

Contents

RESEARCH ARTICLES

- 99** Monte Carlo Simulations of the Interaction of ^{55}Mn with 14.7-MeV Protons Produced by D+ ^3He Fusion Reaction
Emil Mammadzada, Ayhan Kara
- 109** L-H Transition Initiated by Limit Cycle Oscillation Transition in the Globus-M Tokamak
A. A. Belokurov, L. G. Askinazi, V. K. Gusev, E. O. Kiselev, G. S. Kurskiev, A. V. Petrov, Yu. V. Petrov, A. M. Ponomarenko, S. Yu. Tolstyakov, A. Yu. Yashin
- 118** Observations on Macroscopic Surface Modification and Oxidation of Tungsten and Tungsten Carbide in Laser Focus in Air
Minsuk Seo, Shukai Yu, Venkatraman Gopalan, A. Leigh Winfrey
- 132** Magneto-Micropolar Nanofluid Flow Over a Convectively Heated Sheet with Nonlinear Radiation, Chemical Reaction, and Viscous Dissipation
D. Swapna, K. Govardhan, G. Narender
- 144** Impact of Reverse Buoyancy on Heat and Mass Transfer in MHD Flow of PbLi Within a Poloidal Duct in a Typical DCLL Liquid Breeder Blanket
Wen-Xuan Zhang, Hong-Na Zhang, Xiao-Bin Li, Feng-Chen Li
- 161** Numerical Calculations of Liquid-Metal Magnetohydrodynamic Flows in Rectangular Ducts with Sudden Contractions
Hiroshige Kumamaru
- 179** Fabrication of NBI Ion Source Back Plate and its High Heat Flux Experiment
M. R. Jana, Tapan M. Patel, U. K. Baruah, S. M. Belsare, K. S. Bhope, B. Choksi, N. S. Contractor, S. S. Khirwadkar, M. Mehta, P. K. Mokaria, N. P. Patel, T. H. Patel, R. Swamy, S. Tripathi