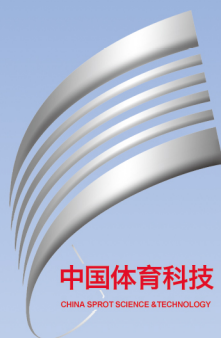


- 中文体育类核心期刊
- 中国人文社会科学期刊  
AMI综合评价 (A刊) 核心期刊
- CSSCI来源期刊

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12月 第57卷 第

12 期

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

## 目次

### 科技助力 北京冬奥

跳台滑雪技术生物力学智能分析与反馈系统的研发与应用

伍 颢,曲 毅,刘思平,李 漩,唐伟棣,曹峰锐,刘 宇\*(3)

世界优秀冬季两项运动员射击技术特征、影响因素与训练策略

房英杰,王子朴\*,杜承润(9)

不同专项的青年男子速度滑冰运动员有氧、无氧能力特征研究

李淑媛,杨 明\*,史继祖,王一峰,时莹清,付丽娟(18)

### 科技助力 竞技体育

ACTN3 基因 rs1815739 多态性与中国青少年 100 m 短跑运动员运动能力的关联分析

陈文佳\*,章碧玉,李燕春,梁泽敬(23)

关节等速肌力对摔跤滚桥技术峰值扭矩的多元回归分析

曹智超,吴 琰\*,章凌凌(29)

F-MARC IPPs 对足球运动损伤风险预防效应的元分析

张永鹏,吉 斌\*,杨佳英,陶 飞,贾智杰,魏琼园(35)

高水平足球裁判员执裁效能的影响因素模型构建

董 青\*,毕剑秋,洪 艳(44)

### 科技助力 健康中国

社会排斥、控制信念与青少年余暇体育锻炼:交叉滞后分析

董宝林,毛丽娟\*(53)

探索高强度运动对静坐少动生活方式大学生代谢应答的影响

苏利强,陈海春\*,温岱宗,李加鹏,袁 恩,周立分,李国庆(63)

手机成瘾对大学生在校体力活动的影响:人际关系困扰的调节

陈 毅\*,张 欢(75)

不同运动形式对原发性高血压的影响研究进展

刘泉清,刘 敏\*(82)

抗阻训练改善骨骼肌衰老的关键基因与信号通路鉴定

夏 志,赵 艳,丁孝民,尚画雨,苏全生,王前进\*(92)

幼儿身体成分纵向发育特征

王宋扬,罗冬梅,黄 逸,赵 萌,屈 莎\*(101)

《中国体育科技》杂志 2021 年(第 57 卷)分类总目(109)

欢迎订阅 2022 年《中国体育科技》(8)



## CONTENTS

WU Xie, QU Yi, LIU Siping, LI Xuan, TANG Weidi, CAO Fengrui, LIU Yu <sup>*</sup> An Intelligent Motion Capture and Feedback System Developed for Ski Jumping Technique Analysis	3
FANG Yingjie, WANG Zipu <sup>*</sup> , DU Chengrun Characteristics, Influencing Factors and Training Strategies of Shooting Techniques of World Elite Biathlon Athletes	9
LI Shuyuan, YANG Ming <sup>*</sup> , SHI Jizhu, WANG Yifeng, SHI Yingqing, FU Lijuan Research on the Characteristics of Aerobic and Anaerobic Metabolism of Elite Male Speed Skaters in Different Events	18
CHEN Wenjia <sup>*</sup> , ZHANG Biyu, LI Yanchun, LIANG Zejing Relationship between rs1815739 Polymorphism of ACTN3 Gene and Athletic Ability in Chinese Youth 100 m Sprinters	23
CAO Zhichao, WU Ying <sup>*</sup> , ZHANG Lingling Multiple Regression Analysis of Relative Joint Isokinetic Muscle Strength on the Peak Torque of Wrestling Side-Rolling Technique	29
ZHANG Yongpeng, JI Bin <sup>*</sup> , YANG Jiaying, TAO Fei, JIA Zhijie, WEI Qiongyuan F-MARC IPPs' s Prevention Effect on Football Injury Risk: A Meta-Analysis	35
DONG Qing <sup>*</sup> , BI Jianqiu, HONG Yan Establishment of Influencing Factors Model of the Performance of Elite Football Referees	44
DONG Baolin, MAO Lijuan <sup>*</sup> Social Exclusion, Control Beliefs and Adolescents' Leisure Physical Exercise: A Cross-Lagged Analysis	53
SU Liqiang, CHEN Haichun <sup>*</sup> , WEN Daizong, LI Jiapeng, YUAN En, ZHOU Lifen, LI Guoqing Effect of High Intensity Exercise on Metabolic Response Sedentary Lifestyle in College Students	63
CHEN Chen <sup>*</sup> , ZHANG Huan Influence of Mobile Phone Addiction on Undergraduates' Physical Activity in the College: Moderating of Interpersonal Relation Disturbance	75
LIU Quanqing, LIU Min <sup>*</sup> Research Progress on the Effects of Different Forms of Exercise on Essential Hypertension	82
XIA Zhi, ZHAO Yan, DING Xiaomin, SHANG Huayu, SU Quansheng, WANG Qianjin <sup>*</sup> Identification of Crucial Differentially Expressed Genes and Signaling Pathways in Ameliorating Skeletal Muscle Aging by Resistance Training	92
WANG Songyang, LUO Dongmei, HUANG Yi, ZHAO Meng, QU Sha <sup>*</sup> Body Composition Longitudinal Development Characteristics of Preschoolers	101