RAU32 Online Poster Presenters		
Speaker	Poster Title	Area
ADRIANA VALERIO	Size dispersion evaluated by X-ray diffraction and scattering in crystalline nanoparticles of CeO2	Condensed matter - Electronic and Magnetic Structure
Alejandro Fernández	CORRELATION BETWEEN CHROMIUM OXIDATION STATE AND PHOTOCATALYTIC PROPERTIES IN STRONTIUM TITANATE	Catalytic Materials
Amanda Araujo Souza	An integrative structural biology pipeline for the discovery of novel human kynurenine 3-monooxygenase inhibitors	Protein and Macromolecular Crystallography
Amanda Crystina Araujo da Silva	The influence of atmospheric particles on photovoltaic energy production	Environmental and Earth Science
Andrew Albert de Oliveira	Modulators of PKM2 tetramerization: an x-ray crystallographic assessment	Protein and Macromolecular Crystallography
Carlos Magno de Lima e Silva	Spectroscopic Comparisons of the Color of Emeralds from MG, BA, GO and TO (Brazil).	Environmental and Earth Science
Carolina Michelon Camarda	MINERAL INCLUSIONS IN SUPER DEEP DIAMOND REVEALS THE UNUSUAL ASPECT OF THE TRANSITION METALS Fe, Cu, NI AND TI	Environmental and Earth Science
Christian Wittee Lopes	Characterization of pillared-layered bimetallic MOFs using synchrotron radiation	Catalytic Materials
Cláudio Remedios	Effect of Pressure on L-asparagine Monohydrate Fe(III) Crystal: An synchrotron radiation X-ray diffraction study	Condensed matter - Electronic and Magnetic Structure
Cristiano Luis Pinto de Oliveira	Advanced Modelling of Lyotropic Liquid Crystals by Small Angle X-Ray Scattering	Polymers and Soft Matter
Cristina Freitas Bazzano	NP3 Blob Label: A Deep Learning Application for Unknown Ligands Segmentation to Ligand Building in X-ray Protein Crystallography	Protein and Macromolecular Crystallography
Daniel da Silva Costa	A two-step GISAXS characterization of NiSi2nanoplates buried in a Si(001) wafer and Ni nanocrystals embedded in a deposited Ni-doped SiO2thin film	Surface Science – Electronic and Atomic Structure
Eduardo Santos	Preparation of fresh plant tissue samples for XRF analysis in Tarumã endstation of the Carnaúba beamline at the Brazilian Synchrotron Light Laboratory	Environmental and Earth Science
Emilia Annese	Electronic characterization of the Mn3O4thin film on metal substrates: resonant photoemission study	Surface Science – Electronic and Atomic Structure
Fabiano Rodrigo Borges	Passivation of Indium Phosphite Substrate Evaluated by Atomic Force Microscopy	Surface Science – Electronic and Atomic Structure
Fernando Pschunder	SAXS And XAFS Characterization Of ZrO2-Based Catalysts Prepared By Sol-Gel Techniques	Catalytic Materials
FLÁVIO HENRIQUE FERES	Accelerating phonon-polaritons in two-dimensional crystals by engineering dielectric-metallic substrates	Condensed matter - Electronic and Magnetic Structure
Francisco Mateus Cirilo da Silva	Multi-techniques methodological study on radiation effect in hybrid organic-inorganic perovskites and strategies to mitigate interferences after high brilliance x-ray photon source measurements	Condensed matter - Electronic and Magnetic Structure
Gabriel Sgarbiero Montanha	High-resolution XRF probing of elemental distribution in crops species: outputs from the commissioning Tarumã endstation of the Carnaúba beamline	Environmental and Earth Science
Gabriel Sgarbiero Montanha	Plant metallomics: are metal distribution patterns a cause or consequence of plant tissue fate?	Environmental and Earth Science
Gisele de Lima Hippler	Effect of high pressure on the structure of lithium disilicate glass- ceramic	Hard condensed matter - Atomic Structures and Morphology
Guinther Kellermann	Novel method for determination of the radius dependences of the melting and freezing temperatures of nanoparticles by exclusively using the SAXS technique	Hard condensed matter - Atomic Structures and Morphology
Isabella Nascimento dos Santos Bernardo	ESTABLISHMENT OF A CELLULAR MODEL FOR THE STUDY OF THE BIOLOGICAL BASES OF CONVENTIONAL AND FLASH RADIOTHERAPY	Life and Medical Sciences (excluding Crystallography)
Jessica do Nascimento Faria	Crystal structure of L-threonine dehydrogenase from T. cruzi and its allosteric activation by potassium ion	Protein and Macromolecular Crystallography
Joane Kathelen Rustiguel Bonalumi	New binding-site search of the 20S proteasome: crystallographic fishing, PanDDa analysis and cryo-EM validation	Protein and Macromolecular Crystallography
João Basso Marques	Green Synthesis of BioC-dots	Environmental and Earth Science
José Daniel Da Silva Fonseca	MICCO-FLIK as a Characterization tool for a new platform based on calixarene derivative and a metal-organic framework: A fluorescent probe for Fe3+detection	Environmental and Earth Science
Juan Simon Rodriguez Hernandez	The Pressure-Induced structural phase transition of CsCuCl3like- perovskite compound	Condensed matter - Electronic and Magnetic Structure
Julia Caroline Porfirio	Characterization of the flexibility of proteins in solution	Protein and Macromolecular Crystallography
juliana do carmo godinho	Investigation of divalent metal transporters in cancer associated metallomics	Life and Medical Sciences (excluding Crystallography)
Khalil Jori	Oxidative desulfurization of S molecules using Cu and Ag atomic quantum clusters: A XANES study	Catalytic Materials
Leopoldo Suescun	Ionic-radii - Power relation in REBa2Cu3O6+δ(RE = La, Nd, Sm, Gd and Y) IT-SOFC cathodes.	Catalytic Materials
Lhonidas de Senna Junior	X-ray photoelectron diffraction study of the approximant Al5Co2(001) quasicrystal	Surface Science – Electronic and Atomic Structure
Lucas Cardoso Ramos	Study of carbonaceous aerosols through synchrotron radiation	Environmental and Earth Science
Márcio Medeiros Soares	Perspectives of the Biaxial Multi-Analysis Strain Instrument (2D-MASI) at SIRIUS	Instrumentation and Technological materials
Maria Gabriella Denote Guaita	Influence of methylammonium chloride on wide-bandgap hybrid perovskites for solar cells	Condensed matter - Electronic and Magnetic Structure

Mario Ernesto Giroldo Valerio	Spacial distribution of LiYF4:Ce,Tb scintillator in polystyrene matrix using X-ray mapping	Hard condensed matter - Atomic Structures and Morphology
Martin de Oliveira Kotsis	Feasibility of using low-cost optical monitors for PM2.5 and PM10	Instrumentation and Technological materials
Nicolas Neves de Oliveira	Time of characterization of atmospheric aerosols using Synchroton radiation.	Environmental and Earth Science
Paulo Jardim	High-throughput screening to discover a new Indoleamine2,3- Dioxygenase-1 (IDO1) inhibitor	Protein and Macromolecular Crystallography
Pedro Henrique Arantes Moya	Electronic band structure of the CDW candidate material NixZrTe2(x = 0.0 and 0.05) probed by ARPES	Condensed matter - Electronic and Magnetic Structure
Rafael Alcides Vicente	Advances towards performing in situ Bragg coherent diffraction imaging in electrochemical systems	Catalytic Materials
Rafael Lavagnolli Germscheidt	Synchrotron-based X-ray spectroscopy (XPS and XAS) for probing the nature of electrochemical formed vacancies a Prussian Blue based catalyst	Catalytic Materials
Rafaella Bartz Pena	Unveiling the Depolymerization of Densified Lead Metasilicate Glass: an Optical Raman and O K-edge X-Ray Raman Spectroscopic Study	Hard condensed matter - Atomic Structures and Morphology
Raphael Meneghello	Use of high-throughput PanDDA analysis to unveil new bioactive molecules based on the Brazillian natural products biodiversity	Protein and Macromolecular Crystallography
RAPHAELA DE OLIVEIRA	Using synchrotron techniques to investigate an emerging class of naturally abundant layered materials: phyllosilicates	Condensed matter - Electronic and Magnetic Structure
Raul Costa Oliveira	Phase transition in the crystal of bis(L-histidinate)nickel(II) monohydrate in high temperatures	Condensed matter - Electronic and Magnetic Structure
Rayanna de Oliveira Costa	Modeling the thermal conductivity of soil between layers for a region north of the Matogrossense Pantanal	Environmental and Earth Science
Renata C. K. Kaminski	Effect of adding TiO2nanoparticles to systems stabilized by surfactant containing different vegetable oils	Other
Renato Freitas	Probing the Guignard painter's palette by nano-XRF	Other
Rodrigo Szostak	Operando setup for perovskite solar cells characterization at the CARNAÚBA beamline at Sirius/LNLS	Instrumentation and Technological materials
Susilaine Maira Savassa	In vivoinvestigation of biotransformation of metallic nanoparticles in soybean plants using synchrotron-based techniques	Environmental and Earth Science
Swathi Patchaiammal Raju	Development of Spectroelectrochemical Cells for InsituFTIR Imaging andExsituXRF Mapping:AMulti-Technique Approach	Catalytic Materials
Thais Costa Brunelli	Surface characterization of atmospheric aerosol by X-ray photoelectron spectroscopy: a scientific interest	Environmental and Earth Science
Thauany Hellmann	Spectroscopic investigation of polythiophene/gold nanoparticles/carbon nanotubes nanocomposites thin films	Surface Science – Electronic and Atomic Structure
Thiago Rodrigues da Cunha	Structural analyses of alamosite phase (PbSiO3) derived from lead glass metasilicate via Synchrotron X-ray diffraction measurements under extreme conditions	Hard condensed matter - Atomic Structures and Morphology