

MLZ User Meeting 2021

Tuesday, December 7, 2021

Poster Session: Poster Session I (10:30 AM - 12:00 PM)

[id] title	presenter	board
[12] Multi-scale phase quantification of strain-induced martensite in Austempered Ductile Iron (ADI) using different neutron diffraction techniques	LI, Xiaohu	P-0
[6] Tuning ordered mesoporous titania films via introducing germanium nanocrystals for high-efficient photoanodes	LI, Nian	P-2
[27] Project CAESAR: Cell Chemistry Based on Silicon Anode and Nickel-Rich Cathode	GROSSMANN, Lukas	P-3
[31] QENS study of the diffusivity of hydrogen in MoS ₂	KUZNETSOV, Vitalii	P-4
[43] Influence of Mg ²⁺ on the structure and interface of all-solid-state lithium battery	Ms LIANG, Yuxin	P-5
[53] The In-Situ GIWAXS Heuristic Tool for Efficient Reduction of High-Quality Big Data	REB, Lennart	P-6
[55] Degradation Mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen	GUO, Renjun	P-7
[56] Raman spectroscopy setup at the TOFTOF instrument	ALIC, Amina	P-8
[61] Morphology control of PS-b-P4VP templated monolayer mesoporous Fe ₂ O ₃ thin films	YIN, Shanshan	P-10
[89] Structure of Molybdenum Nitride Films as Hole-Selective Contacts of Crystal Silicon Solar Cells determined with X-ray Scattering	Dr LI, Yajuan	P-11
[95] Oriented transition dipole moments for high-efficient perovskite light-emitting diodes	Mr ZHOU, Jungui	P-12
[98] In-situ observation of electrode formation in non-fullerene organic solar cells with GISAXS	JIANG, Xinyu	P-13
[68] Tunable spin-flop transition in artificial ferrimagnets	ANTROPOV, Nikolay	P-14
[112] Investigation of magnetic domains in [Pt/Co/Ta] ₁₀ multilayers using magnetic force microscopy	MONTANEZ HUAMAN, Liz Margarita	P-15
[114] STRUCTURE AND MAGNETISM IN MULTILAYER Fe/MgO/Cr/MgO/Fe NANOSYSTEMS	Ms YAKUNINA, Elena	P-16
[122] Neutron diffraction studies of compounds based on MnGe under high pressure at low temperatures in high magnetic fields	SKANCHENKO, Daria	P-17
[21] Effect of SEI formation on lithium diffusion coefficients in Si thin film anodes	Mr WU, Baolin	P-18
[34] Investigations on the kinetics of the liquid-liquid phase separation of myelin basic protein: Combining neutron scattering with imaging techniques	GRAF VON WESTARP, Igor	P-19
[7] Aescin incorporation and nano-domain formation in DOPG model membranes observed by small-angle neutron scattering as well as small-angle and wide-angle X-ray scattering	GRÄBITZ-BRÄUER, Friederike	P-20
[60] Interaction of colloids inks with nanoporous cellulose templates	HARDER, Constantin	P-21

[72] A capillary battery cell setup for in-operando x-ray investigation of solid polymer electrolytes	APFELBECK, Fabian Alexander Christian	P-22
[97] Novel CDB Data Processing and Evaluation Software	CHRYSSOS, Leon	P-23
[82] Lithium Diffusion and Ionic Conductivity in Lithium Phosphidotetrelates	Dr STRANGMÜLLER, Stefan	P-24
[32] Dynamics of lithium-concentration in 18650-type lithium-ion batteries during electrochemical cycling	PETZ, Dominik	P-25
[48] Single crystal studies on multiferroic $\text{LiFe}(\text{WO}_4)_2$	BIESENKAMP, Sebastian	P-26
[46] Morphology control of Titanium Thin Films in a low temperature process	PAN, Guangjiu	P-27
[73] Q-averaging procedures for neutron diffraction pattern calculation from atomic simulations	KUZNETSOVA, Anastasiia	P-30
[91] Thermal structural stability of lithiated graphites	HÖLDERLE, Tobias	P-31
[62] Hardening phase precipitation study in the new VDM® Alloy 780 by in-situ high temperature neutron scattering techniques	SOLIS, Cecilia	P-32
[59] The Role of CsBr in Crystal Orientation and Optoelectronic Properties of MAPbI₃-based devices	ZOU, yuqin	P-42
[40] The influence of toluene in a Si/Ge sol-gel approach	WEINDL, Christian L.	P-56
[66] A search for Parity Violation in Neutron Transmission through Polarized ^{139}La	SNOW, William M	P-66