TRPMS gets an impact factor

IEEE TRPMS was just awarded a first official impact factor of 4.4, largely above the current impact factor of most competing medical physics and engineering journals. The journal also continues its advancement in the JCR with a Q1 JCI ranking of 16/202 (from 41/200 in 2021) in the category of “Radiology, Nuclear Medicine & Medical Imaging” category. Thank you to all our editors, reviewers and authors for your support in making TRPMS a great success.

Features in This Issue

Current and Emerging Trends in Medical Image Segmentation With Deep Learning
by Pierre-Henri Conze, Gustavo Andrade-Miranda, Vivek Kumar Singh, Vincent Jaouen, and Dimitris Visvikis
Read More

The Correlation Between Scatter Detector Performance and Spatial Resolution in a Ring-Shaped Compton Imaging System
by Sodai Takyu, Hideaki Tashima, Fumihiko Nishikido, Kei Kamada, Akira Yoshikawa, and Taiga Yamaya
Read More

Forecasting the Pharmacokinetics With Limited Early Frames in Dynamic Brain PET Imaging Using Neural Ordinary Differential Equation
by Jimin Hong, Matthias Brendel, Kjell Erlandsson, Hasan Sari, Jiaying Lu, Christoph Clement, Ngoc Vinh Bui, Maria Meindl, Sibylle I. Ziegler, Henryk Barthel, Osama Sabri, Hongyoon Choi, Raphael Sznitman, Axel Rominger, and Kuangyu Shi
Read More
Real-Time 4-D-Cone Beam CT Accurate Estimation Based on Single-Angle Projection via Dual-Attention Mechanism Residual Network

by Hanguang Xiao, Kai Chen. Tao You. Daidai Liu, Wei Zhang, Xufeng Xue, Li Long, and Jun Dang

Image Quality Improvement in Sparse-View X-Ray Phase-Contrast Trimodal CBCT With Multifrequency Fringe Modulation and Iterative Methods

by Siwei Tao, Ling Bai, Zonghan Tian, Yueshu Xu, Xiang Hao, Cuifang Kuang, and Xu Liu

IEEE Transactions on Radiation and Plasma Medical Sciences

VIEW CURRENT ISSUE

T-RPMS Home T-RPMS in IEEE Xplore Early Access Manuscript Submission