

ISSN 1674-0475

CN11-5604/O6



QK2246838

影像科学与光化学

IMAGING SCIENCE AND PHOTOCHEMISTRY

主办：中国科学院理化技术研究所

中国感光学会

出版：科学出版社

2022

Vol.40 No.6

影像科学与光化学

(Yingxiang Kexue yu Guanghuaxue)

第 40 卷 第 6 期

2022 年 11 月

目 次

MSCT 结合 MRI 对成人腕关节扭伤的影像分析	张宏光, 秦绪沛, 王康妮(1323)
多模态 MRI 参数联合甲状腺激素评估脑小血管病认知损害的研究	王欣丽, 甄娜, 杨海龙, 朱建国(1328)
TVS 4D-HyCoSy 在输卵管通畅性及造影剂逆流判断中的应用	周琼, 龙湘党, 刘雪飞, 王琳玲, 王小莉(1334)
能谱 CT 用于肝细胞肝癌诊断的灵敏性及准确性分析	王学玲, 袁青玲, 杨娟(1339)
AMI 患者 PCI 术后碎裂 QRS 波、超声心动图及 2D-STI 参数的变化	魏苇, 兰菲菲, 邱玉宇, 覃宏慧(1343)
超声及超声造影引导下粗针活检在周围型肺部病变中的应用	朱鹏飞, 何英(1349)
CBCT 评价过渡性义齿在全口义齿重新修复中的应用效果	刘子略, 王智, 宋文尚, 李苏娜, 蔡世新(1354)
孕早期 UVC 血流频谱参数联合孕中期四维彩超诊断心脏发育畸形的研究	刘海宁, 赵国栋, 齐海英(1359)
CCTA 三维形态学术前评估在左心耳封堵导管消融一站式治疗中的应用	何莹, 高律萍, 曹成瑛, 朱友义, 罗焕(1364)
4D-HyCoSy 和 HSG 检查对输卵管性不孕的诊断分析	王慕喆, 李向红, 邢秀月, 王丽娜, 周叶, 李晓丽(1370)
超声造影联合剪切波弹性成像评估乳腺癌病灶可切除性的研究	官文亮, 周建, 朱道伟(1375)
MRI 联合血清 AFP 在诊断 CSP 及胎盘植入中的应用研究	焦悦, 姚水平, 郭丽, 国春蕾(1381)
MSCT 评估胸腰椎骨折术后愈合及功能康复的研究	张德龙, 李玉美, 周建华(1386)
能谱 CT 诊断胃癌淋巴结转移的价值及影响因素分析	李浩然, 张鹏, 陈冲(1390)
基于 SWI 的 CMBs、ACVS 特征与急性脑梗死患者预后的关系	陈翩翩, 王耀光, 申春云, 蔡林江, 陈少群, 陈洪恩, 高俊杰(1396)
超声造影在检测冠心病颈动脉斑块内新生血管中的作用及与血清 Hcy 的关系	孙翔, 谭杰(1402)
MRI 参数联合 β -CTX、PAI-1 对股骨头坏死及分期的诊断分析	丁娟, 李宇宏, 赵宏春, 郭毅, 柳雨曦, 曹文彬(1407)
彩色多普勒超声参数与 BRVO 合并 ME 患者病情程度、疗效的关系	孙红双, 尹丹, 刘颖, 孙红雯, 孙霞, 李跃峰(1412)
DCE-MRI 联合超声在乳腺癌临床诊断中的应用与分析	陈雨娜, 吴云虎, 周玫娟, 董建党(1417)
超声引导下甲状腺细针穿刺活检对 PTMC 的诊断价值	王菁, 刘莹, 崔权哲, 周洋(1423)
MSCT 平扫及增强扫描在判断肺部结节性质中的比较	孙境熙, 师毅冰, 汪秀玲(1428)
3D-ASL 评估慢性期脑梗死脑血流量及与认知功能的相关性	孟庆宁, 史纲, 王润强(1433)
CCTA 冠周 FAI 联合上胸部补充扫描与图像大视野重建在冠心病筛查中的应用	贾蕾, 赵文兴, 王鑫, 王生元, 杨灵君(1438)

期刊基本参数: CN 11-5604/O6 * 1983 * b * A4 * 96 * zh+en * P * ¥40.00 * 2000 * 59 * 2022-11

双源 CT 颅脑灌注成像联合 FGF21 诊断脑梗死严重程度中的价值分析	邓 靖, 张鹤龄, 王源江, 谭春苗(1444)
CEUS 联合常规 US 在厚壁型胆囊病变、胆囊息肉样病变诊断中的应用	向淑芳, 张 梅, 王守能, 刘 雯, 刘 灿(1449)
超声引导下 ESP 与 TAP 对结直肠癌根治术患者治疗效果的比较	兰 浩, 詹 锐, 汪 越, 张晓琴(1455)
超声弹性成像技术联合 Mts1 蛋白诊断甲状腺癌的价值分析	高 洁, 彭月亭, 赵珊珊, 罗 篪, 高卫元(1460)
冬季项目运动员下肢运动损伤影像诊断类型及对重返赛场比率的影响	蒋 梁, 苏平昌, 贺 刚(1465)
4D-CTA 在 ASD、VSD 介入术前检查评估中的价值分析	高海超, 尤 利, 李舒承, 孔凡强, 沈 婧(1471)
床旁心脏超声联合 Pcv-aCO ₂ 对于脓毒性休克容量反应性的预测价值	张怀伟, 邵 敏, 单南冰, 李彬彬(1476)
HR-HPV 基因联合 TV-CDFI 在宫颈癌筛查及诊断中的应用	程明艳, 姜 浩, 孙亚男, 王艳春, 杨 涛, 梅艳芳, 杜建文, 王晶华(1481)
瘢痕子宫再次剖宫产后盆底功能变化的观察研究	闫金玲, 刘永莉, 焦瑞芳, 赵雨芹(1486)
血管腔内药物球囊治疗下肢 ASO 的效果及对患肢超声参数的影响	杨彦林, 吴国良, 田少勇, 王春燕, 赵鹏飞(1491)
FAI 合并孟唇损伤手术前后 MSCT 解剖参数的变化	陈 洪, 张 伟, 彭 超, 尚瑞松(1497)
CT 和 MRI 在颅脑手术后患者颅内感染诊断中的价值及危险因素分析	贾哲勇, 李旭朝, 唐艳丽, 陈 烈, 肖 为, 梅 涛(1502)
颅内出血新生儿的 aEEG、MRI 和血清 MMP、TIMP 的变化及临床意义	闫永奎, 李 文, 罗 斌, 唐 静, 任新悦, 付田丽, 赵 静, 殷美乐, 陈丽祺(1507)
2D-STI 联合动态心电图对急性心肌梗死患者预后结局的评估	王丽娟, 李伦伦, 杨琳琳(1513)
MSCT 定量技术在体操运动员桡骨远端骨折康复效果中的评估价值及与骨代谢的相关性	部 研, 陈晓磊(1519)
高信号血管征与大脑中动脉狭窄程度和脑梗死面积的关系研究	杨远芳, 滕跃华, 邵 帅(1524)
MRI 在 AD 患者诊断及病情程度评估中的应用	李玺琳, 张 伟, 章邱东(1529)
不同入路 TLIF 对峡部裂型腰椎滑脱症疗效及矢状位影像学参数的影响	左炳光, 王智培(1534)
能谱 CT 联合长链非编码 RNA UCA1 在诊断胃腺癌淋巴结转移中的应用	张 健, 任晓燕(1539)
间苯三酚联合盐酸利托君对前置胎盘患者胎盘血流指标及血清 Eph A5、SFlt-1 的影响	李 婧, 杨 红(1545)
阿奇霉素联合甲泼尼龙治疗小儿肺炎支原体肺炎的效果及胸部 CT 征象变化	赵梦娇, 王 玺(1550)
MRI 评估运动致胫骨平台骨折形态的影像学特点及与半月板撕裂关联性	陈 娟, 黄春香(1555)
SWV 平均值及 MGMT 与乳腺浸润性导管癌预后的关系	刘志为, 刘 庆, 胡茂飞, 闻 巍(1560)
产前超声对胎儿侧脑室增宽的判定及与新生儿早期神经发育的关系	吴俊莉, 何志全, 王开碧, 熊荣勤(1565)
¹⁸ F-FDG PET/CT 代谢参数联合血清 FOXM1 在诊断结直肠癌淋巴结转移中的应用	王 萍, 谢丽璇(1570)
牙髓血运重建术和氢氧化钙根管封药方法治疗年轻恒牙牙髓坏死的效果	李 杨, 李 虎, 赵梦琨, 吴家媛(1576)
MRI 影像学在游泳运动员腰椎间盘突出病情评估与疗效评价中的应用	杜会玲, 刘长坯(1581)
CT 联合 HFUS 对小儿肠套叠诊断及复位的评估研究	郭建康, 柏艳红, 梁 优, 刘雅娜, 许 华(1586)
CT 与 MRI 在诊断踝关节运动骨折分型中的应用	郭丁铭, 温凯元(1591)
DSCT 联合 miR-10b-3p 在脑卒中颈动脉狭窄诊断中的应用	司延栋, 陈昆涛, 刘 亮, 彭兴慧(1596)
MR T2 mapping 定量参数在肩袖损伤患者中的变化及与 SSV、DASH 的关系	李铁军, 魏 超, 唐犁春, 姜喜玲(1602)
DWI 联合 FLAIR-HVS 对 ACI 缺血半暗带存活性及神经功能缺损程度的研究	方 雷, 孙慧芹, 李洪凤(1607)
MRI 评估脊柱外伤后脊髓功能损伤的临床价值研究	冯世波, 王 蔚, 张 力, 郑 斌(1612)
鼻咽部 CT 对儿童腺样体肥大的诊断及与 sIL-2R 的关系	王宏菁, 叶煜晟, 江文婷(1617)
弥散加权成像和 TRIM44 在诊断子宫内膜癌及病理分期中的应用	郑小菊, 单正宜, 杨贝贝(1621)
基于 CT 参数的列线图预测运动员桡骨远端骨折风险	李铁心, 刘长坯(1628)

IMAGING SCIENCE AND PHOTOCHEMISTRY

Vol. 40 No. 6

Nov. , 2022

CONTENTS

- Imaging Analysis of Wrist Sprain in Adults with MSCT and MRI ZHANG Hongguang, QIN Xupei, WANG Kangni(1323)
- Multimodal MRI Parameters Combined with Thyroid Hormones to Assess Cognitive Impairment in Cerebral Small Vessel Disease WANG Xinli, ZHEN Na, YANG Hailong, ZHU Jianguo(1328)
- Application of TVS 4D-HyCoSy in the Judgment of Tubal Patency and Contrast Medium Reflux ZHOU Qiong, LONG Xiangdang, LIU Xuefei, WANG Linling, WANG Xiaoli(1334)
- Sensitivity and Accuracy Analysis of Energy Spectrum CT for the Diagnosis of Hepatocellular Carcinoma WANG Xueling, YUAN Qingling, YANG Juan(1339)
- Changes of Fragmented QRS Wave, Echocardiography and 2D-STI Parameters in Patients with AMI after PCI WEI Wei, LAN Feifei, QIU Yuyu, QIN Honghui(1343)
- The Role of Contrast-enhanced Ultrasound in Puncture Biopsy of Peri-pulmonary Lesions ZHU Pengfei, HE Ying(1349)
- CBCT Evaluation of the Application Effect of Transitional Dentures in the Restoration of Complete Dentures LIU Zilue, WANG Zhi, SONG Wenshang, LI Suna, CAI Shixin(1354)
- Study of UVC Blood Flow Spectrum Parameters in the First Trimester Combined with Four-dimensional Color Doppler Ultrasound in the Second Trimester in the Diagnosis of Cardiac Developmental Malformations LIU Haining, ZHAO Guodong, QI Haiying(1359)
- Application of CCTA Three-dimensional Morphological Pre Academic Evaluation in One-stop Catheter Ablation for Left Atrial Appendage Occlusion HE Ying, GAO Luping, CAO Chengying, ZHU Youyi, LUO Huan(1364)
- Diagnostic Analysis of 4D-HyCoSy and HSG Examination in Tubal Infertility WANG Muzhe, LI Xianghong, XING Xiuyue, WANG Lina, ZHOU Ye, LI Xiaoli(1370)
- Evaluation of Resectability of Breast Cancer Lesions by Contrast-enhanced Ultrasound Combined with Shear Wave Elastography GONG Wenliang, ZHOU Jian, ZHU Daorwei(1375)
- Application of MRI Combined with Serum AFP in the Diagnosis of CSP and Placenta Accrete JIAO Yue, YAO Shuiping, GUO Li, GUO Chunlei(1381)
- The Study of MSCT in Evaluating Postoperative Healing and Functional Rehabilitation of Thoracolumbar Fractures ZHANG Delong, LI Yumei, ZHOU Jianhua(1386)
- Diagnostic Value of Spectral CT in Lymph Node Metastasis in Gastric Cancer and Analysis of Influencing Factors LI Haoran, ZHANG Peng, CHEN Chong(1390)
- The Relationship between the Characteristics of CMBs and ACVS Based on SWI and the Prognosis of Patients with Acute Cerebral Infarction CHEN Pianpian, WANG Yaoguang, SHEN Chunyun, CAI Linjiang, CHEN Shaoqun, CHEN Hongen, GAO Junjie(1396)
- The Role of Contrast-enhanced Ultrasound in the Detection of Carotid Intraplaque Neovascularization in Coronary Heart Disease and Its Relationship with the Expression of Serum Hcy SUN Xiang, TAN Jie(1402)
- Analysis of MRI Parameters Combined with β -CTX and PAI-1 in the Diagnosis and Staging of Femoral Head Necrosis DING Juan, LI Yuhong, ZHAO Hongchun, GUO Yi, LIU Yuxi, CAO Wenbin(1407)
- The Relationship between Color Doppler Ultrasound Parameters and Disease Severity and Curative Effect in Patients with BRVO Combined with ME SUN Hongshuang, YIN Dan, LIU Ying, SUN Hongwen, SUN Xia, LI Yuefeng(1412)
- Application and Analysis of DCE-MRI Combined with Ultrasound in the Clinical Diagnosis of Breast Cancer CHEN Yuna, WU Yunhu, ZHOU Meijuan, DONG Jiandang(1417)
- The Diagnostic Value of Ultrasound-guided Thyroid Fine-needle Aspiration Biopsy for PTMC WANG Jing, LIU Ying, CUI Quanzhe, ZHOU Yang(1423)
- Comparison of MSCT Plain Scan and Enhanced Scan in Determining the Properties of Pulmonary Nodules SUN Jingxi, SHI Yibing, WANG Xiuling(1428)
- Evaluation of Cerebral Blood Flow in Chronic Cerebral Infarction by 3D-ASL and Its Correlation with Cognitive Function MENG Qingning, SHI Gang, WANG Runqiang(1433)
- Application of CCTA Coronal FFA Combined with Upper Chest Supplementary Scanning and Image Wide Field Reconstruction in Coronary Heart Disease Screening JIA Lei, ZHAO Wenxing, WANG Xin, WANG Shengyuan, YANG Lingjun(1438)
- Value of Dual-energy CT Cerebral Perfusion Imaging Combined with FGF21 in the Diagnosis of the Severity of Cerebral Infarction DENG Jing, ZHANG Heling, WANG Yuanjiang, TAN Chunmiao(1444)
- Application of CEUS Combined with Conventional US in the Diagnosis of Thick-walled Gallbladder Lesions and Gallbladder Polypoid Lesions XIANG Shufang, ZHANG Mei, WANG Shoungeng, LIU Wen, LIU Can(1449)

Comparison of Ultrasound-guided ESP and TAP in the Treatment Effect of Colorectal Cancer Patients Undergoing Radical Resection	LAN Hao, ZHAN Rui, WANG Yue, ZHANG Xiaoqin(1455)
The Value of Ultrasound Elastography Combined with Mts1 Protein in the Diagnosis of Thyroid Cancer	GAO Jie, PENG Yuexiang, ZHAO Shanshan, LUO Chi, GAO Weiyuan(1460)
Imaging Diagnosis Types of Lower Extremity Sports Injuries in Winter Sports Athletes and Their Influence on Return to Competition Rate	JIANG Liang, SU Pingchang, HE Gang(1465)
Analysis of the Value of 4D-CTA in the Evaluation of ASD and VSD before Interventional Surgery	GAO Haichao, YOU Li, LI Shucheng, KONG Fanqiang, SHEN Jing(1471)
Value of Bedside Echocardiography Combined with Pcv-aCO ₂ in Predicting Volume Reactivity of Septic Shock	ZHANG Huaiwei, SHAO Min, SHAN Nanbing, LI Binbin(1476)
Application of HR-HPV Gene Combined with TV-CDFI in Cervical Cancer Screening and Diagnosis	CHENG Mingyan, JIANG Hao, SUN Yanan, WANG Yanchun, YANG Tao, MEI Yanfang, DU Jiarwen, WANG Jinghua(1481)
Observation on the Changes of Pelvic Floor Function after Repeat Cesarean Section with Scarred Uterus	YAN Jinling, LIU Yongli, JIAO Rui Fang, ZHAO Liqin(1486)
The Effect of Intravascular Drug Balloon in the Treatment of Lower Extremity ASO and Its Influence on the Ultrasound Parameters of the Affected Extremity	YANG Yanlin, WU Guoliang, TIAN Shaoyong, WANG Chunyan, ZHAO Pengfei(1491)
Changes of MSCT Anatomical Parameters before and after FAI Combined Labral Injury Surgery	CHEN Hong, ZHANG Wei, PENG Chao, SHANG Ruisong(1497)
Analysis of the Value of CT and MRI in Diagnosis of Intracranial Infection in Patients	JIA Zheyong, LI Xuzhao, TANG Yanli, CHEN Lie, XIAO Wei, MEI Tao(1502)
Changes and Clinical Significance of aEEG, MRI, Serum MMP and TIMP in Neonates with Intracranial Hemorrhage	YAN Yonglei, LI Wen, LUO Bin, TANG Jing, REN Xinyue, FU Tianli, ZHAO Jing, YIN Meile, CHEN Liqi(1507)
Evaluation of Prognostic Outcomes in Patients with Acute Myocardial Infarction by 2D-STI Combined with Dynamic Electrocardiogram	WANG Lijuan, LI Lunlun, YANG Linlin(1513)
The Evaluation Value of MSCT Quantitative Technique in the Rehabilitation of Distal Radius Fractures in Gymnasts and Its Correlation with Bone Metabolism	GAO Yan, CHEN Xiaolei(1519)
Study on the Relationship between Hyperintense Vessel Sign and the Degree of Middle Cerebral Artery Stenosis and Cerebral Infarction Area	YANG Yuanfang, TENG Yuehua, SHAO Shuai(1524)
Application of MRI in the Diagnosis and Severity Evaluation of AD Patients	LI Xilin, ZHANG Wei, ZHANG Quidong(1529)
Effects of Different Approaches of Transforaminal Lumbar Interbody Fusion on Curative Effect and Sagittal Imaging Parameters of Isthmic Lumbar Spondylolisthesis	ZUO Bingguang, WANG Zhipei(1534)
Application of Spectral CT Combined with Long Non-coding RNA UCA1 in the Diagnosis of Lymph Node Metastasis of Gastric Adenocarcinoma	ZHANG Jian, REN Xiaoyan(1539)
Effects of Phloroglucinol Combined with Ritodrine Hydrochloride on Placental Blood Flow Indexes and Serum Eph A5, SFlt-1 in Patients with Placenta previa	LI Jing, YANG Hong(1545)
The Effect of Azithromycin Combined with Methylprednisolone in the Treatment of Children with <i>Mycoplasma pneumoniae</i> Pneumonia and the Changes of Chest CT Signs	ZHAO Mengjiao, WANG Xi(1550)
MRI Evaluation of the Morphological Characteristics of Exercise-induced Tibial Plateau Fracture and Its Correlation with Meniscus Tear	CHEN Juan, HUANG Chunxiang(1555)
The Relationship between Mean SWV and MGMT and Prognosis of Breast Invasive Ductal Carcinoma	LIU Zhiwei, LIU Qing, HU Maofei, WEN Wei(1560)
Determination of Fetal Lateral Ventricle Dilatation by Prenatal Ultrasound and Its Relationship with Early Neonatal Neurodevelopment	WU Junli, HE Zhiquan, WANG Kaibi, XIONG Rongqin(1565)
Application of ¹⁸ F-FDG PET/CT Metabolic Parameters Combined with Serum FOXM1 in the Diagnosis of Lymph Node Metastasis in Colorectal Cancer	WANF Ping, XIE Lixuan(1570)
Efficacy of Pulp Revascularization and Calcium Hydroxide Root Canal Sealing in the Treatment of Pulp Necrosis in Young Permanent Teeth	LI Yang, LI Hu, ZHAO Mengjun, WU Jiayuan(1576)
The Application of MRI Imaging in the Condition Evaluation and Curative Effect Evaluation of Lumbar Disc Herniation in Swimmers	DU Huiling, LIU Changpi(1581)
Evaluation of CT Combined with HFUS in the Diagnosis and Reduction of Intussusception in Children	GUO Jiankang, BAI Yanhong, LIANG You, LIU Yana, XU Hua(1586)
Application of CT and MRI in the Diagnosis of Ankle Sports Fracture Classification	GUO Dingming, WEN Kaiyuan(1591)
Application of Dual-source CT Combined with miR-10b-3p in the Diagnosis of Stroke Carotid Artery Stenosis	SI Yandong, CHEN Kuntao, LIU Liang, PENG Xinghui(1596)
Changes of MR T2 mapping Quantitative Parameters in Patients with Rotator Cuff Tear and Their Relationship with SSV and DASH	LI Tiejun, WEI Chao, TANG Lichun, JIANG Xiling(1602)
Study of DWI Combined with FLAIR-HVS on Ischemic Penumbra Viability and the Degree of Neurological Deficit in ACI	FANG Lei, SUN Huiqin, LI Hongfeng(1607)
The Clinical Value of MRI in Evaluating Spinal Cord Function Injury after Spinal Trauma	FENG Shibo, WANG Wei, ZHANG Li, ZHENG Bin(1612)
Diagnosis of Adenoid Hypertrophy in Children by Nasopharyngeal CT and Its Correlation with SIL-2R	WANG Hongjing, YE Yusheng, JIANG Wenting(1617)
Application of Diffusion-weighted Imaging and TRIM44 in the Diagnosis and Pathological Staging of Endometrial Cancer	ZHENG Xiaojun, SHAN Zhengyi, YANG Beibei(1621)
Nomogram Based on CT Parameters to Predict the Risk of Distalradius Fracture in Athletes	LI Tiexin, LIU Changpi(1628)

影像科学与光化学

IMAGING SCIENCE AND PHOTOCHEMISTRY

<http://www.yxkxyghx.org>

本刊刊登领域:影像科学与技术、生物与医学成像、数字成像及图像信息处理、光化学、光医学等。

“*Imaging Science and Photochemistry*” publishes the results and peer-reviewed articles in following scientific areas: imaging science and technology, biological and medical imaging, digital imaging and image information processing, photochemistry, and photomedicine, etc.

影像科学与光化学

(双月刊,1983年创刊)

第40卷 第6期 2022年11月

IMAGING SCIENCE AND PHOTOCHEMISTRY

(Bimonthly, Started in 1983)

Vol. 40 No. 6 Nov., 2022

主 管 中国科学院
主 办 中国科学院理化技术研究所
中国感光学会
主 编 王雪松
编 辑 《影像科学与光化学》编辑部

通讯地址:北京市海淀区中关村东路29号

中国科学院理化技术研究所

邮政编码:100190

电 话:010-82543683

电子信箱:xb@mail.ipc.ac.cn

出 版 科 学 出 版 社

地址:北京东黄城根北街16号

邮政编码:100717

印刷装订 北京科信印刷有限公司

总 发 行 科 学 出 版 社

国外总发行 中国国际图书贸易总公司

(北京399信箱)

邮政编码:100044

©版权所有 中国标准连续出版物号 ISSN 1674-0475
CN 11-5604/O6

Superintended by Chinese Academy of Sciences

Sponsored by Technical Institute of Physics and Chemistry,
CAS; Chinese Society for Imaging Science and Technology

Editor in Chief: WANG Xuesong

Edited by the Editorial Board of Imaging Science and Photo-
chemistry

Address: No. 29 Zhongguancun East Road, Haidian
District, Beijing 100190, P. R. China

E-mail: xb@mail.ipc.ac.cn

Published by Science Press

16 Donghuangchenggen North Street, Beijing 100717,
P. R. China

Printed by Beijing Kexin Printing Limited Company

Domestically distributed by Science Press

Internationally distributed by China International Book Trading
Corporation (P. O. Box 399, Beijing 100044, P. R. China)

ISSN 1674-0475

CN 11-5604/O6

CODEN: YKYGAW



国外发行代号: BM1146

国内邮发代号: 2-383

公开发行, 国内定价: 40.00元

广告发布登记: 京海市监广登字 20190002号

ISSN 1674-0475



9 771674 047226