

·中国科技核心期刊·

ISSN 1004-4140

CN 11-3017/P

CT 理论与应用研究

COMPUTERIZED TOMOGRAPHY
THEORY AND APPLICATIONS

2017

第 26 卷
Vol. 26

第 4 期
No. 4

ISSN 1004-4140



9 771004 414179



中国地震局地球物理研究所
同方威视技术股份有限公司

主办

CT 理论与应用研究

目 次 (2017 年 8 月 第 26 卷 第 4 期)

•理论与方法•

- 大地电磁局部畸变异常特征三维数值模拟研究 蔡军涛, 赵国泽, 徐锡伟 (391)
小鼠在体内耳微小结构的相位对比 Micro-CT 研究 尹红霞, 张鹏, 刘云福, 杨正汉, 李静, 赵鹏飞, 吕晗, 肖体乔, 鲜军舫, 王振常 (403)

•地球物理 CT•

- 南阳膨胀土在受荷的湿干循环过程中细观结构演化规律研究 朱国平, 陈正汉, 韦昌富, 吕海波, 王志兵, 梁维云 (411)
无井波阻抗反演在西沙水合物研究中的应用 徐云霞, 文鹏飞, 张如伟, 张宝金, 薛花 (425)

•工业 CT•

- 基于 Abel 变换的图像重建自适应方法 杜健鹏, 梁海霞, 魏素花 (435)
单晶高温合金 X 射线衍射斑点自动识别算法研究 张哲, 朱锦霞, 庄凯, 谢光, 秦秀波, 魏存峰 (447)

•医学 CT•

- 2D MRI 和 3D MRI 序列对直肠癌术前分期诊断的价值研究 谭晶文, 潘自来, 张欢, 石博文, 朱兰, 果霄源 (457)
周围型小肺癌动态增强 MRI 与 ¹⁸F FDG PET/CT 的相关性初探 冯峰, 夏淦林, 强福林, 施冬辉, 沈爱军, 傅爱燕, 李海明, 张明珠 (467)
慢性重型肝炎并发侵袭性肺部真菌感染的 CT 影像学特征探析 吴延春, 刘垚, 严志涵 (473)
CT 及 MRI 对 Grynfelt-Lesshaft's 痘的诊断价值 孙迎迎, 丁长青, 罗慧, 白麟鹏, 张玉娜, 丁爱兰, 王雪璐 (481)
气管主支气管原发平滑肌瘤的 MSCT 表现 刘戬, 祖德贵, 邓茂松, 杨英, 刘建新, 王旭, 吴戈, 尹晓明 (489)
CTA 评估颈动脉与冠状动脉粥样硬化斑块临床关联的回顾性研究 包丽薇, 王泽锋, 孙振婷, 孟令新, 赵磊 (497)
骨巨细胞瘤影像学特征及误诊分析 吴伟斌, 彭涛, 潘献伟, 孟家晓, 邹映文, 何俊 (505)
输卵管病变的 CT 诊断价值 代燕增, 张艳, 邱树芬 (511)
冠状动脉 CTA 在冠状动脉-肺动脉瘘中诊断价值的回顾性研究 董健, 杨磊, 颜媛, 温静, 张春燕, 陈孝柏, 温廷国, 王仁贵 (519)
MSCT 在原发性肠脂垂炎的临床诊断价值 徐官珍, 邹文远, 石磊, 刘玥, 曾蕾, 纪涛涛, 李晶晶, 林花 (525)

责任编辑：毛国敏 编辑：蒋知瑞

期刊基本参数：CN 11-3017/P*1992*b*16*142*zh+en*P* ¥30.00*1200*16*2017-8*n

万方数据

CT Theory and Applications (CTTA)

CONTENTS (Vol. 26 No. 4 Aug. , 2017)

•CT Theory•

- The Study of Local Distortion in Magnetotelluric Using Three-dimensional Modeling.....
.....CAI Jun-tao, ZHAO Guo-ze, XU Xi-wei (391)
Imaging Microstructures of Mouse Inner Ears in Situ by Phase Contrast Micro-CT.....
.....YIN Hong-xia, ZHANG Peng, LIU Yun-fu,
YANG Zheng-han, LI Jing, ZHAO Peng-fei, LV Han, XIAO Ti-qiao, XIAN Jun-fang, WANG Zhen-chang (403)

•Geotomography•

- Meso-structural Evolution of Expansive Soil in Nanyang during Wetting-drying Cycles under
Loading Condition.....
....ZHU Guo-ping, CHEN Zheng-han, WEI Chang-fu, LV Hai-bo, WANG Zhi-bing, LIANG Wei-yun (411)
The Application of No-well Impedance Inversion in Xisha Area Hydrate Research.....
.....XU Yun-xia, WEN Peng-fei, ZHANG Ru-wei, ZHANG Bao-jin, XUE Hua (425)

•Industrial CT•

- Abel Transformation Based Adaptive Regularization Approach for Image Reconstruction...
.....DU Jian-peng, LIANG Hai-xia, WEI Su-hua (435)
Study on Automatic Identification Algorithm for X-ray Diffraction Spots of Single Crystal
Superalloy...ZHANG Zhe, ZHU Jin-xia, ZHUANG Kai, XIE Guang, QIN Xiu-bo, WEI Cun-feng (447)

•Medical CT•

- The Value of 2D MRI and 3D MRI Sequences in Preoperative Staging of Rectal Cancer...
.....TAN Jing-wen, PAN Zi-lai, ZHANG Huan, SHI Bo-wen, ZHU Lan, GAO Xiao-yuan (457)
A Preliminary Study of Correlation between Dynamic Contrast Enhancement MRI and ¹⁸F-FDG PET/CT in Small Peripheral Lung Cancer.....
....FENG Feng, XIA Gan-lin, QIANG Fu-lin, SHI Dong-hui, SHEN Ai-jun, FU Ai-yan, LI Hai-ming, ZHANG Ming-zhu (467)
Exploration of CT Imaging Features of Chronic Severe Hepatitis Complicated with Invasive
Pulmonary Fungal Infection.....
....WU Yan-chun, LIU Yao, YAN Zhi-han (473)
Diagnostic Value of CT and MRI in Gruenfeld-Lesshaft's Hernia.....
....SUN Ying-ying, DING Chang-qing, LUO Hui, BAI Lin-peng, ZHANG Yu-na, DING Ai-lan, WANG Xue-lu (481)
MSCT Features of Central Airway Primary Leiomyoma
....LIU Jian, ZU De-gui, DENG Mao-song, YANG Ying, LIU Jian-xin, WANG Xu, WU Ge, YIN Xiao-ming (489)
Relationship of Atherosclerosis between Carotid Arteries and Coronary Arteries by CTA
Evaluation: A Retrospective Study.....
....BAO Li-wei, WANG Ze-feng, SUN Zhen-ting, MENG Ling-xin, ZHAO Lei (497)
Imaging Features and Misdiagnosis of Giant Cell Tumor of Bone.....
....WU Wei-bin, PENG Tao, PAN Xian-wei, MENG Jia-xiao, ZOU Ying-wen, HE Jun (505)
CT Diagnosis Value of Tubal Pathological Changes.....
....DAI Yan-zeng, ZHANG Yan, QIU Shu-fen (511)
Coronary Artery CT Angiography in Coronary-pulmonary Fistula: A Retrospective Study...
.....DONG Jian, YANG Lei, YAN Xuan, WEN Jing, ZHANG Chun-yan, CHEN Xiao-bai, WEN Ting-guo, WANG Ren-gui (519)
The Clinical Diagnostic Value of MSCT in Primary Epiploic Appendagitis.....
....XU Guan-zhen, ZOU Wen-yuan, SHI Lei, LIU Yue, ZENG Lei, JI Tao-tao, LI Jing-jing, LIN Hua (525)