## IEEE TRANSACTIONS ON

# RADIATION AND PLASMA MEDICAL SCIENCES

May 2025

**VOLUME 9** 

**NUMBER 5** 

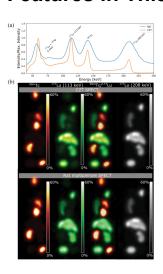
ITRPFI

(ISSN 2469-7311)

# TRPMS has currently three special issues open for submissions (details in the specific links below)

- Deployment of Large Models in Medical Imaging
- Generative AI in radiation based medical imaging
- Digital twins in medical imaging and therapy

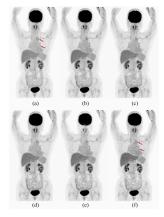
#### **Features in This Issue**



# Individual and Simultaneous Imaging of <sup>99</sup>mTc and <sup>177</sup>Lu With a Preclinical Broad Energy-Spectrum CZT-Based SPECT

by Pedro M. C. C. Encarnação, Pedro M. M. Correia, Baharak Mehrdel, Isabella Bredwell, João F. C. A. Veloso, and Javier Caravaca

**Read More** 



# Performance Evaluation of New PET/CT DigitMI 930

by Bo Zhang, Bingxuan Li, Lei Fang, Xiaoyun Zhou, Ang Li, and Xuan Zhang

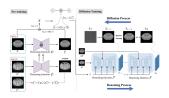
**Read More** 



#### Multi-Branch Generative Models for Multichannel Imaging With an Application to PET/CT Synergistic Reconstruction

by Noel Jeffrey Pinton, Alexandre Bousse, Catherine Cheze-Le-Rest, and Dimitris Visvikis

**Read More** 



### **Semi-Supervised MVCT Enhancement Using Diffusion Model Refined With KVCT Priors**

by Mengxun Zheng, Long Tang, Peiwen Liang, Shuang Jin, Xiaotong Xu, and Zhe Su



### **IEEE Transactions on Radiation and Plasma Medical Sciences**

**VIEW CURRENT ISSUE** 

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

