

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर/ Institute for Plasma Research, Gandhinagar

शोध प्रतिवेदन, अगस्त 2024/ Research Reports, August 2024

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1	Lalit Mohan Awasthi	Transition of Large Volume Plasma Device (LVPD) to LVPD-Upgrade	IPR/RR-1673/Aug 2024
2	Jugal Chowdhury	Aerodynamic Drag Reduction Studies in The Presence of Dielectric Barrier Discharge Plasma	IPR/RR-1674/Aug 2024
3	Ruchi Mishra	Reactive Molecular Dynamics simulation of the carbendazim degradation induced by reactive oxygen plasma species	IPR/RR-1675/Aug 2024
4	Manisha Jha	Design and Performance analysis of Reconfigurable Corner Reflector Antenna with Plasma Reflectors	IPR/RR-1676/Aug 2024
5	G. Jhala	Comparison of Plasma nitriding and Plasma carburizing process on spur gear	IPR/RR-1677/Aug 2024
6	P. K. Sharma	RF Technologies for klystron based Lower Hybrid Current Drive (LHCD) system at IPR	IPR/RR-1678/Aug 2024
7	Aditya Naugraiya	Electrostatic Field Analysis of High-Voltage Transmission Line for Neutral Beam Injectors	IPR/RR-1679/Aug 2024
8	Vikas Rathore	Green pathway of Urea Synthesis through Plasma-Ice Interaction: Optimization and Mechanistic Insights with N ₂ + CO ₂ and NH ₃ + CO ₂ Gas Mixtures	IPR/RR-1680/Aug 2024
9	Rohit Kumar	Installation, thermal curing, qualification testing of divertor and position control coils in ADITYA-U tokamak	IPR/RR-1681/Aug 2024
10	Vyom Desai	Al ₇₀ Si ₃₀ / Ti ₃ AlC ₂ MAX-phase surface composite generated by friction stir processing: microstructure, microhardness, and tribological characteristics	IPR/RR-1682/Aug 2024

तकनीकी प्रतिवेदन, अगस्त 2024/ Technical Reports, August 2024

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1	Aritra Chakraborty	Power Balance in Tokamak Fusion Reactor	IPR/TR-812/Aug 2024
2	Varsha Siju	Design and Characterization of multi-channel Receiver system	IPR/TR-813/Aug 2024
3	Abhishek Sinha	Design, Development and Characterization of Indigenously Developed High Temperature Black Body Source for Calibration of ECE Diagnostics	IPR/TR-814/Aug 2024
4	Rana Pratap Yadav	Real-time UAV Detection through RF Signal Analysis and Machine Learning	IPR/TR-815/Aug 2024
5	Supriya Nair	Simulation and Analysis of Nanosecond Pulse Electric Field Generator for Valorization of Food Waste	IPR/TR-816/Aug 2024
6	Kumar Saurabh	Simulation Analysis of 1500kW, 600V Thyristor Controlled Rectifier	IPR/TR-817/Aug 2024