Qing-bao YU, Song LI, Dan-ni SUI**

BIOTECHNOLOGY

- 952 Follicle-stimulating hormone promotes proliferation of cultured chicken ovarian germ cells through protein kinases A and C activation / **Hong-yun LIU, Wei-dong ZENG, Ai-ling CAO, Cai-qiao ZHANG**
- 958 Quantitative trait loci analysis for rice seed vigor during the germination stage / **Zhou-fei WANG, Jian-fei WANG, Yong-mei BAO, Fu-hua WANG, Hong-sheng ZHANG**
- 965 Response to temperature stress of reactive oxygen species scavenging enzymes in the cross-tolerance of barley seed germination / **Yu-qin MEI, Song-quan SONG**
- 973 Chemical composition and antioxidant activity of certain *Morus* species / **Mohammad IMRAN, Hamayun KHAN, Mohibullah SHAH, Rasool KHAN, Faridullah KHAN**

- I Total contents