

User Office Portal

MIS Section
ALBA Computing Division,
May 2021



- Development started in 2011
- Aims to cover:
 - Proposal submission
 - Evaluation of the proposal (scientific case, safety aspects...)
 - Experiment scheduling
 - Post-experiment actions (experiment report, publications...)
- Highly integrated with other dependent systems
 - Account provisioning
 - Data Catalogue (ICAT), Laboratory Management Systems (ISPyB)
 - Internal resources such Access Control System (eg.: access to biolabs,...)

Who uses the portal?

- Investigators (ALBA Users)
- Beamline staff
- Safety Office
- User Office



Publications

Period	<input type="text"/>	Beamline	<input type="text"/>
Title	<input type="text"/>		
Author or Proposer	<input type="text"/>	Proposal ID	<input type="text"/>
Creator	<input type="text"/>		
Research Type	<input type="text"/>	Year	<input type="text"/>
Publication Type	Choose One <input type="text"/>		
Status (if none selected, dismissed status is not included)	<input type="text"/>		
Creation Date Lower Bound	<input type="text"/>	Creation Date Upper Bound	<input type="text"/>
<input type="button" value="Search"/>			

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Actions	Title	Publication Year	Created	Created by	Status	Beamline	Period	Reference or Journal	Impact Factor	Proposal ID	Research Type	Research Area	Authors
	High temperature spin-driven multiferroicity in ludwigite chromocuprate Cu₂CrBO₅	2021	2021-05-15 12:36:20		Validated	BL04	2018-I	Applied Physics Letters, 2021, 118, 19	3.597	2018072920	Academic	Solid state physics/materials science (structure, phase transitions, nanomaterials)	Françoise Damay, Jonas Sottmann, François Fauth, Emmanuelle Suard, Antoine Maignan, Christine Martin
	Improved thermal stability of antireflective moth-eye topography imprinted on PMMA/TiO₂ surface nanocomposites	2021	2021-05-13 08:41:18		Validated	BL11	2019-II	Nanotechnology, 2021	3.551	2019023451	Academic	Solid state physics/materials science (structure, phase transitions, nanomaterials)	Alejandra Jacobo, Jaime J Hernández, Patricia Pedraz, Eduardo Solano, Iván Navarro-Baena, Isabel Rodríguez
	Crystal Structure of BaCa(CO₃)₂ Alstonite Carbonate and Its Phase Stability upon Compression	2021	2021-05-12 16:08:04		Validated	BL04	2020-I	ACS Earth and Space Chemistry, 2021	3.418	2019093741	Academic	Geo-Sciences	Raquel Chullá-Jordán, David Santamaría-Pérez, Javier Ruiz-Fuertes, Alberto Otero-de-la-Roza, Catalin Popescu
	Cooperative Cluster Jahn-Teller Effect as a Possible Route to Antiferroelectricity	2021	2021-05-12 12:53:03		Validated	BL04	2020-II	Physical Review Letters, 2021, 126, 187601	8.385	2020024298	Academic	Solid state physics/materials science (structure, phase transitions, nanomaterials)	K. Geirhos, J. Langmann, L. Prodan, A. A. Tsirlin, A. Missiul, G. Eickerling, A. Jesche, V. Tsurkan, P. Lunkenheimer, W. Scherer, I. Kézsmárki
	Structural Evolution in Iron-Catalyzed Graphitization of Hard Carbons	2021	2021-05-12 12:21:29		Validated	BL04	2018-II	Chemistry of Materials, 2021, 33, 9, 3087–3097	9.567	2018022622	Academic	Materials sciences for energy technology	Aurora Gomez-Martin, Zoe Schnepf, Joaquin Ramirez-Rico
	Estimation of carbon dots amelioration of copper toxicity in maize studied by synchrotron radiation-FTIR	2021	2021-05-10 12:08:01		Validated	BL01	2017-I	Colloids and Surfaces B-Biointerfaces, 2021, 204, 111828	4.389	2016091816	Academic	Environmental Sciences	Tanja Dučić, Ivana Milenković, Dragosav Mutavdžić, Miroslav Nikolić, M. Valle Martínez de Yuso, Željko Vučinić, Manuel Algarra, Ksenija Radotić
	Calcite as a Precursor of Hydroxyapatite in the Early Biomining of Differentiating Human Bone-Marrow Mesenchymal Stem Cells	2021	2021-05-06 15:47:30		Validated	BL09	2018-I	International Journal of Molecular Science, 2021, 22, 9, 4939	4.556	2017092341	Academic	Biology-Life Sciences (not PX)	Andrea Sorrentino, Emil Malucelli, Francesca Rossi, Concettina Cappadone, Giovanna Farruggia, Claudia Moscheni, Ana J. Perez Berna, Jose Javier Conesa, Chiara Colletti, Norberto Roveri, Eva Pereiro, Stefano Iotti
	The phase diagram of TI-6Al-4V at high-pressures and high-temperatures	2021	2021-05-03 16:56:34		Validated	BL04	2014	Journal of Physics-Condensed Matter, 2021, 33, 154001	2.707	2013100660	Academic	Solid state physics/materials science (structure, phase transitions, nanomaterials)	S G MacLeod, D Errandonea, G A Cox, H Cynn, D Daisenberger, SE Finnegan, M I McMahon, KA Munro, C Popescu, C V Storm
	Structural, vibrational and electronic properties of α-Ga₂S₃ under compression	2021	2021-05-03 15:05:57		Validated	BL04	2017-II	Physical Chemistry Chemical Physics, 2021, 23, 6841-6862	3.43	2017022088	Academic	Solid state physics/materials science (structure, phase transitions, nanomaterials)	S. Gallego-Parra, R. Vilaplana, O. Gomis, A. Otero-de-la-Roza, P. Rodríguez-Hernández, A. Muñoz, J. González, J. A. Sans, V. P. Cuenca-Gotor, J. Ibáñez, C. Popescu, F. J. Manjón, E. Lora da Silva
	Unveiling the Structural Behavior under Pressure of Filled M_{0.5}Co₄Sb₁₂ (M = K, Sr, La, Ce, and Yb) Thermoelectric	2021	2021-04-30 21:18:07		Validated	BL04	2019-II	Inorganic Chemistry, 2021	4.825	2019023343	Academic	Materials sciences for energy technology	João Elias F. S. Rodrigues, Javier Gainza, Federico Serrano-Sánchez, Mateus M. Ferrer, Guilherme S. L. Fabris, Julin R. Sambrano, Norbert M. Nemes-Inés

- Sunrise (v1)
 - Java monolith



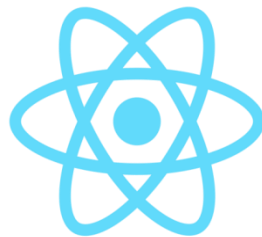
APACHEWICKET



HIBERNATE



- DUO (Django User Office)
 - First attempt at v2
 - REST API for internal integrations (not externally accessible)
- User Office 2.0 (in planning)
 - Full re-do
 - Micro-services



- Dedication varied over time:
 - Main focus of team 2011-2014
 - 1 tech leader + 2 support as of 2021
 - Currently in continuous improvement process
- Scrum @ MIS since 2017
 - Whole portfolio, not just UO
- User Office centralizes RFC (Service Owner)
 - Feedback from BL staff, PRC...

Thank you for your attention