

Poster List



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P01	Bethkenhagen Mandy	DFT+U equation of state for iron oxide
P02	Bystryi Roman	Electron emission from laser produced nanoplasma
P03	Caillabet Laurent	Improvement of the EoS of Hydrogen and its isotopes based on reflectivity measurements.
P04	Calisti Annette	Study of microfield statistical properties by using multi-component plasma Molecular Dynamics simulation.
P05	Fedorov Ilya	Wave packet molecular dynamics study of the plasma phase transition in warm dense hydrogen
P06	Valuev Ilya	Account for bound states in atomistic plasma model using split-WPMD method
P07	Jaupart Etienne	Crystallization of a quantum plasma at finite temperature
P08	Li Yongqiang	Ultrafast dynamics of complex atoms induced by coherent laser
P09	Moldabekov Zhandos	Structural Properties of strongly coupled ions in quantum plasmas
P10	Pierleoni Carlo	Electron Localization properties across the liquid-liquid phase transition in dense hydrogen.
P11	Rykounov Alexey	Equation of state of styrene at high pressures and temperatures
P12	Smirnov Nikolai	Thermodynamic properties of tantalum under non-equilibrium heating from first-principles calculations
P13	Wang Xiaowei	Dynamic structure factor using electron force field in lithium
P14	Inogamov Nail	Action of ultrashort laser pulse on tantalum: physical model of tantalum, simulations, and experiments
P15	Mukhamedryskyzy Marzhan	For the application of vacuum-arc units in nanoengineering
P16	Apfelbaum Evgeny	The calculations of thermophysical properties of Pb plasma
P17	Ismagambetova Tomiris	Structural and thermodynamic properties of dense non-isothermal plasma
P18	Kadatskiy Maxim	Influence of shell effects on relative compressibility in strong shock waves
P19	Khishchenko Konstantin	Equation of state for zinc at high energy densities
P20	Lavrinenko Yaroslav	DFT-WPMD method for nonideal plasma and WDM simulations.
P21	Soubiran Francois	Path Integral Monte Carlo and Density Functional Molecular Dynamics Simulations of Warm Dense Plastic, Oxygen, Sodium, and Aluminum
P22	Tahir Naeem	Equation of state studies of High Energy Density Matter using intense ion beams at the FAIR facility at Darmstadt
P23	Vorobyeva Marina	Thermodynamic properties of C-N-O-H mixture in the region of non-ideal plasma
P24	Mikikian Maxime	Absorption and fluorescence spectroscopy of a nanoDP
P25	Brault Pascal	Simulation of a magnetron discharge using CFD

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P30	Gericke Dirk	Band Occupation and Optical Response of Gold far from Equilibrium
P31	Dzhumagulova Karlygash	Electrical conductivity of the dense nonideal plasma on the basis of the effective potential
P32	Karakhtanov Valery	First Born approximation in plasma transport properties description
P33	White Alexander	Transport Properties of Asymmetric Mixtures
P34	Khrapak Sergey	Influence of a charge-gradient force on dust acoustic waves.
P35	Kozhberov Andrew	Coulomb crystals with polarized electron background
P36	Orekhov Nikita	Electron-ion relaxation in Al nanoparticles: non-adiabatic wave packet molecular dynamics
P37	Karasev Viktor	Surface modification of MF-R particles in a stratified glow discharge in neon
P38	Kartasheva Alexandra	Nonlinear vertical oscillations of a single dust particle in a stratified glow discharge
P39	Kartasheva Alexandra	The vibrational properties of the dust trap created in standing striation
P40	Kodanova Sandugash	Transport coefficients of Dense Helium Plasmas
P41	Kodanova Sandugash	The effect of pulsed RF discharge on complex plasma parameters
P42	Mikikian Maxime	Nanoparticle formation from thin film sputtering: A complex dust cloud structure
P43	Kurbanov Farhad	Thermodynamic approach to dust particles charge in plasmas
P44	Ouazene Mohamed	Effect of non-thermal and trapped ions on dust acoustic waves
P45	Pavlov Sergei	Observation of the dynamics of the dust structure formed in a dust trap in a double electric layer in a magnetic field up to 10000G
P46	Pavlov Sergei	Dust plasma in the stratified discharge in moderate magnetic field
P47	Ramazanov Tlekkabul	The charging of dust particles in ionospheric plasma with non-Maxwellian electrons
P48	Rubin-Zuzic Milenko	Brownian-like motion of a single dust grain in a radio-frequency plasma discharge - comparison of experiments and simulation
P49	Sukhinin Gennadiy	The influence of dust particle geometry on its charge and plasma potential.
P50	Yerimbetova Lazzat	Isothermal compressibility of strongly coupled dust component with varying grain charge
P51	Sadykova Saltanat	The electric field of an electron in a electron-hole plasma with degenerate electrons. Formation of a superconductivity state