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

2023-2024 (175 Reprint)

1. Recovery of Electromagnetic Coils Insulation under Varying Conditions in ADITYA-U Tokamak
ROHIT KUMAR, J. GHOSH, R.L. TANNA, SUMAN AICH, TANMAY MACWAN, ADITYA-U TEAM
Fusion Engineering and Design, 189, 113481, April 2023

2. 8.56-GHz Quasi-Optical Launcher System with Incident-Mode Selectivity on the QUEST Spherical Tokamak
H. IDEI, M. SAKAGUCHI, K. MISHRA, T. ONCHI, R. IKEZOE, O. WATANABE, Y. TANAKA, T. SAITO, T. IDO, K. HANADA
Fusion Engineering and Design, 189, 113479, April 2023

3. Magnetic Field Induced Electron Temperature Inhomogeneity Effects on Discharge Properties in Cylindrical Capacitively Coupled Plasmas
SWATI DAHIYA, PAWANDEEP SINGH, SATADAL DAS, NISHANT SIRSE, SHANTANU KUMAR KARKARI
Physics Letters A, 468, 128745, April 2023

4. Uniform Plasma Generation with Filament Assisted DC Discharge in a Linear Plasma Device
DIBYAJYOTI BORA, ARITRA TARAFDER, SUBIR BISWAS, MALAY BIKAS CHOWDHURI and JOYDEEP GHOSH
Physica Scripta, 98, 045618, April 2023

5. Study of Plasma Sheath in the Presence of Dust Particles in a Magnetic Mirror-Like Field Configuration
K. DEKA, G. SHARMA, R. PAUL, R. MOULICK, S. ADHIKARI, S. S. KAUSIK, B.K. SAIKIA
Physica Scripta, 98, 045608, April 2023

6. Hairpin Probe Assisted Saturation Current Ratio Method to Determine Plasma Electronegativity
PAWANDEEP SINGH, SWATI DAHIYA, AVNISH KUMAR PANDEY and SHANTANUKUMAR KARKARI
Plasma Sources Science and Technology, 32, 045013, April 2023

7. Confinement Controlled Dynamical Structural Rearrangement in a Quasi-2D Dusty Plasma Crystal
SWARNIMA SINGH, P. BANDYOPADHYAY, KRISHAN KUMAR, A. SEN
Physics of Plasmas, 30, 043706, April 2023

8. SITAR: A Code for ICRH Antenna-Plasma Coupling
ASIM KUMAR CHATTOPADHYAY
IEEE Transactions on Plasma Science, 51, 1188, April 2023

9. Spatial Mapping of Low Pressure Cluster Jets using Rayleigh Scattering
MILAAN PATEL, B.R. GEETHIKA, JINTO THOMAS, HEM JOSHI
Scientific Reports, 13, 6338, April 2023

10. Ion-Driven Destabilization of a Toroidal Electron Plasma - A 3D3V PIC Simulation
S. KHAMARU, R. GANESH, M. SENGUPTA
Physics of Plasmas, 30, 042107, April 2023

11. Transition of a 2D Crystal to a Non-Equilibrium Two-Phase Coexistence State
SWARNIMA SINGH, P. BANDYOPADHYAY, KRISHAN KUMAR, M. G. HARIPRASAD, S. ARUMUGAM, A. SEN
Physics of Plasmas, 30, 043704, April 2023

12. Effect of Positive Polarity in an Inertial Electrostatic Confinement Fusion Device: Electron Confinement, X-Ray Production, and Radiography
DARPAN BHATTACHARJEE, SMRUTI RANJAN MOHANTY and SAYAN ADHIKARI
Fusion Science and Technology, 79, 671, April 2023

13. Thermostructural Analysis of Large Cryopumping Test Facility
HEMANG S. AGRAVAT, SAMIRAN S. MUKHERJEE, VISHAL GUPTA, PARESH PANCHAL, PRATIK NAYAK, JYOTI SHANKAR MISHRA and RANJANA GANGRADEY
Fusion Science and Technology, 79, 683, April 2023

14. A Single-Step Plasma Method for Rapid Production of 2D, Ferromagnetic, Surface Vacancy-Engineered MoO3-X nanomaterials, for Photothermal Ablation of Cancer
MIZANUR RAHMAN, DEEPAK B PEMMARAJU, UPADHYAYULA SURYANARAYANA MURTY, SARAT PHUKAN, UDAY P DESHPANDE, VASANT SATHE and MAYUR KAKATI
Nanotechnology, 34, 195601, May 2023

15. Neutronic Simulation of Medical Radioisotope 99Mo and 177Lu Production in IPR 14 MeV Neutron Generator Facility
H. L. SWAMI, A. SAXENA, S. VALA, M. ABHANGI, RATNESH KUMAR, RAJESH KUMAR
Applied Radiation and Isotopes, 195, 110743, May 2023

16. Experimental Investigation of Rarefied Flows through Supersonic Nozzles
MILAAN PATEL, JINTO THOMAS, HEM CHANDRA JOSHI
Vacuum, 211, 111909, May 2023

17. Synthesis of the Chemically Durable Glass-Ceramic Matrix for Radioactive Waste Immobilisation
RITU KUMARI PILANIA, NIDHI PATHAK, MAHESH SAINI, KANDATHIL PARAMBIL SOORAJ, MUKESH RANJAN, CHARU LATA DUBE
Ceramics International, 49, 15931, May 2023

18. Gyrokinetic Simulations of Electrostatic Microturbulence in ADITYA-U Tokamak
TAJINDER SINGH, DEEPTI SHARMA, TANMAY MACWAN, SARVESHWAR SHARMA, JOYDEEP GHOSH, ABHIJIT SEN, ZHIHONG LIN and ANIMESH KULEY
Nuclear Fusion, 63, 056008, May 2023

19. Optimization of Input Parameters of ANN–Driven Plasma Source through Nature-Inspired Evolutionary Algorithms
VIPIN SHUKLA, MAINAK BANDYOPADHYAY
Intelligent Systems with Applications, 18, 200200, May 2023

20. Influence of γ'N and ε'N Phases on the Properties of AISI 304L after Low-Temperature Plasma Nitrocarburizing

JEET VIJAY SAH, PRAVIN KUMARI DWIVEDI, SUBROTO MUKHERJEE, GHANSHYAM JHALA and ALPHONSA JOSEPH
Journal of Vacuum Science & Technology A, 41, 033101, May 2023

21. Secondary Electron Emission and Collisional Effects in a Two-Electron Temperature Plasma Sheath
GUNJAN SHARMA, RUPALI PAUL, KISHOR DEKA, RAKESH MOULICK, SAYAN ADHIKARI, SIDDHARTHA SANKAR KAUSIK, BIPUL KUMAR SAIKIA
Contributions to Plasma Physics, 63, e202300020, May 2023

22. Experimental and Theoretical Study of the 65Cu(n,p) 65Ni Reaction Cross Section from Reaction Threshold up to 25 MeV
R. K. SINGH, N. L. SINGH, MAYUR MEHTA, RAKESH CHAUHAN, H. KUMAWAT, RAJNIKANT MAKWANA, S. V. SURYANARAYANA, B. K. NAYAK, H. NAIK, JAN VARMUZA, and K. KATOVSKY
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23. Design, Development, and Analysis of 1 to 4, Anti-Phase in-Line RF Power Splitter for Low-Frequency ISM Band Applications
CHIRAG SENJALIYA, SHANTANU KUMAR KARKARI
AIP Advances, 13, 055001, May 2023

24. Selective Generation of Reactive Oxygen Species in Plasma-Activated Water using Co2 Plasma
VIKAS RATHORE, SUDHIR KUMAR NEMA
Journal of Vacuum Science & Technology A, 41, 043001, May 2023

25. Application of Similarity Theory to Predict Operational Characteristics of a DC Plasma Torch Under Low-Pressure Condition
RAM KRUSHNA MOHANTA, DEVILAL KUMAWAT, G. RAVI and KUMUDNI TAHILIANI
The European Physical Journal D, 77, 89, May 2023

26. Study of Physico-Chemical and Antibacterial Properties of DBD Plasma Treated Ahimsa Silk Coated With Natural Active Agent
MUMAL SINGH, MONA VAJPAYEE, LALITA LEDWANI, HEMEN DAVE and SUDHIR K NEMA
Physica Scripta, 98, 065001, June 2023

27. Tritium-Titanium Target Degradation due to Deuterium Irradiation for DT Neutron Production
MAYANK RAJPUT, H L SWAMI, SUDHIRSINH VALA, M ABHANGI, R KUMAR and RAJESH KUMAR
Nuclear Fusion, 63, 066033, June 2023

28. 3D Thermo-Fluid MHD Simulation in a Complex Flow Geometry
A. PATEL, R. BHATTACHARYAY
Fusion Engineering and Design, 191, 113558, June 2023

29. Lane Formation in 3D Driven Pair-Ion Plasmas: I Parallel External Forcing
VISHAL KUMAR PRAJAPATI, SWATI BARUAH and RAJARAMAN GANESH
Journal of Plasma Physics, 89, 905890301, June 2023

30. Lane Formation in 3D Driven Pair-Ion Plasmas: II Non-Parallel External Forcing
VISHAL KUMAR PRAJAPATI, SWATI BARUAH and RAJARAMAN GANESH

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31. Test Results of a Prototype HTS Current Lead With MgB2 and NbTi Superconducting Joints
NITIN BAIRAGI, VIPUL L. TANNA, HIREN NIMAVAT, DASHRATH SONARA, ROHITKUMAR PANCHAL, ATUL GARG, GAURANG MAHESURIA, RAKESHKUMAR PATEL, DIKENS CHRISTIAN, PRADIP PANCHAL, GAURAV PURWAR, UPENDRA PRASAD and RAJU DANIELIEEE Transactions on Applied Superconductivity, 33, 4801408, June 2023

32. Anisotropic Electrical Properties of 200MeV Ag+15 Ion Irradiated Manganite Films
BHAGYASHREE UDESHI, BHARAVI HIRPARA, SUKRITI HANS, M. RANJAN, M.R. GONAL, K. ASOKAN, R.K. TRIVEDI, A.D. JOSHI, P.S. SOLANKI, N.A. SHAH
Materials Chemistry and Physics, 301, 127688, June 2023

33. Behavior of Ion Acoustic Solitons in A Two-Electron Temperature Plasma of a Multi-Pole Line Cusp Plasma Device (MPD)
ZUBIN SHAIKH, A. D. PATEL, P. K. CHATTOPADHYAY, JOYDEEP GHOSH, H. H. JOSHI and N. RAMASUBRAMANIAN
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34. Effect of Ambient Gas on Grain Growth of CZTS Layer: Study on Device Efficiency
SAGAR AGRAWAL, C. BALASUBRAMANIAN and SUBROTO MUKHERJEE
Journal of Materials Science: Materials in Electronics, 34, 1387, June 2023

35. Argon, Neon, and Nitrogen Impurity Transport in the Edge and SOL Regions of a Tokamak
SHRISH RAJ, N. BISAI, VIJAY SHANKAR and A. SEN
Physics of Plasmas, 30, 062302, June 2023

36. Variation in Defects and Properties in Composite of ZnO and α-Fe2O3 for Sustainable Wastewater Treatment
BORIS WAREPPAM, K. PRIYANANDA SINGH, N. JOSEPH SINGH; SUBRATA GHOSH, N. AOMOA, V. K. GARG, A. C. OLIVEIRA and L. HEROJIT SINGH
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37. Impact of Edge Biasing On the Cross-Field Transport and Power Spectra
VIJAY SHANKAR, N. BISAI, SHRISH RAJ and A. SEN
Physics of Plasmas, 30, 062301, June 2023

38. Simulation of Silicon Etching in NF3 Plasma Reactor
H L SWAMI, V MEHTA, YOGENDRA KUMAR, CHETAN JARIWALA and RAJESH KUMAR
Pramana - Journal of Physics, 97, 101, June 2023

39. Heat Transfer and Fluid Flow Analysis of Pebble Bed and Its Verification with Artificial Neural Network
CHIRAG SEDANI, PARITOSH CHAUDHURI, MANOJ KUMAR GUPTA
Nuclear Materials and Energy, 35, 101439, June 2023

40. Theory of Plasma Blob Formation and its Numerical and Experimental Validations
N. BISAI, SANTANU BANERJEE, S.J. ZWEBEN and A. SEN

Reviews of Modern Plasma Physics, 7, 22, June 2023

41. Lessons Learned after Three Years of SPIDER Operation and the First MITICA Integrated Tests
D. MARCUZZI, V. TOIGO, M. BOLDRIN, G. CHITARIN, S. DAL BELLO, L. GRANDO, A. LUCHETTA, R. PASQUALOTTO, M. PAVEI, G. SERIANNI, L. ZANOTTO, R. AGNELLO, P. AGOSTINETTI, M. AGOSTINI, D. APRILE, M. BARBISAN, M. BATTISTELLA, G. BERTON, M. BIGI, M. BROMBIN, V. CANDELA, V. CANDELORO, A. CANTON, R. CASAGRANDE, C. CAVALLINI, R. CAVAZZANA, L. CORDARO, N. CRUZ, M. DALLA PALMA, M. DAN, A. DE LORENZI, R. DELOGU, M. DE MURI, M. DE NARDI, S. DENIZEAU, M. FADONE, F. FELLIN, A. FERRO, E. GAIO, C. GASPARRINI, F. GNESOTTO, P. JAIN, A. LA ROSA, D. LOPEZ-BRUNA, R. LORENZINI, A. MAISTRELLO, G. MANDUCHI, S. MANFRIN, N. MARCONATO, I. MARIO, G. MARTINI, R. MILAZZO, T. PATTON, S. PERUZZO, N. PILAN, A. PIMAZZONI, C. POGGI, N. POMARO, B. POURADIER-DUTEIL, M. RECCHIA, A. RIGONI-GAROLA, D. RIZZETTO, A. RIZZOLO, F. SANTORO, E. SARTORI, B. SEGALINI, A. SHEPHERD, M. SIRAGUSA, P. SONATO, A. SOTTOCORNOLA, E. SPADA, S. SPAGNOLO, M. SPOLAORE, C. TALIERCIO, P. TINTI, P. TOMSIČ, L. TREVISAN, M. UGOLETTI, M. VALENTE, M. VALISA, F. VERONESE, M. VIGNANDO, P. ZACCARIA, R. ZAGORSKI, B. ZANIOL, M. ZAUPA, M. ZUIN, M. CAVENAGO, D. BOILSON, C. ROTTI, H. DECAMPS, F. GELI, A. SHARMA, P. VELTRI, J. ZACKS, M. SIMON, F. PAOLUCCI, A. GARBUGLIA, D. GUTIERREZ, A. MASIELLO, G. MICO, C. LABATE, P. READMAN, E. BRAGULAT, L. BAILLY-MAITRE, G. GOMEZ, G. KOUZMENKO, F. ALBAJAR, M. KASHIWAGI, H. TOBARI, A. KOJIMA, M. MURAYAMA, S. HATAKEYAMA, E. OSHITA, T. MAEJIMA, N. SHIBATA, Y. YAMASHITA, K. WATANABE, N.P. SINGH, M.J. SINGH, H. DHOLA, U. FANTZ, B. HEINEMANN, C. WIMMER, D. WUNDERLICH, K. TSUMORI, G. CROCI, G. GORINI, A. MURARO, M. REBAI, M. TARDOCCHI, L. GIACOMELLI, D. RIGAMONTI, F. TACCOGNA, D. BRUNO, M. RUTIGLIANO, S. LONGO, S. DEAMBROSIS, E. MIORIN, F. MONTAGNER, A. TONTI, F. PANIN
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42. Synthetic Data Generation using Generative Adversarial Network for Tokamak Plasma Current Quench Experiments
BHRUGU DAVE, SARTHAK PATEL, RISHI SHIVANI, SHISHIR PUROHIT, BHASKAR CHAUDHURY
Contributions to Plasma Physics, 63, e202200051, June-July 2023

43. Revisiting Kinematic Fast Dynamo in Three-Dimensional Magnetohydrodynamicplasmas: Dynamo Transition from Non-Helical To Helical Flows
SHISHIR BISWAS and RAJARAMAN GANESH
Physica Scripta, 98, 075607, July 2023

44. Design, Analysis, Fabrication and Testing of 100 kV, 100mA DC Full-Wave Voltage Multiplier (FWVM) Modular Unit for Accelerator Power Supply
URMIL THAKER, SANTOSH C. VORA, AMARDAS A, AMAL S., KUMAR SAURABH, ARITRA CHAKRABORTY, PAUL CHRISTIAN, ASHOK MANKANI, UJJWAL BARUAH
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45. Characterizing a Ka-Band FMCW Reflectometer
J.J.U. BUCH and S.K. PATHAK
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46. Systematic Study of (p, n) and (p, 2n) Reactions on 110Cd

VIBHUTI VASHI, RAJNIKANT MAKWANA, B. QUINTANA, M. H. MEHTA, R.K. SINGH, B.K. SONI, R. CHAUHAN, S. MUKHERJEE, M. ABHANGI, S. VALA, N.L. SINGH, G.B. PATEL, S.V. SURYANARAYANA, B.K. NAYAK, S.C. SHARMA, T.N. NAG, Y. KAVUN
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JENDRA PATEL, MUKTI RANJAN JANA, UJJWAL BARUAH
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48. Mid-Infrared Radiation from Semiconductor Plasmas Using Extraordinary Mode of Lasers
KRISHNA GOPAL, AKHILESHWAR PRASAD SINGH, MRITYUNJAY KUNDU, AJIT UPADHYAY and PRATEEK VARSHNEY
Brazilian Journal of Physics, 53, 118, July 2023

49. Computational and Experimental Study of Nonequilibrium Flow in Plasma Wind Tunnel
VINAY UNNIKRISHNAN, NANDINI YADAVA, NIRAL VIRANI, JOYDEEP GHOSH, N. SREENIVAS, L. ARAVINDAKSHAN PILLAI and KOWSIK BODI
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50. Spatial Flux and Energy Asymmetry in a Low Pressure Capacitively Coupled Plasma Discharge Excited By Sawtooth Waveform: A Harmonic Study
SARVESHWAR SHARMA, NISHANT SIRSE and MILES M TURNER
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A. AHMED, S. SINGHA, N. K. NEOG and T. K. BORTHAKUR
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52. Interaction of a Precursor Soliton with Wake Structure in a Flowing Dusty Plasma
KRISHAN KUMAR, P. BANDYOPADHYAY, SWARNIMA SINGH and A. SEN
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53. Measurement of Neutron Capture Cross Section on 71Ga at 2.15 and 3.19 MeV and the Uncertainty Propagation and Covariance Analysis
REBECCA PACHUAU, AMAN GANDHI, NAMRATA SINGH, AJAY KUMAR TYAGI, MAYUR MEHTA, SARASWATULA SURYANARAYAN, L. S. DANU, B K NAYAK and B LALREMRUATA
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54. Design, Manufacturing, and Testing of 0.35/25 kV, 20 kHz Transformers for Particle Accelerators
ARITRA CHAKRABORTY, PAUL D. CHRISTIAN, AMAL S, SAURABH KUMAR, ANANYA KUNDU, ASHOK MANKANI, UJJWAL K. BARUAH
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55. Assessment and Optimization of Output Filter for Microsecond Transient in PSM-Based Megawatt HVPS
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IEEE Transactions on Plasma Science, 51, 1988, July 2023

56. Effect of Cage Bias and Electron Emission on the Two-Electron Temperature Groups in a Hot Cathode Discharge
JOCELYN SANGMA, NARAYAN SHARMA, MONOJIT CHAKRABORTY and MAINAK BANDYOPADHYAY
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57. Comparative Wettability Study of Bulk and Thin Film of Polytetrafluoroethylene after Low Energy Ion Irradiation
VIVEK PACHCHIGAR, BASANTA KUMAR PARIDA, SEBIN AUGUSTINE, SUKRITI HANS, MAHESH SAINI, K.P. SOORAJ, MUKESH RANJAN
Thin Solid Films, 777, 139888, July 2023

58. Methotrexate Degradation in Artificial Wastewater Using Non-Thermal Pencil Plasma Jet
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59. Indigenous Development of Epoxy Resin System for Cryogenic Services and Fusion Application
RAJIV SHARMA, ALKESH M. MAVANI and V. L. TANNA
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60. Gyrokinetic Simulation of Short Wavelength Ion Temperature Gradient Instabilities in the ADITYA-U Tokamak
AMIT KUMAR SINGH, JAGANNATH MAHAPATRA, JUGAL CHOWDHURY, DEEPAK AGGARWAL, THOMAS HAYWARD-SCHNEIDER, RAJARAMAN GANESH, EMMANUEL LANTI and LAURENT VILLARD
Nuclear Fusion, 63, 086029, August 2023

61. Pinning of Graphene for Conformal Wrinkling Over a Soft Corrugated Substrate through Prestretch-Release Process
MUKESH PANDEY, B.K. PARIDA, M. RANJAN, RAJEEV AHUJA and RAKESH KUMAR
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62. Reconstruction Algorithm for the Runaway Electron Energy Distribution Function of the ITER Hard X-Ray Monitor
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63. Analysis of the Coupling Characteristics of Ion Cyclotron Resonance Heating Antenna of Small Tokamak with the Help of 2D and 3D Antenna Codes
ASIM KUMAR CHATTOPADHYAY
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64. Kinetic Simulation of a 50 mTorr Capacitively Coupled Argon Discharge over a Range of Frequencies and Comparison to Experiments
SAURABH SIMHA, SARVESHWAR SHARMA, ALEXANDER KHRABROV, IGOR KAGANOVICH, JONATHAN POGGIE, SERGEY MACHERE
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65. Runaway Electron Mitigation with Pulsed Localized Vertical Magnetic Field Perturbation in ADITYA Tokamak
R.L. TANNA, S. PATEL, J. GHOSH, CHETNA CHAUHAN, A. AMARDAS, P.K. CHATTOPADHYAY, K.A. JADEJA, Y.S. JOISA, U.C. NAGORA, P.K. ATREY, M.B. CHOWDHURI, R. MANCHANDA,
Y.C. SAXENA and the ADITYA TEAM
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66. Role of Micro- and Nano-CeO2 Reinforcements on Characteristics and Tribological Performance of HVOF Sprayed Cr3C2-NiCr Coatings
HETAL R. CHAUHAN, SEKAR SALADI, SAHIL VARIYA, AJAYKUMAR SOLANKI, SATISH TAILOR, K.P. SOORAJ, MUKESH RANJAN, SHRIKANT JOSHI
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68. Development of Isotopically Labelled 65Cu Embedded PMMA-65 CuO Nanocomposites for Detection and Quantification of PMMA Bone Cement Degradation at Trace Levels
BHARTI MALVI, SWAROOP CHAKRABORTY, RAMESH CHAUDHARI, ASHUTOSH KUMAR, BALASUBRAMANIAN C., SUPERB K. MISRA
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69. Changing Pattern of N2 Dissociation in N2-Ar RF Plasma during E-H Mode Transition
A MUKHERJEE, M CHAKRABORTY, N SHARMA and P K SAHA
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70. Effect of Stirring on Characteristics of Electrochemically Exfoliated Graphene
G. AWASTHI, K. MISTRY, N. JAMNAPARA, M. SALOT, K. SANTHY, D. MANDAL, S.K. CHAUDHURY
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71. Investigating the Role of Plasma-Activated Water on the Growth of Freshwater Algae Chlorella Pyrenoidosa and Chlorella Sorokiniana
VIKAS RATHORE and SUDHIR KUMAR NEMA
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72. Imidazole-Functionalized Plasma-Treated ZnO and α-Fe2O3 Composites for Catalytic Degradation of Dye Catalytic Degradation of Dye
BORIS WAREPPAM, N. JOSEPH SINGH, K. PRIYANANDA SINGH, N. AOMOA and L. HEROJIT SINGH
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73. O-Mode Reflectometry on Aditya-U
J.J.U. BUCH, S.K. PATHAK, K.M PATEL, ADITYA-U TEAM
Fusion Engineering and Design, 193, 113746, August 2023

74. Pressureless Manufacturing of High Purity Ti3AlC2 MAX Phase Material: Synthesis and Characterisation

VYOM DESAI, AROH SHRIVASTAVA, ARUNSINH ZALA, TEJAS PAREKH, SUROJIT GUPTA C, N. I. JAMNAPARA
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ROSH ROY, RITESH SUGANDHI, MRITUNJAY KUMAR, PRABAL K CHATTOPADHYAY
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76. Effect of Charged Dust Grains on the Electrojet Instabilities
SANJIB SARKAR, JYOTI KUMAR ATUL, MODHUCHANDRA LAISHRAM, DANDAN ZOU and KOSTYA (KEN) OSTRIKOV
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77. Development and Application of Vibration Diagnostics for Condition Monitoring in High Heat Flux Test Facility at IPR
KEDAR BHOPE, MAYUR MEHTA, SUNIL BELSARE, SAMIR KHIRWADKAR, VINAY MENON, RAJAMANNAR SWAMY, PRAKASH MOKARIYA, TUSHAR PATEL and NIKUNJ PATEL
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78. Plasma Sheath with Multi-Species of Positive Ions and Surface Produced Negative Ions
SUTAPA SAMANTA, RAKESH MOULICK, P. J. BHUYAN, and B. J. SAIKIA
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80. Studies of Physio-Chemical Changes of Dielectric Barrier Discharge Plasma Treated Aramid Fibers
SADAF JETHVA, FALGUNI BHABHOR, CHIRAYU PATIL, VYOM DESAI, ARUNSINH ZALA, NISHA CHANDWANI, C. BALASUBRAMANIAN, N.I. JAMNAPARA
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81. SERS Sensing Of Metanil Yellow in Turmeric Solution Using Self-Organized Nanoparticle Arrays Grown On Ion Beam Patterned Soda-Lime Glass
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