Poster Session

Date: Tuesday, 29 Oct 2024

Time: 17:30–19:30

P-01: Anomalous solvent-ion correlations and effective masses of positive-particles in liquids: Based on positron diffusion studies in liquids
Ikuzo Kanazawa

P-02: Theoretical analysis of positronic compounds of fluorine molecular dianions using quantum Monte Carlo method
Kentaro Numata

P-03: Hydrogen-induced vacancy formation in austenitic stainless steel with high Ni equivalent
Takahito Sano

P-04: Near-surface defects in hydrogen-charged polished austenitic stainless steel
Hirotaka Hamada

P-05: Aggregation process of hydrogen-induced vacancies into vacancy clusters in metastable austenitic stainless steel
Yuta Kikuchi

P-06: Vacancy-type defects just below the intergranular fracture surface of Ni by positron probe microanalyzer
Honoka Abe

P-07: Change in vacancies during sintering of additive-manufactured SUS316L objects elucidated by PAL technique
Keita Kobayashi

P-08: Hydrogen-induced defects in pure iron by operando positron annihilation lifetime spectroscopy during hydrogen charge and straining
Kodai Yamamoto

P-09: Comparison of various types of hydrogenated amorphous carbon films formed by plasma-based ion implantation
Atsushi Kinomura

P-10: Structural, morphological, and photothermal properties of Fe_3O_4 nanoparticles and their applications for antibacterial activities
Jiandang Liu

P-11: Study of open volume defects in TiO_2 nano/powders and sintered ceramic
Oksana Melikhova

P-12: Effect of the particle size on gamma-ray induced positron annihilation lifetime of CeO_2 nanoparticles
Satoru Dohshi

P-13: Effect of Sb doping on Mg_2Sn crystals studied by gamma-induced-positron annihilation lifetime spectroscopy and photoelectron holography experiments
Takuma Sumi

P-15: Synergistic suppression of bipolar effect and lattice thermal conductivity leading to high average figure of merit in $Bi_{0.4}Sb_{1.6}Te_3$ materials through alloying with $AgSbTe_2$
Xiang Qu

P-16: TwinPALS: A digital twin for laboratory-based positron annihilation lifetime spectroscopy
Dominik Boras

P-17: A simulation study on polymer-like PALS spectra with TwinPALS
Dominik Boras

P-18: Development of a high intensity positronium pulse
Masaki Maekawa

P-19: CANCELLED

P-20: Development of an ISO technical specification for evaluation of pore size in materials via the PAL technique
Brian O'Rourke

P-21: Measurements of positronium transmittance through graphene films supported on TEM grid
Riki Mikami

P-22: Microwave spectroscopy of the $2\ ^3S_1 \rightarrow 2\ ^3P_1$ fine structure interval in positronium
Krzysztof Habdas

P-23: Measurement of the transmittance of slow positrons through a single-layer graphene film
Yuhi Sada

P-24: Calculation of photodissociation cross sections of positronium hydride and positronium molecule
Naoki Kamiya

P-25: Benchmarking neural network wave functions in positronium
Shuhei Ohno

P-26: Electron-positron momentum distributions to unveil carbon-redox orbital interactions in $LiCoO_2$ cathodes
Jan Kuriplach

P-27: Hyperfine coupling constants of OH radical in liquid water
Tetsuya Hirade

P-28: Study of supercritical carbon dioxide interacted with clay minerals
Yasushi Takashita

P-29: Depth-resolved porosity elucidation of bilayer silica films using the energy-variable positron lifetime technique
Shigeru Yoshimoto

P-30: Several issues on positronium formation and annihilation in metal organic frameworks (MOFs)
Chunqing He

P-31: Thermal degradation at the near surface of nylon 66 evaluated by Energy-variable PALS
Hiroyuki Hosomi

P-32: Study of local structure of magnesium oxide associated with direct air capture of carbon dioxide from atmosphere
Eri Inoue

P-33: Kaolin loaded chitosan nanofibers as an efficient adsorbent for palladium cations
Yijun Du

P-34: The o-Ps quenching properties of chitosan and 2-pyridyliminechitosan supported palladium nanofibers
Linjun Shao

P-36: Positron annihilation lifetime spectrum analysis of interfacial compatibility of nano-composited expoxy resin
Yue Yang

P-37: Change of chemical structure measured by positron probe microanalyzer
Toshitaka Oka

P-38: Energy-tunable positronium beam transportation experiment using by silica glass capillaries
Omi Miyauchi

P-39: $\langle Z_{eff} \rangle$ sensitivity to uncertainty in elastic e^+ cross section
Gregory Boyle

P-40: Influence of relative humidity on CO_2 capture in CALF-20 MOFs using positron annihilation lifetime spectroscopy
Ahmed G. Attallah