

Table of Contents

Study on synergistic mechanism of traditional Chinese medicine in comprehensive treatment of tumor	1
<i>Xiongwen Wang, Chengyang Yu</i>	
Development and Solution of a Multi-Stage Inspection Decision Model Based on Genetic Algorithms	7
<i>Keyi An, Yuxi Pu, Jiayu Zhang, Jiixin Li</i>	
A Multi-objective Planning Model for Planting Programmes Based on Monte Carlo Simulation and Complementary Substitution Constraints	14
<i>Baoquan Cui, Sen Fan, Gaofeng Han</i>	
Statistical model-based optimisation problem for production decision-making	24
<i>Yulin Li</i>	
Optimisation of crop planting strategies based on simulated annealing algorithm	31
<i>Qiang Wang, Jiaheng Huang, Yushan Li, Zihan Yan, Yuxuan Liu, Yumeng Zhang, Siyuan Cao</i>	
Research on Illegal Wildlife Trade Reduction Strategies Based on Principal Component Analysis and Multiple Linear Regression Model	38
<i>Muxi Xu, HaoYang, Junhao Jin, Siyu Zhang, Jiixin Yan</i>	
Data-Driven Exploration and Analysis of Natural Gas Hydrate Resource Distribution	45
<i>Jingyao Zhang</i>	
A study of illegal wildlife trade based on the TOPSIS method	53
<i>Haotian Zhou, Huihan Xu</i>	
Application of CRISPR-Cas9 Technology in the Treatment of Metabolic Diseases	59
<i>Ziyi Li</i>	
Design Strategy Research on AI-Based Lower Limb Mobility Assistive Device with Rehabilitation Features	65
<i>Jiahao Yang</i>	
A Survey of Dynamic Voltage and Frequency Scaling for High-Performance Low-Power Systems	73
<i>Shi Liu</i>	
Screening and Validation of Early Diagnostic Biomarkers for Cancer Based on Proteomics	82
<i>Jieyu Chen</i>	

Optimization simulation of water-cooling for heating coils	88
<i>Shawn Wei Wen Yao</i>	
Application of Gene Editing Techniques in Disease Model Construction and Drug Screening	96
<i>Yifan Zhang</i>	
Bayesian analysis of factors influencing the immunogenicity of the Pfizer vaccine	103
<i>Chongrong Tan</i>	
A review of the rationale and development of the application of immunotherapy in chronic myeloid leukemia	110
<i>Yicheng Xiong</i>	
Influence Mechanism of Traditional Chinese Medicine Preparation Methods on Clinical Efficacy	117
<i>Xuehua Li</i>	
Infant Skin Care Practice and Prevention of Common Skin Problems	122
<i>Lan Lan</i>	
Analysis of prognostic factors and their correlation with nutritional status in patients with single-center CAPD-associated peritonitis	127
<i>Ly Ping, Wu Zhiwei, Yuan Ying, Zhu Qiang, Xie Jiayong</i>	
Effect of Qilong Yishen Recipe on Renal Interstitial Fibrosis in Patients with Diabetes Nephropathy	133
<i>Xiaoli Zhai, Haifang Zhang, Zeliang Dai</i>	
The Strategy and Effect Analysis of Radiotherapy for Tubal Obstructive Infertility with Multiple Parts	137
<i>Bin He, Yamin Li, Jihong Hu, Wei Zhao</i>	
Multivariate Logistic regression analysis and prediction model construction of associated peritonitis in maintenance PD patients	142
<i>Wu Zhiwei, Lyu Ping, Yuan Ying, Zhu Qiang, Xie Jiayong</i>	
Molecular biology research on the aging mechanism of white tea and application of technological innovation	150
<i>Zhiguo Shan, Chunhua Zhang, Guoxin Li</i>	
Clinical Study on the Reversal of Prediabetes through Metformin and Lifestyle Intervention	157
<i>Yuheng Zhang</i>	
Chinese medicine's socio-cultural historical basis and its application in modern society	162
<i>Xinyu Song</i>	

Research Progress and Application Prospects of Bioactive Peptides in Functional Food Development	170
<i>Jing Lei</i>	
Intelligent Decision Support System for Pain Management in Operating Room Nursing	177
<i>Xiaolu Liu</i>	
Bibliometric analysis of the research landscape of pre-established health care programs based on the PubMed database	182
<i>Hui Tan, Chenfei Qu, Chao Liu, Yuanmeng Li, Yanan Zhou</i>	
Multivariate Logistic Regression Analysis of Mortality Risk in Patients with Chronic Hepatitis B during Acute Exacerbation	189
<i>Xiaoling Liu</i>	
Research Progress on Chemotherapy-Based Multi-mode Combined Antitumor Janus Nanoplatfoms	194
<i>Meixuan Liu</i>	
Research progress on the inhibitory effect of bioactive components of cactus on diabetes	199
<i>Wenshuo Tang, Lanlan Yang, Yu Xin, Jing Bai, Yutong Jiang, Bingbing Fan, Xinying Zhao, Lei Shi</i>	
Explainable Application of Artificial Intelligence in Medical Imaging Diagnosis	204
<i>Guan Meng</i>	

