

Lundi 15 novembre			
Modérateur : S. Jobic			
Inv1	09h00-09h40	G. Dantelle	Garnet-type nanocrystals for <i>in vivo</i> bio-imaging and nanothermometry
O1	09h40-10h00	H. Bazzaoui	Emergence of A-Site Cation Order in the Small Rare-Earth Melilites SrREGa ₃ O ₇ (RE = Dy-Lu, Y)
O2	10h00-10h20	G. Gouget	Colloidal synthesis of rare earth-based semiconducting nanocrystals for the sensitization of rare earth photoluminescence
10h20-10h40		Pause	
Modératrice : M. Colmont			
O3	10h40-11h00	E. Glais	Development of a trichromatic phosphor with tunable emission color through a machine learning approach
O4	11h00-11h20	A. Renaud	Molybdenum octahedral iodides: a new class of ambipolar materials for solar energy conversion
O5	11h20-11h40	T. Amiaud	Eu ³⁺ /Tb ³⁺ mixed Metal-Organic Frameworks (MOFs) for ratiometric luminescent thermometry
O6	11h40-12h00	A. Diop	Plasma deposited W/SiCN nanocomposite as high temperature air-stable solar selective absorber coatings for concentrated solar power receivers

Mardi 16 novembre			
Modérateur : N. Penin			
Inv2	09h00-09h40	M. Gaudon	Synthesis in polyol medium of inorganic oxides with various smart optical properties
O7	09h40-10h00	A. Bouddouch	Solid-state synthesis of Bismuth phosphate heterojunctions with enhanced UV light efficiency in photocatalytic degradation of pollutants
O8	10h00-10h20	A. Belhcen	New CIGS _N lamellar materials for photo-induced applications (photovoltaics and photo-catalysis)
10h20-10h40		Pause	
Modérateur : D. Portehault			
O9	10h40-11h00	F. Tessier	From clusters to nanostructured transition metal nitrides and carbides. <i>Application in heterogeneous catalysis</i>
O10	11h00-11h20	R. André	Evolution of cerium trihydroxide Ce(OH) ₃ in air: toward an unreported cerium (oxy)hydroxide phase?
O11	11h20-11h40	C. Leroy	Exploring zinc-terephthalate complexes through multi nuclear ssNMR and in-situ reaction monitoring by Raman spectroscopy
O12	11h40-12h00	K. M. N'Gatta	3D printed cellulose nanocrystals based composites: towards robust biomimetic scaffolds for bone repair

Mercredi 17 novembre			
Modérateur : G. Rogez			
Inv3	09h00-09h40	S. Carencio	Metal oxysulfide nanoplates: growth mechanism and reactivity, from lanthanides to transition metals
O13	09h40-10h00	B. Freis	Tuning size and shape for the design of innovative theranostic iron oxide based nanoparticles ensuring multimodal therapy
O14	10h00-10h20	B. A. Karamoto	Nanocomposite membranes based on polymer/exfoliated 2D materials obtained by pickering emulsion
10h20-10h40		Pause	
Modérateur : P. Bonnet			
O15	10h40-11h00	L. B. Mvélé	Topochemical sulfur deintercalation and intercalation in rare earth oxysulfide compounds for synthesis of new metastable materials
O16	11h00-11h20	D. Janisch	Geo-inspired pathways towards ternary nanomaterials for electrocatalysis
O17	11h20-11h40	F. Payet	From stacked homo-layers to heterostructures: pathways to hybrid layered oxides
O18	11h40-12h00	E. Abi Rached	Molybdate formation from spent fuel dissolution: study of the first stage of precipitation

Jeudi 18 novembre			
Modérateur : P. Roussel			
Inv4	09h00-09h40	A. M. Arevalo-Lopez	Localized vs itinerant electrons in GaV₄O₈
O19	09h40-10h00	M. Varghese	Is there any dynamic magnetic dimer in Sr ₂ CrNbO ₆ ordered double perovskite?
O20	10h00-10h20	J.-N. Jiongo-Dongmo	Investigation of magnetoelectric properties in the Ni _{4-x} Co _x Nb ₂ O ₉ system
10h20-10h40		Pause	
Modérateur : O. Toulemonde			
O21	10h40-11h00	E. Boivin	Manipulation of the anionic and cationic sub-lattices of pyrochlores
O22	11h00-11h20	V. S. Paul Raj	Aqueous solution growth at 200°C and characterizations of pure, ¹⁷ O- and D-based herbertsmithite ZnCu ₃ (OH) ₆ Cl ₂ single crystals
O23	11h20-11h40	H. Dahab	Synthesis, crystal-structure and physical properties of the infinite layer phase of bulk nickelates
O24	11h40-12h00	T. Marchandier	Chemical design of IrS ₂ polymorphs to understand charge/discharge asymmetry in anionic redox systems

Vendredi 19 novembre			
Modérateur : R. Berthelot			
Inv5	09h00-09h40	G. Rouse	Li-ion batteries materials: the power of powder diffraction
O25	09h40-10h00	I. Chantrenne	Machine-learning-assisted discovery of new thermoelectric octahedral transition-metal cluster chalcogenides
O26	10h00-10h20	K. Maji	Synthetic CuPbBi ₅ S ₉ : a semi-ordered cation deficient aikinite key-matrix for high thermoelectric performances
10h20-10h40		Pause	
Modérateur : E. Guilmeau			
O27	10h40-11h00	N. Kana	MOF-Silicon composite for negative LiB electrodes from their preparation to their electrochemical performances
O28	11h00-11h20	M. Toorabally	Artificial SEI for proton battery
O29	11h20-11h40	C. Levie	X-Ray microdiffraction study of LiMn _{1.5} Ni _{0.5} O ₄ thin films deposited by sputtering for Li-ion micro-batteries application
O30	11h40-12h00	V. Saibi	New Lithium rich layered oxides as positive electrode materials for Li-ion battery application