

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

2016-2017 (213 Reprints)

1. Thermal-Hydraulic Characteristics and Performance of 3D Straight Channel Based Printed Circuit Heat Exchanger
A.M. ANEESH, ATUL SHARMA, ATUL SRIVASTAVA, K.N. VYAS and PARITOSH CHAUDHURI
[Applied Thermal Engineering, 98, 474, 2016](#)
2. Growth and Structural Determination of He Bubbles in Iron/Chromium Alloys using Molecular Dynamics Simulations
ABHISHEK, M. WARRIER, R. GANESH, A. CARO
[Journal of Nuclear Materials, 472, 82, 2016](#)
3. 0-D Modeling of SST-1 Plasma Break-Down & Start-Up using ECRH Assisted Pre-Ionization
AVEG KUMAR, SUBRATA PRADHAN
[Fusion Engineering and Design, 105, 22, 2016](#)
4. Nonlinearly Coupled Dynamics of Irregularities in the Equatorial Electrojet
J.K. ATUL, S. SARKAR, S.K. SINGH
[Physics Letters A, 380, 1446, 2016](#)
5. Experimental Study for Comparison of H₂ and Ar–H₂ Gas Mixture Glow Discharge Wall Conditioning in ADITYA Tokamak
KUMARPALSINH. A. JADEJA, KAUSHAL M. PATEL, RAKESH L. TANNA, DEEPAK SANGWAN, KAUSHIK S. ACHARYA, NILESH D. PATEL, SHAILESH B. BHATT, RANJANA MANCHANDA, JOYDEEP GHOSH, and ADITYA TEAM
[IEEE Transactions on Plasma Science, 44, 722, 2016](#)
6. GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes
B. P. ABBOTT, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA et al. (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review Letters, 116, 131102, 2016](#)
7. Origin and Evolution of Spontaneous Rotation in Plasma under Different Magnetic Field Geometries in Tokamak QUEST
KISHORE MISHRA, H. ZUSHI, H. IDEI, T. ONCHI, M. HASEGAWA, and K. HANADA
[IEEE Transactions on Plasma Science, 44, 441, 2016](#)
8. Thermal-Hydraulic Analysis of ITER Component Cooling Water System Loop 2B

BIN GUO, GIOVANNI DELL'ORCO, TEODOROS LILIANA, PLOYHAR STEVE, JUN TAO, PENG FU, LEI YANG, AJITH KUMAR, DINESH GUPTA, NIRAV PATELKUMAR, and MAHESH JADHAV

[Journal of Fusion Energy, 35, 335, 2016](#)

9. GW150914: The Advanced LIGO Detectors in the Era of First Discoveries
B.P. ABBOTT, G. GAUR, M.K. GUPTA, Z. KHAN, A.K. SRIVASTAVA, et al (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review Letters, 116, 131103, 2016](#)
10. A Comparative Study of Sheath Potential Profile Measurements with Laser-Heated and Current-Heated Emissive Probes
VARA PRASAD KELLA, PAYAL MEHTA, A. SARMA, J. GHOSH and P. K. CHATTOPADHYAY
[Review of Scientific Instruments, 87, 043508, 2016](#)
11. Observation of Quasi-Coherent Edge Fluctuations in Ohmic Plasmas on National Spherical Torus Experiment
SANTANU BANERJEE, A. DIALLO and S. J. ZWEBEN
[Physics of Plasmas, 23, 044502, 2016](#)
12. Time Resolved Interferometric Study of the Plasma Plume Induced Shock Wave in Confined Geometry: Two-Dimensional Mapping of the Ambient and Plasma Density
KAUSHIK CHOUDHURY, R. K. SINGH, SURYA NARAYAN, ATUL SRIVASTAVA and AJAI KUMAR
[Physics of Plasmas, 23, 042108, 2016](#)
13. Experimental Observation of Precursor Solitons in Flowing Complex Plasma
SURABHI JAISWAL, P. BANDYOPADHYAY and A. SEN
[Physical Review E, 93, 041201, 2016](#)
14. Analysis of Defects in Externally Driven Dust-Density Wavefronts in Cogenerated Dusty Plasma Using the Time-Resolved Hilbert–Huang Transform
SANJIB SARKAR, CHIRANJIB BARMAN, MALAY MONDAL, M BOSE and S MUKHERJEE
[Journal of Physics D: Applied Physics, 49, 205201, 2016](#)
15. Effect of Mass and Density of Ambient Gas on the Interaction of Laser-Blow-Off Plasma Plumes Propagating in Close Proximity
BHUPESH KUMAR, R. K. SINGH, and AJAI KUMAR
[Physics of Plasmas, 23, 043517, 2016](#)

16. Study on the Effect of Hydrogen Addition on the Variation of Plasma Parameters of Argon-Oxygen Magnetron Glow Discharge for Synthesis of TiO₂ Films
PARTHA SAIKIA, BIPUL KUMAR SAIKIA, and HEMAN BHUYAN
[AIP Advances, 6, 045206, 2016](#)
17. Computational and Experimental Investigation of Steady State and Transient Characteristics of Molten Salt Natural Circulation Loop
JAYARAJ YALLAPPA KUDARIYAWAR, ABHISHEK KUMAR SRIVASTAVA, ABHIJEET MOHAN VAIDYA, NARESH KUMAR MAHESHWARI, and POLEPALLE SATYAMURTHY
[Applied Thermal Engineering, 99, 560, 2016](#)
18. Optimum Multiscale Decomposition in NSCT-Based Single Image Super Resolution
A.J. SHAH and S.B. GUPTA
[Imaging Science Journal, 64, 3, 140, 2016](#)
19. Development of a Plasma Assisted ITER Level Controlled Heat Source and Observation of Novel Micro/Nanostructures Produced Upon Exposure of Tungsten Targets
N. AOMOA, TRINAYAN SARMAH, PUSPALATA SAH, P. CHAUDHURI, S. KHIRWARKER, J. GHOSH, B. SATPATI, M. KAKATI, G. DE TEMMERMAN
[Fusion Engineering and Design, 106, 63, 2016](#)
20. Investigation of Brazing of Ba(Zn_{0.33}Ta_{0.67})O₃ Ceramic with Ti6Al4V Alloy
SURESH BEERA, SWATHI MANIVANNAN, AMIT KUMAR SINGH, P.K. SHARMA, G. MADHUSUDAN REDDY, DIBAKAR DAS
[Ceramics International, 42, 8072, 2016](#)
21. Tests of General Relativity with GW150914
B.P. ABBOTT, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA, et al. (LIGO Scientific and Virgo Collaborations)
[Physical Review Letters, 116, 221101, 2016](#)
22. Sub-Monolayer Growth of Ag on Flat and Nanorippled SiO₂ Surfaces
MUKUL BHATNAGAR, MUKESH RANJAN, KENNY JOLLEY, ROGER SMITH and SUBROTO MUKHERJEE
[Applied Physics Letters, 108, 223101, 2016](#)
23. Transport and Trapping of Dust Particles in a Potential Well Created by Inductively Coupled Diffused Plasmas
MANGILAL CHOUDHARY, S. MUKHERJEE, and P. BANDYOPADHYAY
[Review of Scientific Instruments, 87, 053505, 2016](#)

24. Comparative Study of Neutron Emission from a Plasma Focus Device Using Two Different Anode Shapes
N. TALUKDAR, S. BORTHAKUR, N. K. NEOG and T. K. BORTHAKUR
[Physics of Plasmas, 23, 052711, 2016](#)
25. Three-Dimensional Tomographic Imaging for Dynamic Radiation Behaviour Study Using Infrared Imaging Video Bolometers in Large Helical Device Plasma
RYUICHI SANO, BYRON J. PETERSON, MASARU TERANISHI, NAOFUMI IWAMA, MASAHIRO KOBAYASHI, KIYOFUMI MUKAI, and SHWETANG N. PANDYA
[Review of Scientific Instruments, 87, 053502, 2016](#)
26. Effect of Hydrogen Addition on the Deposition of Titanium Nitride Thin Films in Nitrogen Added Argon Magnetron Plasma
P SAIKIA, H BHUYAN, D E DIAZ-DROGUETT, F GUZMAN, S MANDL, B K SAIKIA, M FAVRE, J R MAZE, and E WYNDHAM
[Journal of Physics D: Applied Physics, 49, 225203, 2016](#)
27. Observation on Fundamental and Second Harmonic Mode ECRH Assisted Plasma Startup in SST-1 Experiments
KIRIT PATEL, and SUBRATA PRADHAN
[Fusion Engineering and Design, 106, 99, 2016](#)
28. Computational Fluid Dynamic Studies on Plasma Facing Heat Sink Concept for Fusion Tokamak Application
SANDEEP RIMZA, SAMIR KHIRWADKAR, KARUPANNA VELUSAMY
[Applied Thermal Engineering, 100, 1274, 2016](#)
29. Optimization of the ITER Cryodistribution for an Efficient Cooling of the Magnet System
H.-S. CHANG, R. MAEKAWA, A. FORGEAS, M. CLOUGH, M. CHALIFOUR, H. VAGHELA, R. BHATTACHARYA, and B. SARKAR
[IEEE Transactions on Applied Superconductivity, 26, 4203704, 2016](#)
30. Relativistic Wave-Breaking Limit of Electrostatic Waves in Cold Electron-Positron-Ion Plasmas
M. KARMAKAR, C. MAITY, N. CHAKRABARTI and S. SENGUPTA
[European Physical Journal D, 70, 144, 2016](#)
31. Vapor Bubble Formation, Forces, and Induced Vibration: A Review
MANOJ KUMAR GUPTA, DHARMENDRA S. SHARMA, and V. J. LAKHERA
[Applied Mechanics Reviews, 63, 030801, 2016](#)
32. On the Chiral Imbalance and Weibel Instabilities
AVDHESH KUMAR, JITESH R. BHATT, and P.K. KAW

[Physics Letters B, 757, 317, 2016](#)

33. A Technique to Preserve Edge Information in Single Image Super Resolution
AMISHA J. SHAH and SURYAKANT B. GUPTA
[Procedia Computer Science, 85, 100, 2016](#)
34. High-Energy Neutrino Follow-Up Search of Gravitational Wave Event GW150914 with ANTARES and IceCube
S. ADRIAN-MARTINEZ, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA, et al. (ANTARES Collaboration, IceCube Collaboration, LIGO Scientific Collaboration, and Virgo Collaboration)
[Physical Review D, 93, 122010, 2016](#)
35. Pressurized RF Cavities in Ionizing Beams
B. FREEMIRE, A. V. TOLLESTRUP, K. YONEHARA, M. CHUNG, Y. TORUN, R. P. JOHNSON, G. FLANAGAN, P. M. HANLET, M. G. COLLURA, M. R. JANA, M. LEONOVA, A. MORETTI, and T. SCHWARZ
[Physical Review Accelerators and Beams, 19, 062004, 2016](#)
36. GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence
B. P. ABBOTT, A. DASGUPTA, G. GAUR, M. K. GUPTA, Z. KHAN, R. KUMAR, A. K. SRIVASTAVA, S. SUNIL, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
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37. Properties of the Binary Black Hole Merger GW150914
B. P. ABBOTT, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review Letters, 116, 241102, 2016](#)
38. GW150914: First Results from the Search for Binary Black Hole Coalescence with Advanced LIGO
B. P. ABBOTT, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review D, 93, 122003, 2016](#)
39. Observing Gravitational-Wave Transient GW150914 with Minimal Assumptions
B. P. ABBOTT, G. GAUR, M. K. GUPTA, Z. KHAN, A. K. SRIVASTAVA, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review D, 93, 122004, 2016](#)

40. Confinement Time of Electron Plasma Approaching Magnetic Pumping Transport Limit in Small Aspect Ratio C-Shaped Torus
LAVKESH LACHHVANI, SAMBARAN PAHARI, RAJIV GOSWAMI, MANU BAJPAI, YOGESH YEOLE and P. K. CHATTOPADHYAY
[Physics of Plasmas, 23, 062109, 2016](#)
41. Chirp-Driven Giant Phase Space Vortices
PALLAVI TRIVEDI and RAJARAMAN GANESH
[Physics of Plasmas, 23, 062112, 2016](#)
42. Plasma Heating Via Adiabatic Magnetic Compression-Expansion Cycle
K. AVINASH, M. SENGUPTA and R. GANESH
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43. Coulomb Fission of a Dusty Plasma
R. L. MERLINO, J. K. MEYER, K. AVINASH and A. SEN
[Physics of Plasmas, 23, 064506, 2016](#)
44. Design and Fabrication of a Special Purpose Winding Machine for ELM Control Coils of JET
M. GHATE, S. PRADHAN, M. PATEL, D. BHAVSAR, K. VASAVA
[IEEE Transactions on Applied Superconductivity, 26, 0602704, 2016](#)
45. Technology Developments toward ELM Coil Manufacturing Appropriate for Tokamak
S. PRADHAN, M. GHATE, P. BRAHMBHATT, N. KUMAR, K. BHOPE, D. BHAVSAR, S. UDGATA, and M. PATEL
[IEEE Transactions on Applied Superconductivity, 26, 4203104, 2016](#)
46. Fluorescence Quenching of 8-Methyl Quinolinium: An Efficient Halide Indicator Mechanism
RANJANA RAUTELA, PRIYANKA ARORA, NEERAJ KUMAR JOSHI, SANJAY PANT, HEM CHANDRA JOSHI
47. [Journal of Molecular Liquids, 218, 632, 2016](#)
48. Comparative Study of Approaches to Assess Damage in Thermally Fatigued Cu-Cr-Zr Alloy
ARYA CHATTERJEE, R. MITRA, A.K. CHAKRABORTY, C. ROTTI, K. K. RAY
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49. Preliminary Design of Central Solenoid of SST-2 and Demo
U. PRASAD, R. SRINIVASAN, S. PRADHAN, A. N. SHARMA, V. MENON, C. DANANI, D. GARG, N. RASTOGI, S. KHIRWADKER, R. KUMAR, P. K. KAW, S. DESHPANDE
A. DAS and D. BORA
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50. Search for Transient Gravitational Waves in Coincidence with Short-Duration Radio Transients during 2007-2013
B P ABBOTT, G GAUR, M K GUPTA, Z KHAN, A K SRIVASTAVA, et al.
[Physical Review D - Particles, Fields, Gravitation and Cosmology, 93, 122008, 2016](#)
51. Penning Plasma Based Simultaneous Light Emission Source of Visible and VUV Lights
G. L. VYAS, R. PRAKASH, U. N. PAL, R. MANCHANDA, and N. HALDER
[Plasma Physics Reports, 42, 601, 2016](#)
52. Shear Flow Driven Instability in an Incompressible Dusty Plasma with a Density Dependent Viscosity
S. GARAI, D. BANERJEE, M. S. JANAKI, and N. CHAKRABARTI
[Indian Journal of Physics, 90, 717, 2016](#)
53. Scattering Chamber Facility for Double-Differential Cross-Section Measurement with 14 MeV DT Neutron Generator at IPR
P M PRAJAPATI , BHAWNA PANDEY, N C GUPTA, SURESH KUMAR, B K NAYAK, A SAXENA, S V SURYANARAYANA, S JAKHAR, SUDHIRSINH VALA, C V S RAO, T K BASU
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54. Fluorescence Quenching of 8-Methyl Quinolinium: An Efficient Halide Indicator Mechanism
RANJANA RAUTELA, PRIYANKA ARORA, NEERAJ KUMAR JOSHI, SANJAY PANT, and HEM CHANDRA JOSHI
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55. A New Approach to a Superconducting Joining Process for Carbon-Doped MgB₂ Conductor
DIPAK PATEL, MD SHAHRIAR AL HOSSAIN, MINORU MAEDA, MOHAMMED SHAHABUDDIN, EKREM YANMAZ, SUBRATA PRADHAN, MIKE TOMSIC, SEYONG CHOI, and JUNG HO KIM
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56. Modification on Graphite Due to Helium Ion Irradiation
N.J. DUTTA, S.R. MOHANTY and N. BUZARBARUAH
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57. Hydrogen Flux Measurements with Permeation Probes in Spherical Tokamak QUEST
A. KUZMIN, H. ZUSHI, I. TAKAGI, S.K. SHARMA, Y. HIROOKA, M. KOBAYASHI, M. SAKAMOTO, K. HANADA, T. ONCHI, Y. OYAMA, N. YOUSHIDA, K. NAKAMURA, B. FUJISAWA, H. IDEI, Y. NAGASHIMA, M. HASEGAWA, and K. MISHRA
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58. Formation of Nanostructures on HOPG Surface in Presence of Surfactant Atom during Low Energy Ion Irradiation
M. RANJAN, P. JOSHI, and S. MUKHERJEE
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59. Molecular Shear Heating and Vortex Dynamics in Thermostatted Two Dimensional Yukawa Liquids
AKANKSHA GUPTA, RAJARAMAN GANESH, and ASHWIN JOY
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60. A 5 KA Pulsed Power Supply For Inductive and Plasma Loads in Large Volume Plasma Device
P. K. SRIVASTAVA, S. K. SINGH, A. K. SANYASI, L. M. AWASTHI, and S. K. MATTOO
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61. Characterization of Transient Noise in Advanced LIGO Relevant to Gravitational Wave Signal GW150914
B P ABBOTT, G GAUR, M K GUPTA, Z KHAN, A K SRIVASTAVA, et al.
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62. Numerical Simulation of ^{60}Co -Gamma Irradiation Effects on Electrical Characteristics of N-Type FZ Silicon X-Ray Detectors
P. VIGNESHWARA RAJA, C.V.S. RAO, and N.V.L. NARASIMHA MURTY
Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with [Materials and Atoms](#), 379, 23, 2016
63. Monitoring Hydrogen Plasma Reduction of Oxides by Na D Lines
SARITA DAS, DEBI PRASAD DAS, PRIYANKA RAJPUT, JOYDEEP GHOSH, BHAGYADHAR BHOI, BARADA KANTA MISHRA
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64. Day Time Flight of Micrometeoroid in Upper Earth Atmosphere
SHIKHA MISRA and S. K. MISHRA
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65. Formation and Evolution of Vortices in a Collisional Strongly Coupled Dusty Plasma
SAYANEE JANA, DEBABRATA BANERJEE, and NIKHIL CHAKRABARTI
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66. Localization and Broadband Follow-Up of the Gravitational-Wave Transient GW150914
B. P. ABBOTT, R. ABBOTT, T.D.ABBOTT, M.R.ABERNATHY, F. ACERNESE, K. ACKLEY, C. ADAMS, T. ADAMS, P. ADDESSO, R. X. ADHIKARI

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67. Rotational Dynamics in Ionic Liquids from NMR Relaxation Experiments and Simulations: Benzene and 1-Ethyl-3-Methylimidazolium
CHRISTOPHER A. RUMBLE, ANNE KAINZ, SHARAD K. YADAV, BRIAN CONWAY, JUAN C. ARAQUE, GARY A. BAKER, CLAUDIO MARGULIS, and MARK MARONCELLI
[Journal of Physical Chemistry B, 120, 9450, 2016](#)
68. Measurement of Ion Species Produced Due to Bombardment of 450 eV N₂⁺ Ions with Hydrocarbons-Covered Surface of Tungsten: Formation of Tungsten Nitride
S. KUMAR, P. BHATT, A. KUMAR, B.K. SINGH, B. SINGH, S. PRAJAPATI, and R. SHANKER
Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with [Materials and Atoms, 380, 50, 2016](#)
69. Experimental Investigation of Flow Induced Dust Acoustic Shock Waves in Complex Plasma
S. JAISWAL, P. BANDYOPADHYAY and A. SEN
[Physics of Plasmas, 23, 083701, 2016](#)
70. Propagation Characteristics of Dust-Acoustic Waves in Presence of a Floating Cylindrical Object in the DC Discharge Plasma
MANGILAL CHOUDHARY, S. MUKHERJEE and P. BANDYOPADHYAY
[Physics of Plasmas, 23, 083705, 2016](#)
71. Observation of an Edge Coherent Mode and Poloidal Flow in the Electron Cyclotron Wave Induced High β_p Plasma in QUEST
SANTANU BANERJEE, H. ZUSHI, N. NISHINO, K. MISHRA, Y. MAHIRA, S. TASHIMA, A. EJIRI, T. YAMAGUCHI, T. ONCHI, Y. NAGASHIMA, K. HANADA, K. NAKAMURA, H. IDEI, M. HASEGAWA, A. FUJISAWA, A. KUZMIN and K. MATSUOKA
[Physics of Plasmas, 23, 082507, 2016](#)
72. Relativistic Electron Beam Driven Longitudinal Wake-Wave Breaking in a Cold Plasma
RATAN KUMAR BERA, ARGHYA MUKHERJEE, SUDIP SENGUPTA, and AMITA DAS
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73. Particle-in-Cell Simulation of Two-Dimensional Electron Velocity Shear Driven Instability in Relativistic Domain
CHANDRASEKHAR SHUKLA, AMITA DAS and KARTIK PATEL
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74. Comprehensive All-Sky Search for Periodic Gravitational Waves in the Sixth Science Run LIGO Data
B. P. ABBOTT, A. DASGUPTA, G. GAUR, M. K. GUPTA, Z. KHAN, R. KUMAR, A. K. SRIVASTAVA, S. SUNIL, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
[Physical Review D, 94, 042002, 2016](#)
75. A Dynamical Framework to Relate Perceptual Variability with Multisensory Information Processing
BHUMIKA THAKUR, ABHISHEK MUKHERJEE, ABHIJIT SEN and ARPAN BANERJEE
[Scientific Reports, 6, 31280, 2016](#)
76. Directly Comparing GW150914 with Numerical Solutions of Einstein's Equations for Binary Black Hole Coalescence
B. P. ABBOTT, A. DASGUPTA, G. GAUR, M. K. GUPTA, Z. KHAN, R. KUMAR, A. K. SRIVASTAVA, S. SUNIL, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
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77. Phase Mixing of Relativistically Intense Longitudinal Wave Packets in Cold Plasma
ARGHYA MUKHERJEE and SUDIP SENGUPTA
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78. Role of Neutral Gas in Scrape-Off Layer of Tokamak Plasma in the Presence of Finite Electron Temperature and its Gradient
N. BISAI and P. K. KAW
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79. BN/BNSiO₂ Sputtering Yield Shape Profiles under Stationary Plasma Thruster Operating Conditions
M. RANJAN, A. SHARMA, A. VAID, T. BHATT, V. NANDALAN, M. G. JAMES, H. REVATHI and S. MUKHERJEE
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80. Study of MHD Activities in the Plasma of SST-1
JASRAJ DHONGDE, MANISHA BHANDARKAR, SUBRATA PRADHAN, and SAMEER KUMAR
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81. Low Energy Electron Catalyst: The Electronic Origin of Catalytic Strategies
DALY DAVIS and Y. SAJEEV
[Physical Chemistry Chemical Physics, 18, 27715, 2016](#)

82. Influence of Electron-Neutral Elastic Collisions on the Instability of an Ion-Contaminated Cylindrical Electron Cloud: 2D3V PIC-With-MCC Simulations
M. SENGUPTA and R. GANESH
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83. One Dimensional PIC Simulation of Relativistic Buneman Instability
ROOPENDRA SINGH RAJAWAT and SUDIP SENGUPTA
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84. Effect of Magnetic Field Topology on Quasi-Stationary Equilibrium, Fluctuations and Flows in a Simple Toroidal Device
UMESH KUMAR, SHEKAR G THATIPAMULA, R. GANESH, Y. C. SAXENA and D. RAJU
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85. Fore-Wake Excitations from Moving Charged Objects in Complex Plasma
SANAT KUMAR TIWARI and ABHIJIT SEN
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86. Developmental Aspects of Microwave-Plasma Interaction Experiments: Phase-1
V. P. ANITHA, PRIYAVANDANA J. RATHOD, RAJ SINGH, D. V. GIRI
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87. Microstructure and Wear Behaviour of Pulsed Plasma Nitrided AISI H13 Tool Steel
K. DAS, A. JOSEPH, M. GHOSH and S. MUKHERJEE
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88. Manifestation of Anharmonic Resonance in the Interaction of Intense Ultrashort Laser Pulses with Microstructured Targets
MALAY DALUI, M. KUNDU, T. MADHU TRIVIKRAM, KRISHANU RAY and M. KRISHNAMURTHY
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89. Adhesion Characteristics on Anodized Titanium and its Durability under Aggressive Environments
S. AHMED, D. CHAKRABARTY, S. MUKHERJEE, S. BHOWMIK
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90. Studies of Acoustic Emission Signatures for Quality Assurance of SS 316L Welded Samples under Dynamic Load Conditions
S.V. RANGANAYAKULU, M.N.V.S. RAVI KIRAN, J. SHIVA RAJU, B. RAMESH KUMAR
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91. Long-Time Evolution of Low Pressure Laboratory Plasma After Application of Transient High Voltage Positive Pulses
M. CHOUDHARY, S. KAR, S.MUKHERJEE
[Contributions to Plasma Physics, 56, 878, 2016](#)
92. Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model
B. P. ABBOTT, A. DASGUPTA, G. GAUR, M. K. GUPTA, Z. KHAN, R. KUMAR, A. K. SRIVASTAVA, S. SUNIL, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
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93. Binary Black Hole Mergers in the First Advanced LIGO Observing Run
B. P. ABBOTT, A. DASGUPTA, G. GAUR, M. K. GUPTA, Z. KHAN, R. KUMAR, A. K. SRIVASTAVA, S. SUNIL, et al. (LIGO Scientific Collaboration and Virgo Collaboration)
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94. Numerical Modeling of First Experiments on PbLi MHD Flows in a Rectangular Duct with Foam-Based SiC Flow Channel Insert
S. SMOLENTSEV, C. COURTESSOLE, M. ABDOU, S. SHARAFAT, S. SAHU, and T. SKETCHLEY
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95. Enhancing Detection Sensitivity of SST-1 Thomson Scattering Experiment
VISHNU CHAUDHARI, KIRAN PATEL, JINTO THOMAS, and AJAI KUMAR
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