



NUCLEAR ENERGY SCIENCE AND ENGINEERING

- 65 Numerical investigation of natural convection characteristics of a heat pipe-cooled passive residual heat removal system for molten salt reactors**
C.-L. Wang · H. Qin · D.-L. Zhang · W.-X. Tian · G.-H. Su · S.-Z. Qiu
- 69 Calculation of effective point reactor kinetic parameters combined with the Galerkin finite element method**
B.-X. Yuan · W.-K. Yang · S.-B. Zhang · B. Zhong · J.-X. Wei · Y.-J. Ying

ERRATUM

- 72 Correction to: Seismic and stress qualification of LMFR fuel rod and simple method for the determination of LBE added mass effect**
M. Khizer · J.-W. Chen · G.-W. Yang · Q.-S. Wu · Y. Song · Y. Zhang

Nuclear Science and Techniques

Volume 31 • Issue 7 • July 2020

ISSN: 1001-8042 (Paper); CN 31-1559/TL

SYNCHROTRON RADIATION TECHNOLOGY AND APPLICATIONS

- 68 Lattice design for a hybrid multi-bend achromat light source

E.-S. Kim

- 73 RF design optimization for the SHINE 3.9 GHz cavity

Y.-X. Zhang · J.-F. Chen · D. Wang

ACCELERATOR, RAY TECHNOLOGY AND APPLICATIONS

- 63 Effect of the draw ratio in dry jet-wet spinning on aromatic copolysulfonamide fibers

J.-N. Wang · Y.-M. Zhang · X.-Y. Li

- 64 Physical design and multi-particle simulations of a compact IH-DTL with KONUS beam dynamics for proton therapy

J. Qiao · X.-C. Xie · D.-M. Li · Y.-H. Pu

NUCLEAR CHEMISTRY, RADIOCHEMISTRY, AND NUCLEAR MEDICINE

- 66 Effects of N-1 substituent on the phototoxicity of fluoroquinolone antibiotics: comparison of pefloxacin and difloxacin

J.-F. Zhao · Y.-C. Liu · Y.-L. Xu · W.-F. Wang

- 67 Study on the multiple characteristics of M₃ generation of pea mutants obtained by neutron irradiation

D.-P. Xu · Z.-E. Yao · J.-B. Pan · H.-Y. Feng · Z.-Q. Guo · X.-L. Lu

NUCLEAR ELECTRONICS AND INSTRUMENTATION

- 70 Design and offline testing of a resonant stripline beam position monitor for the IRFEL project at NSRL

X.-Y. Liu · F.-F. Wu · T.-Y. Zhou · P. Lu · B.-G. Sun

NUCLEAR PHYSICS AND INTERDISCIPLINARY RESEARCH

- 71 Examination of an isospin-dependent single-nucleon momentum distribution for isospin-asymmetric nuclear matter in heavy-ion collisions

G.-F. Wei · Q.-J. Zhi · X.-W. Cao · Z.-W. Long

(Table of contents continued on inside back cover)

