

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर/ Institute for Plasma Research, Gandhinagar
शोध प्रतिवेदन, जून 2025/ Research Reports, June 2025`

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1	Tulchhi Ram	The role of nonlinear absorption of an ECR beam for fusion plasma pre-ionization	IPR/RR-1766/2025
2	Rosh Roy	An experimental study of the Rayleigh-Taylor and Kelvin-Helmholtz instabilities and their nonlinear interactions in a linear magnetized plasma column	IPR/RR-1767/2025
3	Jagabandhu Kumar	Predictive analysis of EC wave propagation and absorption in the ADITYA-U tokamak	IPR/RR-1768/2025
4	Depanshu Varshney	Indium Tin Oxide Nanoparticles as Modulators of Dielectric Response in Ferroelectric Liquid Crystals for Electric Field Sensing Applications	IPR/RR-1769/2025
5	Jagabandhu Kumar	Non-inductive current drive at zero loop voltage using LHCD PAM launcher on ADITYA-U	IPR/RR-1770/2025
6	Krishnamayee Bhoi	Magneto-electric Multiferroic Composites: An Overview of the Coupling Mechanisms, Applications and Future Directions	IPR/RR-1771/2025
7	Sagar Agrawal	Effect of sulfurization pressure on secondary phase formation and grain size of CZTS thin film	IPR/RR-1772/2025
8	Samiran Mukherjee	Design and development of LN2 cooled large size (1250 mm dia.) cryopump for applications in space and fusion research	IPR/RR-1773/2025

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1	Maulik Panchal	Development and testing of a sample holder for anisotropic thermal conductivity analysis of compressed ceramic pebble beds	IPR/TR-869/2025
2	Harshida Patel	Development and validation of prototype DAC using SBC	IPR/TR-870/2025
3	Himabindu M.	Analytical solutions to the Grad-shafranov equation for circular and elongated equilibrium configurations	IPR/TR-871/2025
4	Aditya Kumar Verma	Engineering Design of Multi Stacked Central Solenoid for Spherical Tokamak	IPR/TR-872/2025
5	Dinesh Kumar Sharma	Enhancing voltage of SST-1 poloidal field power supplies for ohmic discharge inductive coupling	IPR/TR-873/2025