

2007年度 宇宙環境研究グループ原著論文

"Comparison of polyethylene and polyimide as a fluence monitor of atomic oxygen", Yokota K., Tagawa M., J. Spacecraft and Rockets, Vol.44, No.2 (2007) pp.434-438.

"Space environmental effects on MoS₂ and diamond-like carbon lubricating films -atomic oxygen-induced erosion-", M. Tagawa, K. Yokota, K. Matsumoto, M. Suzuki, Y. Teraoka, A. Kitamura, M. Belin, J. Fontaine, J-M. Martin, Surface and Coating Technology, Vol.202 (2007) pp.1003-1010.

"低軌道宇宙環境下での材料曝露試験高度化のための原子状酸素収束化技術の開発", 田川雅人, 横田久美子, 日本マイクロICMグラビティ応用学会誌, Vol.24, No.2 (2007) 188-193.

"Direct insertion of oxygen atoms into the backbonds of surface Si atoms using translational energies of oxygen atom beams", M. Tagawa, K. Yokota, S. Tsumamoto, C. Sogo, A. Yoshigoe, Y. Teraoka, Applied Physics Letters, Vol.91 (2007) 033504.

"Atomic beam-induced fluorination of polyimide and its application to site-selective Cu metallization", M. Tagawa, K. Maeda, T. Kajita, K. Yokota, K. Akamatsu, H. Nawafune, Langmuir, Vol.23, No.23 2007, pp.11351-11354.