

6

2021

2021年 第37卷 第6期
Vol.37 No.6 2021

ISSN 1000-8721

CN 11-1865/R



QK2147446

病毒学报

B I N G D U X U E B A O

CHINESE JOURNAL OF VIROLOGY



中国微生物学会
Chinese Society for Microbiology

目次

新型冠状病毒研究专题论著

SARS-CoV-2污染的进口冷链产品导致的一起大连本土新冠疫情

……王信,薄志坚,毛玲玲,杨世宏,鲁茁壮,聂凯,冯晔因,赵翔,姚文清,孙英伟,孙海波,吴凡,向妮娟,王越,宋洋,马会来,陈操,马学军,孙克,许文波(1283)

喀什边境口岸陆运卡车及集装箱污染的新冠病毒基因特征分析

……冯晔因,崔燕,陈志肖,郝振国,梦遥,马鑫,赵翔,赵俊,聂凯,王森路,张璇,王信,陈媛,李方,王希江,甫尔哈提·吾守尔,许文波,陈操,王大燕(1292)

人类病毒研究论著

水痘-带状疱疹病毒ORF43蛋白的单克隆抗体制备及初步研究

……翟兵可,潘德全,付文锐,蔡雨泽,王伟,赵欢,阙玉琼,程通,夏宁邵(1302)

GII.26型诺如病毒的组织血型抗原结合特征

……李涵博,丛鑫,段招军(1310)

基于GII.4型诺如病毒P蛋白的GII型广谱单克隆抗体制备及应用

……高璐珊,薛亮,蔡伟程,廖颖茵,左月婷,张菊梅,吴清平(1317)

安徽省2017-2018年手足口病柯萨奇病毒A6型基因进化特征分析

……史永林,葛盈露,马婉婉,陈芳,陈国平,孙永,苏斌(1326)

柯萨奇病毒A9型山东地方株的进化遗传学特征

……黄蓉蓉,林小娟,李漫时,刘尧,熊萍,赵晨旭,陶泽新,徐爱强(1333)

被动免疫轮状病毒NSP4&VP7双抗原重组腺病毒对感染乳鼠的排毒保护作用

……谢力,曾韦锐,贾静,句红萍,唐丽媛,秦林才,吴晋元,李鸿钧,孙茂盛(1341)

PGC-1 α 基因在HIV-1包膜糖蛋白gp120诱导神经元线粒体功能障碍中的作用及机制研究

……王星,刘江福,杨鹏雅,何秀华,李由(1348)

HPV-16/18血清中和抗体阳性率及其与宫颈病变相关性研究

……胡芳芳,姚星妹,阴建,陈祺,苏迎盈,潘秦镜,张询,陈汶,吴婷,乔友林(1355)

宫颈癌中高危型HPV感染与miR-362-3p、Nemo样激酶表达的相关性研究

……赵虹,张芬,张振东(1363)

1株人乳头瘤病毒6型山东地方株的全基因组序列分析

……张翠,纪峰,林小娟,寇增强,徐爱强,陶泽新,宋艳艳(1370)

通过反向遗传操作技术构建传染性支气管炎病毒nsp15核酸内切酶活性缺陷型重组毒株

……翁文莲,宫晓倩,高波,方守国,王欢,钱琨,丁铲,廖琪(1376)

2018-2019年福州腹泻住院儿童A组轮状病毒全基因组分析

……黄枝妙,吴冰珊,林琦,林卫东,翁育伟(1385)

不同固定液对Vero E6细胞形态和染色的影响及在病毒噬斑分析中的应用

……黄楠,郎巧利,葛良鹏,杨希(1394)

戊型肝炎病毒感染激活补体系统

……王文静,张逸轲,王珏,禹文海,魏大巧,黄芬(1400)

KSR2基因3'UTR双荧光素酶报告基因载体构建及其与hcmv-miR-UL70-3p和hcmv-miR-US4-3p靶向关系验证

……李池慧,陶然,李华美,李伟,尚世强,张钧(1410)

内质网应激在乙型脑炎病毒诱导神经元细胞凋亡中的作用及机制研究

……王贵霞,曾跃,余婷,林家福,王丽恒,牛绍伟,任亮(1420)

LAT基因簇miRNA的CRISPR/Cas9基因编辑对马立克病病毒体外复制的影响分析

……楚钰淑,滕蔓,周子誉,石彬,郑鹿平,刘金玲,罗俊,张改平(1428)

实验室质量控制与生物安全专题论著

医学病毒学生物安全三级动物实验室的建立李洁,韩俊(1440)

动物病毒研究论著

草鱼呼肠孤病毒NS31蛋白在昆虫细胞中表达及互作多肽筛选万德佳,喻飞,吕利群(1448)

一起荷兰斯坦奶牛乳头瘤病诊断及其病毒基因型分析

.....孙普,马雪青,李平花,朱新荣,扎西英派,白兴文,包慧芳,卢曾军,刘在新(1459)

植物病毒研究论著

苹果锈果类病毒(ASSVd)保定分离物草本寄主鉴定及侵染性cDNA克隆构建

.....郝娜娜,李紫腾,杨毅清,江彦军,蒋东帅,孟祥龙,胡同乐,王树桐,王亚南,曹克强(1466)

水稻条纹病毒p2与本氏烟柯浩体蛋白互作李阳,谢理,祝建烜,郑璐平(1476)

综述

非洲猪瘟病毒调控宿主细胞因子表达水平的研究进展黄瑶,赵军,曾喻兵,谷思睿,王玉玲,徐志文,朱玲(1484)

致手足口病肠道病毒的病原学研究进展黄浩,盘珍梅,潘燕兰(1491)

盖塔病毒研究进展王玉玲,米勇,江朝源,黄瑶,谷思睿,朱玲,徐志文(1502)

环状RNA与病毒感染之间相互关系的研究进展许泽军,刘炜玮,王桂军,丁铲(1508)

伪狂犬病毒潜伏感染相关病毒因子研究进展谷思睿,赵军,陈弟诗,黄瑶,王玉玲,徐雷,周莉媛,朱玲,徐志文(1515)

病毒在牙周疾病中作用的研究进展李天骄,张尽美,杨靖梅(1525)

寨卡病毒检测研究进展那琳,许梅花(1534)

信息

《病毒学报》获得中国精品科技期刊顶尖学术论文(F5000)项目来源期刊证书(2017-2020年)(封二)

《病毒学报》获得中国精品科技期刊证书(2008年)(封三)

《病毒学报》入编《中文核心期刊要目总览》2020年版(第9版)之基础医学类核心期刊(插页)

《病毒学报》获得中国科技核心期刊收录证书(2020年)(插页)

《病毒学报》获得RCCSE中国核心学术期刊(A)证书(2020年)(插页)

《病毒学报》获得中国科学引文数据(CSCD)核心来源期刊证书(2021-2022年)(插页)

《病毒学报》获得中国医药卫生核心期刊收录证书(2021-2022年)(插页)

《病毒学报》编辑部入选学术出版新技术应用与公共服务实验室示范合作伙伴证书(2021年)(插页)

2021年中国微生物学会及各专业委员会学术活动计划表(插页)

《病毒学报》征稿简则(2018年12月25日修订)(插页)

《病毒学报》第六届编辑委员会成员名单(插页)

期刊基本参数:CN-11-1865/R*1985*b*A4*256*zh*P*128*1000*31*2021-06

执行主编:王玉梅 责任编辑:王玉梅 助理执行编辑:胡大伟

专业英文审校:张智清 出版英文审校:王玉梅

CONTENTS

Novel Coronavirus Articles

A Local COVID-19 Outbreak in Dalian Caused by Imported Cold-chain Products Contaminated by SARS-CoV-2

···WANG Ji, BO Zhijian, MAO Lingling, YANG Shihong, LU Zhuozhuang, NIE Kai, FENG Yanan, ZHAO Xiang, YAO Wenqing, SUN Yingwei, SUN Haibo, WU Fan, XIANG Nijuan, WANG Yue, SONG Yang, MA Huilai, CHEN Cao, MA Xuejun, SUN Ke, XU Wenbo (1291)

Genetic Characterization of SARS-CoV-2 from Cross-Border Trucks and Containers in Kashgar Prefecture, Xinjiang Uygur Autonomous Region, China

······FENG Yanan, CUI Yan, CHEN Zhixiao, GAO Zhenguo, MENG Yao, MA Xin, ZHAO Xiang, ZHAO Jun, NIE Kai, WANG Senlu, ZHANG Xuan, WANG Ji, CHEN Yuan, LI Fang, WANG Xijiang, WUSHOUER Fuerhati, XU Wenbo, CHEN Cao, WANG Dayan (1301)

Human Virus Articles

Preparation and Preliminary Study of Monoclonal Antibodies Against Varicella-zoster Virus ORF43

······ZHAI Bingke, PAN Dequan, FU Wenkun, CAI Yuze, WANG Wei, ZHAO Huan, QUE Yuqiong, CHENG Tong, XIA Ningshao (1309)

Characterization of GII.26 Norovirus Binding to Histo-blood Group Antigens ·····LI Hanbo, CONG Xin, DUAN Zhaojun (1316)

Preparation and Application of GII Norovirus Broad-spectrum Monoclonal Antibody Based on GII.4 Norovirus P Protein

······GAO Junshan, XUE Liang, CAI Weicheng, LIAO Yingyin, ZUO Yueting, ZHANG Jumei, WU Qingping (1325)

Genetic Characterization of Coxsackievirus A6 Associated with Hand, Foot, and Mouth Disease in Anhui Province, China, 2017-2018

······SHI Yonglin, GE Yinglu, MA Wanwan, CHEN Fang, CHEN Guoping, SUN Yong, SU Bin (1332)

Evolutionary Genetics of Coxsackievirus A9 in Shandong Province, China

······HUANG Rongrong, LIN Xiaojuan, LI Manshi, LIU Yao, XIONG Ping, ZHAO Chenxu, TAO Zexin, XU Aiqiang (1340)

Passive Immune Protection of Recombinant Adenovirus Expressing Rotavirus NSP4&VP7 in Neonatal Mice

···XIE Li, ZENG Weikun, JIA Jing, JU Hongping, TANG Liyuan, QIN Lincui, WU Jinyuan, LI Hongjun, SUN Maosheng (1347)

Role and Mechanism of Action of the PGC-1 α Gene in HIV-1 Glycoprotein Gp120-induced Mitochondrial Dysfunction in Neurons

······WANG Xing, LIU Jiangfu, YANG Pengya, HE Xiuhua, LI You (1354)

Seroprevalence of HPV-16/18 Neutralizing Antibodies and the Association with Cervical Lesions

······HU Fangfang, YAO Xingmei, YIN Jian, CHEN Qi, SU Yingying, PAN Qinjing, ZHANG Xun, CHEN Wen, WU Ting, QIAO Youlin (1362)

Correlation Between High-risk HPV Infection and Expression of miR-362-3p and Nemo-like Kinase in Cervical Cancer

······ZHAO Hong, ZHANG Fen, ZHANG Zhendong (1369)

Complete Genome Sequence Analysis of a Human Papillomavirus 6 Isolate in Shandong Province, China

······ZHANG Cui, JI Feng, LIN Xiaojuan, KOU Zengqiang, XU Aiqiang, TAO Zexin, SONG Yanyan (1375)

Construction of Infectious Bronchitis Virus Endoribonucleasensp15 Defective Recombinant Virus by Reverse Genetic System

······WENG Wenlian, GONG Xiaoqian, GAO Bo, FANG Shouguo, WANG Huan, QIAN Kun, DING Chan, LIAO Ying (1384)

Whole-genome Analysis of Group a Rotavirus Circulating Among Children with Acute Diarrhea in Fuzhou, China, in 2018-2019

······HUANG Zhimiao, WU Bingshan, LIN Qi, LIN Weidong, WENG Yuwei (1393)

- Effects of Different Fixing Agents on Vero E6 Cell Staining and Application in Virus Plaque Assay
.....HUANG Nan, LANG Qiaoli, GE Liangpeng, YANG Xi (1399)
- Hepatitis E Virus Infection Activates the Complement System
.....WANG Wenjing, ZHANG Yike, WANG Jue, YU Wenhai, WEI Daqiao, HUANG Fen (1409)
- Construction of the 3'-UTR Dual Luciferase Reporter Vector of the KSR2 Gene and Verification of Its Targeting Relationship with hcmv-miR-UL70-3p and hcmv-miR-US4-3pLI Chihui, TAO Ran, LI Huamei, LI Wei, SHANG Shiqiang, ZHANG Jun (1419)
- Role and Mechanism of Endoplasmic Reticulum Stress in Japanese Encephalitis Virus Induced Neuronal Apoptosis
.....WANG Guixia, ZENG Yue, YU Ting, LIN Jiafu, WANG Liheng, NIU Shaowei, REN Liang (1427)
- CRISPR/Cas9 System-based Gene Editing of the LAT-clustered MicroRNAs and Its Influence on *in vitro* Replication of Marek's Disease VirusCHU Yushu, TENG Man, ZHOU Ziyu, SHI Bin, ZHENG Luping, LIU Jinling, LUO Jun, ZHANG Gaiping (1439)
- Special Articles on Laboratory Quality Control and Biosafety**
- Establishment of Animal Biosafety Level 3 Laboratories for Medical VirologyLI Jie, HAN Jun (1447)
- Animal Virus Articles**
- Eukaryotic Expression of the NS31 Protein of Grass Carp Reovirus in Insect Cells and Screening of Interacting Peptides
.....WAN Sijia, YU Fei, LYU Liquan (1458)
- Diagnosis of Papilloma and Genotype Characterization of the Bovine Papillomavirus from Holstein Milk Cows in Gansu Province, China
.....SUN Pu, MA Xueqing, LI Pinghua, ZHU Xinrong, ZHAXI Yingpai, BAI Xingwen, BAO Huifang, LU Zengjun, LIU Zaixin (1465)
- Plant Virus Articles**
- Identification of Herbaceous Hosts of Apple Scar Skin Viroid (ASSVd) BD-1 and Construction of an Infectious cDNA Clone
.....XI Nana, LI Ziteng, YANG Yiqing, JIANG Yanjun, JIANG Dongshuai, MENG Xianglong, HU Tongle, WANG Shutong, WANG Yanan, CAO Keqiang (1475)
- Interaction Between Rice Stripe Virus p2 Protein and *Nicotiana Benthamiana* Cajal Body Protein
.....LI Yang, XIE Li, ZHU Jianxuan, ZHENG Luping (1483)
- Review of Literatures**
- Research Advances in Regulation of Expression of Cytokines in Hosts by the African Swine Fever Virus
.....HUANG Yao, ZHAO Jun, ZENG Yubing, GU Sirui, WANG Yuling, XU Zhiwen, ZHU Ling (1490)
- Research Progress on the Etiology of Enterovirus Causing Hand Foot and Mouth Disease
.....HUANG Hao, PAN Zhenmei, PAN Yanlan (1501)
- The Progress of Getah Virus Research
.....WANG Yuling, MI Yong, JIANG Chaoyuan, HUANG Yao, GU Sirui, ZHU Ling, XU Zhiwen (1507)
- Research Progress in the Relationship Between Circular RNA and Viral Infection
.....XU Zejun, LIU Weiwei, WANG Guijun, DING Chan (1514)
- Research Progress in Viral Factors Associated with Latent Infection of Pseudorabies Virus
.....GU Sirui, ZHAO Jun, CHEN Dishu, HUANG Yao, WANG Yuling, XU Lei, ZHOU Liyuan, ZHU Ling, XU Zhiwen (1524)
- Research Advances in the Role of Viruses in Periodontal DiseaseLI Tianjiao, ZHANG Jinmei, YANG Jingmei (1533)
- Research Progress on the Detection of Zika VirusNA Lin, XU Meihua (1538)

Executive Editor-in-Chief: WANG Yumei

Professional English Reviewer: ZHANG Zhiqing

Publishing English Reviewer: WANG Yumei

病毒学报

第37卷 第6期 2021年11月

(双月刊 1985年创刊)

主管单位 中国科学技术协会
主办单位 中国微生物学会
编辑 委员会
(北京西城区迎新街100号100052)

总编辑 舒跃龙
执行主编/编辑部主任 王玉梅
出版 《病毒学报》编辑部
(北京西城区迎新街100号100052)
电话/传真: 8610-63536460
E-mail: bdx@chinajournal.net.cn
主 页 <http://bdxb.cbpt.cnki.net>

印刷装订 北京科信印刷有限公司
国内发行 北京市报刊发行局

订 阅 全国各地邮局

国外发行 中国国际图书贸易总公司

国际标准连续出版物号 ISSN 1000-8721

国内统一连续出版物号 CN 11-1865/R

国内邮发代号 82-227

国外发行代号 BM6448

CHINESE JOURNAL OF VIROLOGY

Vol.37 No.6 November 2021

(Bimonthly, Established in 1985)

Responsible Institution: China Association for Science
and Technology

Sponsored by Chinese Society for Microbiology
Edited by Editorial Board of Chinese Journal
of Virology (100 Ying Xin Jie, Xi Cheng Qu,
Beijing 100052, China)

Editor-in-Chief: SHU Yuelong

Executive Editor/Director of Editorial Office: WANG Yumei

Published by Editorial Office of Chinese Journal
of Virology (100 Ying Xin Jie, Xi Cheng Qu,
Beijing 100052, China)

Tel/Fax: 8610-63536460

E-mail: bdx@chinajournal.net.cn

[Http://bdxb.cbpt.cnki.net](http://bdxb.cbpt.cnki.net)

Beijing Kexin Printing Co., Ltd.

Distributed by Beijing Bureau for Distribution
of Newspapers and Journals

Domestic Subscription: All Local Post Offices in China

Foreign: China International Book Trading Corporation

International Standard Serial Number: ISSN 1000-8721

CN Serial Numbering: CN 11-1865/R

Post Office Code: 82-227



ISSN 1000-8721



每册定价:128元 全年定价:768元

