

Fusion Science and Technology

CONTENTS / NOVEMBER 2014—VOL. 66, NO. 3

TECHNICAL PAPERS

- 369** A Proof of Principle of Imposed Dynamo Current Drive: Demonstration of Sufficient Confinement / *T. R. Jarboe, C. J. Hansen, A. C. Hossack, G. J. Marklin, K. D. Morgan, B. A. Nelson, D. A. Sutherland, B. S. Victor*
- 385** A Simple System for Measuring Permeation of Hydrogen Through Stainless Steel / *Glen R. Longhurst, Alex Kratville*
- 394** High-Heat-flux Testing of Irradiated Tungsten-Based Materials for Fusion Applications Using Infrared Plasma Arc Lamps / *Adrian S. Sabau, Evan K. Ohriner, Jim Kiggans, Charles R. Schaich, Yoshio Ueda, David C. Harper, Yutai Katoh, Lance L. Snead*
- 405** Study on Geant4 Simulation of GRH System and Multiple-Objective Optimization of Optical Reflector System with Genetic Algorithm / *Bin Liu, Huasi Hu, Tiankui Zhang, Xingyin Guan*
- 414** Computational Analysis of Magnetohydrodynamic Flows in a Hairpin Duct Under Uniform Magnetic Fields Applied Parallel to the Flow Plane / *Xuejiao Xiao, Chang Nyung Kim*
- 426** Excitation Function of $^{56}\text{Fe}(n,\alpha)^{53}\text{Cr}$ Reaction from Threshold to 20 MeV for Fusion Applications / *P. M. Prajapati, Bhawna Pandey, C. V. S. Rao, S. Jakhar, T. K. Basu, B. K. Nayak, S. V. Suryanarayana, A. Saxena*
- 432** White-Light Interferometry for Measuring Fuel Pressure in ICF Polymer-Microsphere Targets / *Zongwei Wang, Dangzhong Gao, Xiaojun Ma, Jie Meng*

BOOK REVIEW

- 438** *Search for the Ultimate Energy Source* by Stephen O. Dean / *Laila A. El-Guebaly*

REVIEWERS/INDEXES/CONTENTS

- 440** Technical Reviewers
- 444** Volume 66 Author Index
- 447** Volume 66 Subject Index
- v Volume 66 Contents

