

- 中文体育类核心期刊
• 中国人文社会科学期刊
AMI综合评价（A刊）核心期刊
• CSSCI来源期刊

ISSN 1002-9826
CN 11-2284/G8

中国体育科技

CHINA SPORT SCIENCE AND TECHNOLOGY



国家体育总局体育科学研究所 2021年11月 第57卷 第

11 期

<http://www.cisszgyt.com> E-mail:bjb@ciss.cn

中国体育科技

(月刊)
ZHONGGUO TIYU KEJI

国家体育总局
主管
国家体育总局体育科学研究所
主办

2021年(第57卷)第11期
(2021年11月15日出版)

期刊基本参数:CN11-2284/G8 * 1959 * b * 16 * 112* zh * P * ¥25.00 * 1800 * 15* 2021-11

目 次

科技助力 北京冬奥

- 速度节奏对我国速度滑冰运动员1500 m比赛成绩的影响 张马森,冯茹,刘卉*(3)
下肢肌肉形态与自由式滑雪空中技巧运动员平衡稳定的相关性研究 程宇琦,王新*(9)
滑雪旅游资源开发:禀赋指标、模式与优化路径研究 孙大海,韩平*(14)

科技助力 竞技体育

- 国家女子高尔夫球队选手全挥杆技术生物力学分析
毕志远,王泽峰*,何文捷,王新娜,张国杰(20)
运动损伤预防训练对短跑运动员下肢生物力学和共激活特征的影响
李萍,朱学强*,李秀红,童理刚(30)
离心超负荷飞轮抗阻训练综述
翁盈盈,魏宏文*(38)

体育科技 应用基础

- 间歇低氧与间歇运动对心梗大鼠心肌HIF-1 α 、miR-126表达及血管新生影响的
对比研究 宋伟,田振军*(45)
有氧运动调节副交感神经及其受体改善心梗大鼠心脏功能机制探讨
王友华*,马美,陈伟,滑艺杰,田振军(52)
相同g值强度时不同振幅与频率模式对下肢神经肌肉表现的影响
张帆*,王竹影,蒋琴华,林榕,吴志建,宋彦李青(59)
肌联蛋白titin介导抗阻和有氧运动对糖尿病性心肌舒张功能障碍的不同影响
李顺昌,高德润,Ismail Laher,苏全生*(67)
“非指南理想运动”与红肉摄入过多对高血压和2型糖尿病的交互作用研究
韩明霞*,汪为聪,孟莉莉,王立利(74)

体育哲学 社会科学

- 武术传播研究的“十三五”进展及“十四五”走向 刘韬光,李守培*(79)
区域体育公共服务与经济协调发展评价研究 何国民*,沈克印(88)
公共体育场馆委托管理“内卷化”倾向及其生成逻辑
——基于A市W场馆委托管理的经验分析 姬庆,陈元欣*(96)
社交媒体时代赞助商如何使用微博讲述多线条赞助故事
——基于2018年国际足联世界杯赞助商的研究 朴勇慧*(103)

欢迎订阅2022年《中国体育科技》(封三)



CHINA SPORT SCIENCE AND TECHNOLOGY

Vol. 57, No. 11, November, 2021

CN11-2284/G8 * 1959 * b * 16 * 112* zh* P* ¥ 25. 00 * 1800 * 15 * 2021-11

CONTENTS

ZHANG Masen, FENG Ru, LIU Hui*

Influence of Pacing Pattern on Performance of Chinese Speed Skaters in 1 500 m Race 3

CHENG Yuqi, WANG Xin*

Correlation Study of the Muscle Morphology of Lower limbs and the Balance Stability of Freestyle Skiing Aerials Athletes 9

SUN Dahai, HAN Ping*

Development of Skiing Tourism Resources: Research on Endowment Index, Model and Optimization Paths 14

BI Zhiyuan, WANG Zefeng*, HE Wenjie, WANG Xinnna, ZHANG Guojie

Biomechanics Analysis of the Full Swing Technique of the National Female Golf Team Players 20

LI Ping, ZHU Xueqiang*, LI Xiuhong, TONG Ligang

Effects of Sports Injury Prevention Training on Biomechanics and Co-activation
Characteristics of Sprinters' Lower Limbs 30

WENG Yingying, WEI Hongwen*

Summary of Eccentric Overload Flywheel Resistance Training 38

SONG Wei, TIAN Zhenjun*

Comparative Effects of Interval Hypoxia and Exercise on the Expression of Myocardial HIF-1 α 、miR-126 and Angiogenesis in Rats with Myocardial Infarction 45

WANG Youhua*, MA Mei, CHEN Wei, HUA Yijie, TIAN Zhenjun

The Mechanism of Aerobic Exercise Regulates Parasympathetic Nerve and Its Receptor to Improve Cardiac Function in Myocardial Infarction Rats 52

ZHANG Fan*, WANG Zhuying, JIANG Qinhua, LIN Rong, WU Zhiyan,

SONG Yanliqing

Effects of Different Amplitude and Frequency Vibration Modes on the Performance of Lower Limb Neuromuscular with the Same g Value 59

LI Shunchang, GAO Derun, Ismail Laher, SU Quansheng*

The Effect of Myocardial Titin on Diastolic Function in Diabetic Rats When Performing Aerobic and Resistance Training 67

HAN Mingxia*, WANG Weicong, MENG Lili, WANG Lili

The Interaction among "Non-Guide Ideal Exercise" and Excessive Red Meat Intake on Hypertension and Type 2 Diabetes 74

LIU Taoguang, LI Shoupei*

The Research of Wushu Communication in the 13th Five-Year Plan and Its Trend in the 14th Five-Year Plan 79

HE Guomin*, SHEN Keyin

Evaluation of Coordinated Development of Regional Sports Public Service and Economy 88

JI Qing, CHEN Yuanxin*

The Tendency of "Involution" of the Entrusted Management on Public Stadiums and Its Generation Logic —Based on Experience Analysis of Entrusted Management of W Venue in the City A 96

PIAO Yonghui*

How Do Sponsors Use Weibo to Tell Multiple Lines Sponsorship Stories in the Social Media Age—A Study Based on Sponsors of the 2018 FIFA World Cup 103