

2012年度 宇宙環境研究グループ国際会議講演

“Origin of fluoropolymer erosion in low earth orbit space environment”, Masahito Tagawa, Kazuhiro Kishida, Akira Mizutani, Takashi Ohyabu, Kumiko Yokota, Akio Okamoto, 12th Spacecraft Charging Technology Conference, Kita-Kyushu, May 14-18, 2012.

“Temperature effect on synergistic erosion of polyimide under simultaneous exposure conditions of atomic oxygen and vacuum ultraviolet”, Takaho Tsuboi, Yosuke Ushioda, Kumiko Yokota, Masahito Tagawa, Akio Okamoto, 12th Spacecraft Charging Technology Conference, Kita-Kyushu, May 14-18, 2012.

“Importance of beam-surface interactions on long-term missions of spacecraft in low planetary altitudes”, Masahito Tagawa, Kumiko Yokota, JVC-14 / EVC-12 / AMDVG-11 / CroSloVM-19, Dubrovnik, Croatia, June 4-8, 2012.

“Formation of hyperthermal multiple composition beams for space environmental simulation in super low earth orbit”, Kumiko Yokota, Akira Mizutani, Shigeru Yasuda, Masahito Tagawa, JVC-14 / EVC-12 / AMDVG-11 / CroSloVM-19, Dubrovnik, Croatia, June 4-8, 2012.

“Formation of multiple-composition beam for super-LEO space environmental simulation”, Masahito Tagawa, Akira Mizutani, Shigeru Yasuda, Kumiko Yokota, 12th International Symposium on Materials in Space Environment, Noordwijk, The Netherlands, September 24-28, 2012.

“Use of one-side silver-coated FEP on SALTS/MDM mission for mechanistic study of fluoropolymer erosion in LEO”, Kumiko Yokota, Shigeru Yasuda, Masahito Tagawa, Kazuhiro Aoyama, Eiji Miyazaki, Yugo Kimoto, 12th International Symposium on Materials in Space Environment, Noordwijk, The Netherlands, September 24-28, 2012.

“Flight evaluation program on survivability of FEP in super-low earth orbit environment”, Kumiko Yokota, Masahito Tagawa, Kazuhiro Aoyama, Eiji Miyazaki, Yugo Kimoto, 64th International Astronautical Congress, Napoli, Italy, October 1-5, 2012.

“Numerical Simulation of Microwave Plasma in Air Breathing Ion Engine”, Takahito Motoyama, Hideyuki Usui, Yohei Miyake, Akihiko Hashimoto, Masahito Tagawa, Kumiko Yokota, International Conference on Simulation Technology 2012, Kobe Japan, September 27-28, 2012.