

2020

1. J. Matsuo

"Ambient SIMS with Swift Heavy Ions"

The 17th International Conference on Nuclear Microprobe Technology and Applications (ICNMTA2020)

(Online 2020.09.15) Invited

2019

1. T. Seki, T. Nonomura, T. Aoki, J. Matsuo

"Ambient Secondary Ion Mass Analysis of Electrolyte of Lithium Ion Battery with MeV-Energy Heavy Ion"

23rd International Workshop on Inelastic Ion-Surface Collisions (IISC-23)

(KUNIBIKI MESSE, Shimane, Japan 2019.11.20) Poster

2. T. Matsuda, T. Seki, T. Aoki, J. Matsuo

"Etching by Massive Cluster Ions from Electrospray Ion Source"

23rd International Workshop on Inelastic Ion-Surface Collisions (IISC-23)

(KUNIBIKI MESSE, Shimane, Japan 2019.11.20) Poster

3. T. Seki

"MeV-SIMS Measurements under Ambient and Humid Conditions"

The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)

(Miyako Messe, Kyoto, Japan 2019.10.25) Invited

4. K. Hirata, T. Seki, T. Aoki, J. Matsuo

"Development of a high energy cluster SIMS system with 50keV GCIB source "

The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)

(Miyako Messe, Kyoto, Japan 2019.10.23) Poster

5. T. Nonomura, T. Seki, T. Aoki, J. Matsuo

"MeV-SIMS Measurement of Electrolyte of Lithium Ion Battery"

The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)

(Miyako Messe, Kyoto, Japan 2019.10.23) Poster

6. T. Matsuda, T. Seki, T. Aoki, J. Matsuo
"Enhancement of ionization probability of Polymers with cation deposition method"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.23) Poster
7. R. Oki, N. Sano, T. Seki, T. Aoki, J. Matsuo
"Angular Distribution of Neutral Species from Rhodamine 6G Sputtered with Cluster Ion Bombardment"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.23) Poster
8. H. Gnaser, R. Oki, T. Aoki, T. Seki and J. Matsuo
"Optimized alkali-metal cationization in secondary ion mass spectrometry of polyethylene glycol oligomers with up to m/z 10000: Dependence on cation species and concentration"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.22) Oral
9. M. Fujii, Y. Ishii, E. Hasegawa, R. Shishido and J. Matsuo
"Study on ionization process and quantitative analysis of organic molecules with cluster ion beam irradiation"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.22) Oral
10. N. Sano, R. Oki and J. Matsuo
"To be fragmented or not to be, that is the question in organic sputtering"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.22) Oral
11. T. Matsuda, T. Seki, T. Aoki, J. Matsuo
"Generation of massive cluster ions with electrospray ion source"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.21) Poster
12. Y. Ishii, R. Shishido, J. Matsuo and M. Fujii
"Effects of organic acid on polymer ionization process with various cluster ion beam irradiation"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.21) Poster
13. N. Sano, T. Hashimoto and J. Matsuo
"Ionisation behaviours of high affinity molecules on the silk fibroin substrate using Ar GCIB"
The 22st International Conference on Secondary Ion Mass Spectrometry (SIMS22)
(Miyako Messe, Kyoto, Japan 2019.10.21) Poster
14. J. Matsuo, S. Toshio, A. Takaaki
"OBSERVATION OF LIQUID MOLECULES WITH AMBIENT SIMS USING SWIFT HEAVY IONS"

The 24th International Conference on Ion Beam Analysis (IBA24)

(the Palais des Congrès of Antibes, France 2019.10.15) Oral

15. J. Matsuo

“Sputtering of biomaterials with large cluster ion beams”

The 15th International Symposium on Sputtering & Plasma Processes (ISSP 2019)

(Kanazawa Institute of Technology, Kanazawa, Japan 2019.06.12) Invited