

Transport-property And Mass Spectral Measurements In The Plasma Exhaust Plume Of A Hall-effect Space Propulsion System

Lyon Bradley King

batch-fabricated mems retarding potential analyzer for high . King, L.B., "Transport Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall Effect Space. Propulsion System", Ph.D. Dissertation, Transport-property And Mass Spectral Measurements In The Plasma . Hall Effect Thruster Electrical Interaction with a . - Mitchell Walker numerical rebuilding of smart-1 plasma plume-spacecraft interaction CONVERGENCE AND DEFLECTION OF A HALL THRUSTER PLUME . However, their high plume divergence has been an adverse effect to be taken .. [1] – L.B.King, Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall- effect space propulsion system, University of Michigan, 1998. Single particle simulations of electron transport in the near-field of . Lyon Bradley King, Ph.D. Thesis, Transport-property and Mass Spectral Measurements in the Plasma exhaust Plume of a Hall-Effect Space Propulsion system Design of the Retarding Potential Analyzer to be used with BURFIT . 4 Electric Propulsion Architect, Lockheed Martin Space Systems Company; vadim.khayms@lmco.com. . properties and cathode coupling as a function of cathode position relative to the absent off-centerline .. [32] L. B. King, "Transport-Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall- 3-D Computation of Plasma Thruster Plumes - ESA Nov 4, 2005 . 10. King, L.B., "Transport Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall Effect Space. Propulsion System" Transport-Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall-Effect Space Propulsion System, Doctoral dissertation (1998) . Electric Propulsion for a reusable Space Cargo Director, Space Systems Research Group . Space Propulsion; Plasma Physics; Optical Fluid Diagnostics analysis and time-of-flight mass spectrometry; Doppler laser cooling of trapped ions King, L. B., Gallimore, A. D., and Marrese, C. M., Transport-property Measurements in the Plume of an SPT-100 Hall-effect Efficiency Analysis of a High-Specific Impulse Hall . - iBrarian.net Transport-property And Mass Spectral Measurements In. The Plasma Exhaust Plume Of A Hall-effect Space. Propulsion System by Lyon Bradley King. Hello! 2015-247 King, L.B., "Transport-property and Mass. Spectral Measurements in the Plasma Exhaust. Plume of a Hall-effect Space Propulsion. System," Ph.D. Dissertation, Number Density Distributions of Xenon Atom in Hall Thruster Plumes Hopkins, M.A. and King, L.B. Magnesium Hall Thruster with Active Thermal . in the Plasma Exhaust Plume of a Hall Thruster , Journal of Propulsion and Power, Vol. Transport Property Measurements in the Plume of an SPT-100 Hall-effect Mass Flow Control System for Condensable Propellant Hall-effect Thrusters, Ion Species Fractions in the Far-Field Plume of a High-Specific . Title: Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system. Authors: King, Lyon Bradley. Transport-Property and Mass Spectral Measurements in the Plasma . [5] L.B, King, "Transport-Property and Mass. Spectral Measurements in the Plasma Exhaust. Plume of a Hall-Effect Space Propulsion. System," Dissertation L. Brad King The Enterprise Program @ Michigan Tech ion and electron transport properties must be defined in terms . is the ion mass [3]. Equation (1) indicates only measure the ion energy distribution as if the plasma is .. 31–44. [3] King, L. B., "Transport-Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall-Effect Space Propulsion System," ?IEPC-2013-059 - 33rd International Electric Propulsion Conference Oct 10, 2013 . King, Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system, Ph.D. Thesis, Micropropulsion for Small Spacecraft - Google Books Result Results 1 - 13 of 13 . Transport-property And Mass Spectral Measurements In The Plasma Exhaust Plume Of A Hall-effect Space Propulsion System by Lyon Transport-property and mass spectral measurements in the plasma . TERRESTRIAL MEASUREMENTS OF ION THRUSTERS. Julia Durasa,?, Oleksander Kalenteva, ions generated in the plasma plume downstream the thruster exit. .. Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system. Ph.D. thesis,. University of Formats and Editions of Transport-property and mass spectral . Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system. Experimental investigations of plasma parameters and species-dependent ion energy distribution in the plasma Welcome to Michigan Tech's Ion Space Propulsion Lab - Publications ?! I ^- NASA/TM— 2002-211214 AIAA-2001-3322 A Hall Thruster Performance . King, L.B., Transport-property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall-effect Space Propulsion System, Ph.D. Dissertation, Transport-property And Mass Spectral Measurements In The Plasma Exhaust Plume Of A Hall-effect Space Propulsion System. Full Title: Transport-property And Effect of External Cathode Azimuthal Position on Hall-Effect Thruster . May 13, 1998 . IN THE PLASMA EXHAUST PLUME OF A. HALL-EFFECT SPACE PROPULSION SYSTEYM by of the Space Systems/Loral company. Experimental investigations of plasma. - Hathitrust Digital Library Transport-property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system. by Lyon Bradley King. ExB Measurements of a 200 W Xenon Hall Thruster Jan 12, 2010 . King L B 1998 Transport property and mass spectral measurements in the plasma exhaust plume of a Hall-effect space propulsion system PhD Download this PDF file +--mass spectral measurements +--orbit transfer . +--plasma exhaust plume of a hall thruster A Comparison Of Electric Propulsion Systems For Mars Exploration Advanced Hall Electric Propulsion For Future In-space Transportation. (2001).

Analysis Of Hall-effect Thrusters And Ion Engines For Orbit Transfer Missions. Laser-induced fluorescence measurements of velocity within a Hall . Mar 30, 2015 . The T-220HT Hall-effect thruster was tested with the external plume measurements, and 2)in the plane of plume measurements. Article: TRANSPORT-PROPERTY AND MASS SPECTRAL MEASUREMENTS IN THE PLASMA EXHAUST PLUME OF A HALL-EFFECT SPACE PROPULSION SYSTEM. 0591944545 Transport-property And Mass Spectral Measurements . Laser absorption spectroscopy was applied to a magnetic layer type hall . the interactions between the plume of the thruster and the host spacecraft distributions of xenon atom were measured in two different ambient pressure .. A. D., "Ion-Energy Diagnostics in the Plasma Exhaust Plume of a Hall Thruster," Journal of. Transport-property And Mass Spectral Measurements In The Plasma . Scr. 36, 602 (1987). 23. L.B. King: Transport-Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall-Effect Space Propulsion System. Retarding Potential Analyzer Design and Result Analysis for Ion . View Paper 8 King L.B. Transport-property and mass spectral measurements in the plasma exhaust plume of a hall-effect space propulsion system: Ph.D.Dissertation, Transport-Property and Mass Spectral Measurements in the Plasma . FOR HIGH-ACCURACY ION ENERGY MEASUREMENTS. E. V. Heubel* and L. F. plasma measurements; the thick electrodes also make our ion energy .. REFERENCES. [1] L. B. King, "Transport-Property and Mass Spectral. Measurements in the Plasma Exhaust Plume of a. Hall-Effect Space Propulsion System," Ph.D. Full text of A Hall Thruster Performance Model Incorporating the . Jul 11, 2007 . 13King, L.B., "Transport Property and Mass Spectral Measurements in the Plasma Exhaust Plume of a Hall-effect Space. Propulsion System