

1. Effect of Presence or Absence of Liquid Water on Ion Irradiation Damage of Nucleotide Molecules
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2. Measurement of Fragment Ions from Adenine Molecules in Fast Heavy-Ion Collisions
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3. Reaction Processes of Negative Secondary Ions Emitted from Methanol Microdroplets by Fast Heavy-Ion Irradiation
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4. Study on Internal Energy Relaxation of Excited Benzene Cations Using Electrostatic Ion Beam Trap and Laser Light
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6. ERDA for Depth Analysis of Li in Thin All-solid-state Li Batteries
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7. MeV-SIMS Measurement of Negative Electrode Surface of Lithium Ion Battery at Atmospheric Pressure
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8. Thermal-hydraulics Phenomenon in Canister
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9. Hydrogen Isotope Exchange on Deposited Layers in QUEST
T. Ieiri, Y. Ichikawa, I. Takagi
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10. Dissolution Behavior of CaUO₄ under Reducing Condition
Y. Kato, T. Kobayashi, T. Sasaki
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11. Effects of Electric Field on Hydrogen Diffusion in Zirconium Alloy Oxide Layer
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12. Hydrogen Atom Reflection on Hydrogen-covered Ni Surface
K. Takata, and I. Takagi
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13. Influence of He and W-ion Irradiation on Deuterium Retention in Tungsten
Z. Jiang, T. Saito, I. Takagi
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14. “Nuclear Engineering Laboratory 2” in 2021 - In-air PIXE and RBS -
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K. Yamasa¹ (TA), J. Kusuda¹ (TA), T. Tezuka¹ (TA), H. Tsuchida^{1,2}, and M. Saito^{1,2}
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16. Secondary Electron Yield from a Gold Nanoparticle Bombarded with 1 MeV C⁺ Ions
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17. Effect of Gold Deposition in Transmission Metal-Assisted SIMS of a Biomolecular Thin Film
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 18. Compositional Analysis of Hafnium Nitride Thin Films by Backscattering Spectrometry with a Proton Beam
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 19. Preparation and Structural Analysis of EuTaO_3 Epitaxial Thin Films
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Y. Isoda, D. Kan, Y. Ogura*, T. Majima*, T. Tsuchiya** and Y. Shimakawa
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 21. Interaction of Defects with Hydrogen and Helium in SUS316L
Y. Suzuki*, H. Tsuchida**, Q. Xu*
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 22. Experimental Physics Program A5 (2021) at the School of Science
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 23. Development and Performance Evaluation of TOF-ERDA System
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 24. Operando Analysis of Au-NbO-LATP-LMO-Au Lithium-Ion Battery by Means of ERD and RBS Techniques with 9 MeV O^{+4} Ion Beam
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