

2014

1. K. Karahashi, T. Seki, J. Matsuo, S. Hamaguchi
"Etching reactions of magnetic materials by CO cluster beams"
The 36th International Symposium on Dry Process (DPS2014) (PACIFICO YOKOHAMA, Yokohama, 2014/11/27)
2. J. Matsuo
"High Resolution Mass Imaging Technique with Fine Focused Ar Cluster Beam"
The 7th International Symposium on Surface Science (ISSS-7) (Kunibiki Messe, Matsue, 2014/11/6, Invited)
3. T. Satoh, M. Shima, H. Niimi, Y. Nakajima, M. Fujii, T. Seki and J. Matsuo
"Imaging mass spectrometry for the organic thin film using laser desorption ionization"
The 7th International Symposium on Surface Science (ISSS-7) (Kunibiki Messe, Matsue, 2014/11/4, Poster)
4. J. Matsuo, T. Seki, T. Aoki, M. Fujii
"Recent Progress in Cluster Beam -- from Semiconductor to Soft Materials"
The 19th International Conference on Ion Beam Modification of Materials (IBMM 2014) (Leuven, Belgium, 2014/9/17, Oral)
5. T. Satoh, M. Shima, H. Niimi, Y. Nakajima, M. Fujii, T. Seki, J. Matsuo
"Imaging mass spectrometry and depth profiling for organic thin films using laser desorption ionization"
18th International Microscopy Congress (IMC2014) (Prague, Czech Republic, 2014/9/10, Poster)
6. M. Fujii, S. Nakagawa, T. Seki, T. Aoki, J. Matsuo
"Highly Accurate Biological Analysis using Ar-GCIB SIMS with Chemical Assist Ionization"
The 15th IUMRS-International Conference in Asia (IUMRS-ICA 2014) (Fukuoka Univ., Fukuoka, 2014/8/25, Oral)
7. T. Aoki, T. Seki, J. Matsuo
"Molecular Dynamics Simulation of Gas Cluster Impact on Coner-shaped Target"
The 15th IUMRS-International Conference in Asia (IUMRS-ICA 2014) (Fukuoka Univ., Fukuoka, 2014/8/25, Oral)

8. J. Matsuo, M. Kusakari, M. Fujii, T. Seki and T. Aoki
"MeV-SIMS with swift heavy ions at low pressure"
14th International Conference on Nuclear Microprobe Technology and Applications (Padova, 2014/7/8, Invited)
9. J. Matsuo, S. Torii, K. Yamauchi, K. Wakamoto, M. Kusakari, S. Nakagawa, M. Fujii, T. Aoki and T. Seki
"High Resolution Imaging Mass with Focused Ar Cluster Beam"
The 16th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS16) (Hokkaido Univ., Sapporo, 2014/6/20, Oral)
10. R. Shishido, M. Fujii, T. Seki, T. Aoki, J. Matsuo and S. Suzuki
"Organic Materials Analysis Using Different Primary Bi Ions in TOF-SIMS"
The 16th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS16) (Hokkaido Univ., Sapporo, 2014/6/19, Poster)
11. M. Fujii, R. Shishido, S. Torii, S. Nakagawa, T. Seki, T. Aoki, S. Suzuki and J. Matsuo
"Highly Sensitive Lipid Analysis and Imaging Mass Spectrometry with Cluster SIMS Apparatus"
The 16th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS16) (Hokkaido Univ., Sapporo, 2014/6/19, Poster)
12. M. Fujii, S. Nakagawa, T. Seki, T. Aoki and J. Matsuo
"Possibilities and Limitations of Biological Analysis with novel Ar-GCIB SIMS Apparatus"
The 16th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS16) (Hokkaido Univ., Sapporo, 2014/6/19, Oral)
13. T. Satoh, M. Shima, H. Niimi, Y. Nakajima, M. Fujii, T. Seki, J. Matsuo, R. DiPasquale
"Imaging mass spectrometry and depth profiling for the organic thin film using laser desorption ionization"
62nd ASMS Conference on Mass Spectrometry and Allied Topics (Baltimore, 2014/6/16, Poster)
14. J. Matsuo
"MeV-SIMS: A new chemical imaging technique for organic materials"
The Conference on Application of Accelerators in Research and Industry (CAARI2014) (San Antonio, 2014/5/26, Invited)
15. M. Fujii, M. Kusakari, T. Seki, T. Aoki, J. Matsuo
"Possibilities and Limitations of MeV-SIMS for Biological Applications"
The Conference on Application of Accelerators in Research and Industry (CAARI2014) (San Antonio, 2014/5/26, Invited)
16. M. Fujii, S. Nakagawa, T. Seki, T. Aoki, J. Matsuo
"Lipid Compounds Analysis with Argon Gas Cluster Ion Beam Irradiation"
The Conference on Application of Accelerators in Research and Industry (CAARI2014) (San Antonio, 2014/5/26, Oral)

17. T. Aoki

"Study of multiple collision effects in cluster impact by molecular dynamics simulations"

The Conference on Application of Accelerators in Research and Industry (CAARI2014) (San Antonio, 2014/5/28, Invited)

18. J. Matsuo

"Current Progress and Future Prospects of Cluster Ion Beam Process Technology"

The Conference on Application of Accelerators in Research and Industry (CAARI2014) (San Antonio, 2014/5/28, Invited)

2013

1. J. Matsuo

"Secondary Ion Emission Under Large Cluster Ion Bombardment"

20th International Workshop on Inelastic Ion-Surface Collisions (South Australia, 2014/2/19, Invited)

2. J. Matsuo

"Secondary Ion Emission from Biological Materials and its Application to Bio-Imaging"

Symposium on Surface and Nano Science 2014 (Furano, 2014/1/17, Oral)

3. T. Seki, Y. Yoshino, T. Senoo, K. Koike, T. Aoki and J. Matsuo

"Si Etching with ClF₃ Neutral Cluster Beam from Multi-nozzle"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/10, Poster)

4. M. Kusakari, M. Fujii, T. Seki, T. Aoki, J. Matsuo

"Low Vacuum SIMS Measurement of Higher Alcohols with MeV-energy Heavy Ion Beam"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/10, Poster)

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

"Computer simulation of cluster impact on soft- and hard- material interface"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/10, Oral)

6. M. Fujii, M. Kusakari, T. Seki, T. Aoki and J. Matsuo

"Lipid Compounds Analysis with Swift Heavy Ion Beam for Biological Applications"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/10, Oral)

7. J. Matsuo

"Molecular Imaging of Biological Materials with Focused Cluster Ion Beams"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/9, Oral)

8. S. Nakagawa, M. Kusakari, M. Fujii, T. Seki, T. Aoki, J. Matsuo

"Depth analysis of organic material by SIMS, using gas cluster ion beam"

23rd Annual Meeting of MRS-J (Yokohama, 2013/12/9, Oral)

9. M. Suzuki, M. Nojima, M. Fujii, T. Seki and J. Matsuo
"Mass Analysis by Ar-GCIB-Dynamic SIMS for Organic Materials"
9th International Symposium on Atomic Level Characterizations for New Materials and Devices '13 (Hawaii, 2013/12/3, Poster)
10. M. Fujii, S. Nakagawa, T. Seki, T. Aoki and J. Matsuo
"Quantitative Analysis of Lipids with Ar Cluster Ion Beam"
9th International Symposium on Atomic Level Characterizations for New Materials and Devices '13 (Hawaii, 2013/12/3, Poster)
11. J. Matsuo
"Focused Massive Cluster Ion Beams for Mass Imaging of Biological Materials"
9th International Symposium on Atomic Level Characterizations for New Materials and Devices '13 (Hawaii, 2013/12/2, Invited)
12. T. Seki, M. Fujii, S. Nakagawa, T. Aoki and J. Matsuo
"Ambient Analysis with Wet-SIMS"
9th International Symposium on Atomic Level Characterizations for New Materials and Devices '13 (Hawaii, 2013/12/2, Oral)
13. M. Fujii, M. Kusakari, T. Seki, T. Aoki and J. Matsuo
"Lipid Compounds Analysis with MeV-SIMS Apparatus for Biological Applications"
2nd Workshop on Strategic Japanese-Croatian Cooperative Program (Nara, 2013/11/15, Oral)
14. T. Aoki
"Introduction to computer simulation programs for atomic collision"
2nd Workshop on Strategic Japanese-Croatian Cooperative Program (Nara, 2013/11/14, Oral)
15. T. Seki, M. Fujii, M. Kusakari¹, S. Nakagawa, T. Aoki and J. Matsuo
"Analysis of liquid materials with Wet-SIMS"
2nd Workshop on Strategic Japanese-Croatian Cooperative Program (Nara, 2013/11/14, Oral)
16. S. Nakagawa, M. Fujii, T. Aoki, T. Seki and J. Matsuo
"Mass Imaging of Biological Samples with Focused Massive Ar Cluster Ion Beams"
AVS 60th International Symposium & Exhibition (Long beach, 2013/10/28, Oral)
17. S. Nakagawa, T. Seki, T. Aoki, J. Matsuo
"Depth analysis of DSPC by SIMS, using gas cluster ion beam"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/3, Poster)
18. M. Nojima, M. Suzuki, M. Fujii, T. Seki and J. Matsuo
"Development of organic depth profiling system with Ar-GCIB and IMS-4f"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/3, Poster)

19. M. Fujii, S. Nakagawa, T. Seki, T. Aoki and J. Matsuo
"Possibilities and Limitations of Ar GCIB SIMS for Biological Applications"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/3, Poster)
20. M. Fujii, M. Kusakari, T. Seki, T. Aoki and J. Matsuo
"Liquid Sample Measurements using Wet SIMS Apparatus with Swift Heavy Ion Beam"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/3, Oral)
21. S. Torii, T. Seki, T. Aoki, J. Matsuo
"Generation of Ar cluster ion beam for high spatial resolution SIMS"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/3, Poster)
22. S. Nakagawa, T. Seki, T. Aoki, J. Matsuo
"Secondary Ion Mass Spectrometry with Methanol Cluster Ions"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/1, Poster)
23. H. Gnaser, M. Fujii, S. Nakagawa, T. Seki, T. Aoki, and J. Matsuo
"Sputtered Ion Emission from Peptides and Amino Acids under Large Argon Cluster Ion Bombardment"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/1, Oral)
24. J. Matsuo
"Can we use massive cluster ions as a primary ion beam in organic SIMS?"
SIMS XIX 19th International Conference on Secondary Ion Mass Spectrometry (Jeju, 2013/10/1, Invited)
25. M. Fujii, T. Seki, T. Aoki and J. Matsuo
"Chemical Reaction on the Specimen Surface by Cluster Ion Beam Irradiation"
2013 JSAP-MRS Joint Symposia (Doshisha University, Kyoto, 2013/9/9, Poster)
26. J. Matsuo, S. Nakagawa, M. Fujii, T. Seki and T. Aoki
"Molecular ion imaging with swift heavy ions"
The 17th International Conference on Radiation Effects in Insulators (REI-17) (Helsinki, 2013/7/3, Invited)
27. T. Tadic, Z. Siketic, D. D. Cosic, N. Skukan, I. B. Radovic and J. Matsuo
"Development of a TOF SIMS setup at the Zagreb Heavy Ion Microbeam Facility"
The 21st International Conference on Ion Beam Analysis (IBA 2013) (Seattle, 2013/6/25, Invited)
28. T. Seki, S. Shitomoto, S. Nakagawa, T. Aoki and J. Matsuo
"Bio-imaging with MeV-energy heavy ion beams"
The 21st International Conference on Ion Beam Analysis (IBA 2013) (Seattle, 2013/6/24, Invited)
29. J. Matsuo
"Molecular depth profiling and imaging technique with energetic cluster ion beams"
JAWS25 (Japan-Australia Commemorative Workshop) (Canberra, 2013/6/24, Invited)

30. J. Matsuo

"Secondary molecular ion emission with energetic cluster beam; toward applications in soft material analysis"
PASI 2013 (Luxembourg, 2013/6/3, Invited)

31. M. Fujii, H. Gnaser, S. Nakagawa, T. Seki, T. Aoki and J. Matsuo

"Study on the Sputtering Mechanism of Amino Acid with Ar Cluster Ion Beam Irradiation"

The 15th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS-15)
(SISS-15) (Seikei Univ., Tokyo, 2013/4/25, Poster and short oral)

32. S. Nakagawa, T. Seki, T. Aoki and J. Matsuo

"Effects of cluster ion beam irradiation with a mixture of noble and reactive gases on inorganic solids"

The 15th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS-15)
(SISS-15) (Seikei Univ., Tokyo, 2013/4/25, Poster)

33. T. Seki, S. Shitomoto, S. Nakagawa, T. Aoki and J. Matsuo

"Development of MeV-SIMS imaging system with electrostatic quadrupole lens"

The 15th International Symposium on SIMS and Related Techniques Based on Ion-Solid Interactions (SISS-15)
(Seikei Univ., Tokyo, 2013/4/26, Oral)