

IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES

February 2025

VOLUME 9

NUMBER 2

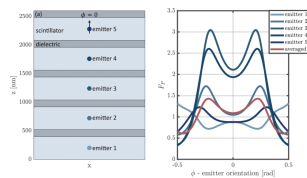
ITRPF1

(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](#)

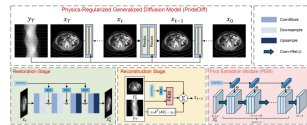
Features in This Issue



Toward a Second Generation of Metascintillators Using the Purcell Effect

by A. Shultzman, R. Schütz, Y. Kurman, N. Lahav, G. Dosovitskiy, and C. Roques-Carnes

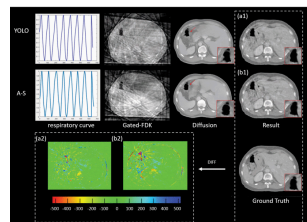
[Read More](#)



PrideDiff: Physics-Regularized Generalized Diffusion Model for CT Reconstruction

by Zexin Lu, Qi Gao, Tao Wang, Ziyuan Yang, Zhiwen Wang, and Hui Yu

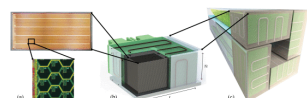
[Read More](#)



4-D Cone-Beam CT Reconstruction via Diffusion Model and Motion Compensation

by Xianghong Wang, Zhengwei Ou, Peng Jin, Jiayi Xie, Ze Teng, and Lei Xu

[Read More](#)



A Silicon-Pixel Paradigm for PET

by Aleix Boquet-Pujadas, Jihad Saidi, Mateus Vicente, Lorenzo Paolozzi, Jonathan Dong, and Pol Del Aguila Pla

[Read More](#)



IEEE Transactions on Radiation and Plasma Medical Sciences

[VIEW CURRENT ISSUE](#)

[T-RPMS Home](#) [T-RPMS in IEEE Xplore](#) [Early Access](#) [Manuscript Submission](#)



[Website](#) | [Privacy Policy](#) | [Contact](#) | [Unsubscribe](#)

© {{my.copyright year}} IEEE – All rights reserved.