PEER-Reviewed Publications in Scientific Journals/Conference Proceedings/Book Chapter

2013-2014 (181 Reprints)

1. Effect of Isothermal Heat Treatment on Microstructure and Mechanical Properties of Reduced Activation Ferritic Martensitic Steel
K.S. CHANDRAVATHI, C.S. SASMAL, K. LAHA, P. PARAMESWARAN, M. NANDAGOPAL, V.D. VIJAYANAND, M.D. MATHEW, T. JAYAKUMAR, E. RAJENDRA KUMAR
Journal of Nuclear Materials, 435, 128-136, 2013

2. Electron Heating in a Multi-Dipole Plasma by Electrostatic Plugging
M. K. MISHRA and A. PHUKAN
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3. Comparison of Low and Atmospheric Pressure Air Plasma Treatment of Polyethylene
P. KIKANI, B. DESAI, S. PRAJAPATI, P. ARUN, N. CHAUHAN and S. K. NEMA
Surface Engineering, 29, 211-221, 2013

4. Optimisation of Welding Process Parameters for Distortion Control with Taguchi Approach
SURESH AKELLA, B. RAMESH KUMAR, Y. KRISHNAIAH
International Journal of Precision Technology, 3, 206 - 219, 2013

5. Rapid Synthesis of Carbon Nanoparticles with an Optimized Combination of Specific Surface Area and Crystallinity by a Plasma-Assisted Single-Step Process
N. AOMOA, H. BHUYAN, A. L. CABRERA, M. FAVRE, D. E. DIAZ-DROGUETT, S. ROJAS, P. FERRARI, D. N. SRIVASTAVA and M. KAKATI
Journal of Physics D: Applied Physics, 46, 165501, 2013

6. Studies on X-ray and Neutron Emission from 2.2 KJ Plasma Focus Device
N. TALUKDAR, T.K. BORTHAKUR, and N.K. NEOG
Problems of Atomic Science and Technology, 1, 125-127, 2013

7. Effects of Tungsten and Tantalum on Creep Deformation and Rupture Properties of Reduced Activation Ferritic-Martensitic Steel
J. VANAJA, K. LAHA, M.D. MATHEW, T. JAYAKUMAR, E. RAJENDRA KUMAR
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8. Effect of Tungsten on Mechanical Properties of Reduced Activation Ferritic-Martensitic Steel Subjected to Intercritical Heat Treatment
C.S. SASMAL, K.S. CHANDRAVATHI, M. NANDAGOPAL, S. PANNEER SELVI, P. PARAMESWARAN, K. LAHA, M.D. MATHEW, T. JAYAKUMAR, E. RAJENDRA KUMAR
Procedia Engineering, 55, 277-283, 2013

9. Microstructural Modifications Due to Tungsten and Tantalum in 9Cr Reduced Activation Ferritic Martensitic Steels on Creep Exposure

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Procedia Engineering, 55, 295-299, 2013

10. Preparation and Characterization of SnO_2 Thin Film Coating using rf-Plasma Enhanced Reactive Thermal Evaporation
PUNIT PATEL, AYYAN KARMAKAR, CHETAN JARIWALA, JAYESH P. RUPARELIA
Procedia Engineering, 51, 473-479, 2013

11. Observation of Low Magnetic Field Density Peaks in Helicon Plasma
KSHITISH K. BARADA, P. K. CHATTOPADHYAY, J. GHOSH, SUNIL KUMAR, and Y. C. SAXENA
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12. Kinetic Effects on Robustness of Electron Magnetohydrodynamic Structures
M. HATA, H. SAKAGAMI and A. DAS
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13. Role of Ion Temperature on Scrape-Off Layer Plasma Turbulence
N. BISAI and P. K. KAW
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14. Nonlinear Dynamics of Multiple Neoclassical Tearing Modes in Tokamaks
D. CHANDRA, O. AGULLO, S. BENKADDA, X. GARBET and A. SEN
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15. Effect of Temperature on Hydraulic Parameters of Cable-In-Conduit-Conductor of SST-1
SUNIL KEDIA, SUBRATA PRADHAN, BISWANATH RATH, KALPESH DOSHI, YOHAN KHRISTI, DIPAK PATEL, UPENDRA PRASAD, ASHOO N. SHARMA
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16. Design and Development of Rogowski Coil Sensors for Eddy Currents Measurement on Toroidal Vessel
N. RAVI PRAKASH, KANIKDEEP FLORA, RAJAN BABU, R. GANGRADEY, H. K. PATEL
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17. B2S: A Program to Reconstruct Geometrical Information from Computer Aided Design Models (CAD) and Converting into Primitive Mathematical Form
P.V. SUBHASH, C.V. SURESH, SHRICHAND JAKHAR, C.V.S. RAO, T.K. BASU
Advances in Energy Engineering, 1, 16, 2013

18. Overview of Design and Thermal-Hydraulic Analysis of Indian Solid Breeder Blanket Concept
PARITOSH CHAUDHURI, CHANDAN DANANI, VILAS CHAUDHARI, and E. RAJENDRA KUMAR
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19. Effect of Confining Wall Potential on Charged Collimated Dust Beam in Low-Pressure Plasma
S. S. KAUSIK, B. KAKATI and B. K. SAIKIA
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23. Laser Ablated Copper Plasmas in Liquid and Gas Ambient
BHUPESH KUMAR and RAJ K. THAREJA
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24. High Heat Flux Performance of Brazed Tungsten Macro-Brush Test Mock-Up for Divertors
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25. Vacuum Coupling of Photo Multiplier Tube with Monochromator for Improved Monitoring of VUV Emission from Aditya Tokamak
R. MANCHANDA, M.B. CHOWDHURI, J. GHOSH, K.M. PATEL, N. RAMAIYA, S. BANERJEE, NIRAL CHANCHAPARA, ANIRUDDH MALI, VIPAL RATHOD, C.J. HANSALIA, VINAY KUMAR
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ZIAUDDIN KHAN, SUBRATA PRADHAN and IRFAN AHMAD
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DEEPTI KOTHARI, SANJAY K. UPADHYAY, C. JARIWALA, P. M. RAOLE and V. RAGHAVENDRA REDDY
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M. R. JANA, M. CHUNG, B. FREEMIRE, P. HANLET, M. LEONOVA, A. MORETTI, M. PALMER, T. SCHWARZ, A. TOLLESTRUP, Y. TORUN, and K. YONEHARA
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DIPAK PATEL, A.N. SHARMA, UPENDRA PRASAD, YOHAN KHRISTI, PANKAJ VARMORA, KALPESH DOSHI, S. PRADHAN
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J. HILLAIRET, A. EKEDAHL, M. GONICHE, Y.S. BAE, J. ACHARD, A. ARMITANO, B. BECKETT, J. BELO, G. BERGER-BY, J.M. BERNARD, E. CORBEL, L. DELPECH, J. DECKER, R. DUMONT, D. GUILHEM, G.T. HOANG, F. KAZARIAN, H.J. KIM, X. LITAUDON, R. MAGNE, L. MARFISI, P. MOLLARD, W. NAMKUNG, E. NILSSON, S.

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41. Spatiotemporal Evolution of Ponderomotive Electron Heating in Axially Inhomogeneous Collisionless Plasma
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PARESH PATEL, C. B. SUMOD, D. P. THAKKAR, L. N. GUPTA, V. B. PATEL, L. K. BANSAL, K. QURESHI, V. VADHER, U. K. BARUAH, N. P. SINGH
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49. Port-Based Plasma Diagnostic Infrastructure on ITER
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83. Self-Focusing of a Gaussian Electromagnetic Beam in a Multi-Ions Plasma
SHIKHA MISRA, S. K. MISHRA and M. S. SODHA
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84. Compact Pulsed-Power Driver for Double Pulse Effect Studies in Nanosecond Laser Ablation
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