

Contents

RESEARCH ARTICLES

- 191** Behavior of Foreign Interstitial Hydrogen and Helium Atoms at Tungsten/Beryllium Interface from First-Principles Calculations
Junjie Zhao, Zhaochun Zhang, Haibo Guo, Yang Wang
- 208** Dependence of Heat Removal Rate of Pebble-Based Rods on Inter-Pebble Matrix Fill Fraction
Erick Martinez-Loran, Daniel Schwen, Benjamin W. Spencer, Jose Boedo, Eric Hollmann
- 219** Precision Polishing of Ablator Capsules via in situ Process Monitoring and Machine Learning–Based Optimization
Akash Tiwari, Shilan Jin, Shashank Galla, Bhaskar Botcha, Sean Hayes, Monika Biener, Kshitij Bhardwaj, Satish Bukkapatnam, Yu Ding, Alexos Antonios, Pierre Baldi, Suhas Bhandarkar
- 232** Safety Analysis of Metallic Tokamak-I Against Electromagnetic and Structural Loads
Saira Gulfam, Kamran Ahmad, Muhammad Bilal, Muhammad Taimoor Saleem, Zahoor Ahmad
- 244** The Multiple Roles of Structured Multipurpose Databases in Fusion Research
Henri Weisen, Paula Sirén, Jari Varje, Zamir Ghani, JET Contributors, TCV Team
- 259** Development and Insulation Performance Evaluation of Experimental Sample for a Direct Current High-Voltage Transmission Line
Rixin Wang, Yongjian Xu, Caichao Jiang, Lizhen Liang, Wei Liu, Chundong Hu, Jun Tao
- 269** Beam Optics Analysis for the 120-keV Multiaperture Accelerator of Neutral Beam Injector
Yuqian Chen, Longbin Liu, Yahong Xie, Jianglong Wei, Yuming Gu, Wen Deng, Fang Wang, Lixin Yang, Chundong Hu
- 279** Investigation of the Effects of Ion Sources and RF Power on the Neutron Production Rate at SNRTC-IEC Fusion Device
Arife Seda Bölükdemir, Yeşim Olgaç, Ali Alaçakir