

2013年度 宇宙環境研究グループ国際会議講演

“Hyperthermal atomic oxygen beam irradiation effect on the Ti-containing DLC film”, Kazuhiro Kanda, Kazuhiro Fukuda, Ryo Imai, Masahito Niibe, Sinya Fujimoto, Kumiko Yokota, Masahito Tagawa, the 2013 New Diamond and Nanocarbon Conference, Singapore, May 19-23, 2013.

“Impact of high-energy collision of inert gas on the material degradation in space environment - Erosion properties in the hyperthermal multiple composition beams-”, Masahito Tagawa, Takashi Ohyabu, Shigeru Yasuda, Kumiko Yokota, Akio Okamoto, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“Impact of high-energy collision of inert gas on the material degradation in space environment - Comparison of the ground-based data and MISSE-2 analysis-”, Kumiko Yokota, Takashi Ohyabu, Shigeru Yasuda, Masahito Tagawa, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“A ground-based simulation study for FEP erosion on the SLATS/MDM mission,” Shinji Fujimoto, Shigeru Yasuda, Daiki Watanabe, Kumiko Yokota, Masahito Tagawa, Yugo Kimoto, Junichiro Ishizawa, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“Microwave plasma simulation for the development of air breathing ion engine,” Takahito Motoyama, Hideyuki Usui, Yohei Miyake, Kumiko Yokota, Masahito Tagawa, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“Sub-low Earth orbit neutral gas environment simulation using laser detonation beam source”, Takashi Ohyabu, Shigeru Yasuda, Masahito Tagawa, Kumiko Yokota, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“Synergistic effect of atomic oxygen and vacuum ultraviolet on polymeric materials at various temperatures”, Yosuke Ushioda, Takaho Tsuboi, Kenta Ide, Masahito Tagawa, Kumiko Yokota, Akio Okamoto, The 29th International Space Technology and Sciences, Nagoya, June 2-9, 2013.

“Microwave Plasma Simulation for the Development of Air Breathing Ion Engine”, Takahito Motoyama, Hideyuki Usui, Yohei Miyake, Akihiko Hashimoto, Masahito Tagawa, Kumiko Yokota, The 11th International School/Symposium for Space Simulations, Taiwan, R.O.C., July 21-28 (2013).

“Use of laser-induced plasmas for gas-surface interaction studies on Earth observation satellites”, Masahito Tagawa, Kumiko Yokota, International Conference on Research and Applications of Plasmas Warsaw, Poland, September 2-6, 2013

“An attempt to form multiple-composition hyperthermal atomic beams by a laser- induced plasma for planetary environmental studies”, Kumiko Yokota, Daiki Watanabe, Junki Ohira, Takashi Ohyabu, Masahito Tagawa, International Conference on Research and Applications of Plasmas Warsaw, Poland, September 2-6, 2013

“Influence of 5 eV collision of O-atoms on material erosions in low earth orbit space environment”, Masahito Tagawa, Kumiko Yokota, 19th International Vacuum Congress, Paris, September 9-13, 2013.

“Influence of 9 eV collision of chemically inert molecules on fluorinated polymer erosion in sub-low earth orbit”, Kumiko Yokota, Masahito Tagawa, 19th International Vacuum Congress, Paris, September 9-13, 2013.

“A Synchrotron Radiation Photoelectron Spectroscopic Study on the Oxidation Reaction of Si by O-atom with Collision Energies between 2 to 9 eV”, Kumiko Yokota, Masahito Tagawa, Akitaka Yoshigoe and Yuden Teraoka, PSA-13, Okinawa, November 10-15 (2013).