



European Materials Research Society

2024 Spring Meeting

May 27 - 31 / Strasbourg Convention Centre

SYMPOSIUM U

Synthesis, physical properties and applications
of advanced nanocrystalline materials

Symposium Organizers:

Aurora RIZZO, University of Salento - CNR NANOTEC,
Institute of Nanotechnology c/o Campus Ecotekne, via Monteroni I-73100, Lecce, Italy

Ermelinda M. S. MACOAS,
University of Lisbon, Portugal

Raghvendra Singh YADAV (Main organizer), Tomas Bata University in Zlin,
Centre of Polymer Systems, Czech Republic

Renjie CHEN, Beijing Institute of Technology,
School of Materials Science and Engineering, P. R. China

Tayebah AMERI, University of Edinburgh, Edinburgh, U.K.



Monday May 27
U01_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : MAÇÔAS Ermelinda - YADAV Raghvendra singh

08:45	330	INV	Novel Materials Chemistry for Applications in Energy Storage and Conversion	PINNA Nicola
09:15	28		Ligand-assisted morphology regulation of AuNi bimetallic nanocrystals for efficient hydrogen evolution	XUE Can
09:30	152		Synthesis and catalytic properties of metal nanomaterials with unconventional crystal phases	YE Chen
09:45	922		Powder-to-ink preparation of BaZrS ₃ perovskite films for PV applications	STERGIOPOULOS Thomas

Monday May 27
U02_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : AMERI Tayebbeh - RIZZO Aurora

10:30	2713	INV	Sustainable Nano Materials Synthesis for the Green Energy Transition	WEIDENKAFF Anke
11:00	289		High-Entropy Oxychloride Increasing the Stability of Li-Sulfur Battery	ZUKALOVÁ Markéta
11:15	1810		Multifunctional hybrid nanocomposite films: assembling inorganic nanoparticles using a-synuclein as molecular linker	SPEGHINI Adolfo
11:30	1174		Advanced Atomic Catalysts Design for Energy Systems	HUANG Bolong
11:45	2540		Early Investigation of 4H-SiC Porous Flakes as Absorbent and Photoactive Material	FRAGALA' Maria Elena

Monday May 27
U03_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : AMERI Tayebah - CHEN Renjie

13:45	3064	INV	Direct Synthesis of Two-Dimensional Metal Chalcogenides Through Molecular Preorganization	MATHUR Sanjay
14:15	1036		From WO ₃ and WO ₃ /TiO ₂ photochromic nanoparticles up to UV-microdose sensor or H ₂ /O ₂ gas sensor or water splitting efficient photoanode	GAUDON Manuel
14:30	1325		Thermally Evaporated MoO ₃ Nanowires as Oxygen Evolution Reaction Catalysts for Water Splitting Applications	TERRASI Antonio
14:45	2292		High-entropy spinel oxides nanofibers as anodes for OER and LIB	PONTI Alessandro
15:00	3033		Photocatalytic Patterning of TiO ₂ Thin Films with Micro- and Nanoscale Metallic Structures	VEZIROGLU Salih
15:30	656		Catalytic interface engineering in Lithium-Sulfur Batteries	CHONG Luo
15:45	2338		Semiconducting nanoparticles as an element of the model hybrid photovoltaic devices	MATRAS-POSTOLEK Katarzyna

Monday May 27
UP01_Poster session

ETOILE - FIRST FLOOR

16:30	01_1004	120	01_1004 Gas-phase Synthesis of High-quality Bismuth Nanocrystals Using Atmospheric Pressure Plasma	KHATIBI Ali
16:30	02_1066	120	02_1066 Chirality in ternary and quaternary I-III-VI luminescent nanocrystals: the role of the nanocrystal chemical composition on the transfer of chirality	BRANZI Lorenzo
16:30	03_1100	120	03_1100 Dynamic characteristics of Nitinol for engineering adaptive ultrasonic devices	HAMILTON Alexander
16:30	04_1115	120	04_1115 Tuning microwave magnetic properties of M-type hexaferrite composites through particle microstructure	VAZQUEZ BERNARDEZ Maria Jose

16:30	05_1118	120	05_1118 Synthesis and anisotropic growth of metastable wurtzite CuInS ₂ nanostructures	KAVANAGH Aoife
16:30	06_112	120	06_112 Neural Network Approach for a Rapid Prediction of Metal-Supported Borophene Properties	BOUSIGE Colin
16:30	07_1135	120	07_1135 Physical properties and applications of nano-engineered based metallic nanowires: A brief review	BELLETT Daniel
16:30	08_1140	120	08_1140 Exploring excitonic properties in oxygen-terminated Hf- and Ti-based MXenes	KUMAR Nilesh
16:30	09_1142	120	09_1142 Mechanical stress behavior of & bottom electrode influence on properties of La-doped hafnium zirconium oxide (La:HZO) superlattice stacks	DE Gourab
16:30	10_1200	120	10_1200 Enhancing semiconductor device electrical characters through controlled hydrogen cation intercalation in the oxide semiconductor	NOH Hee Yeon
16:30	11_1214	120	11_1214 Solution combustion synthesis of Co ₃ O ₄ -CoO/Kapok-Carbon for supercapacitors	BALELA Mary Donnabelle
16:30	12_1239	120	12_1239 Kesterite nanoparticles for photovoltaic and photocatalytic applications	HUSIEN Amin Hasan
16:30	13_1297	120	13_1297 Designing efficient OER electrocatalysts based on Fe ₃ O ₄ @CoFe ₂ O ₄ nanocrystalline core-shell structures for H ₂ production via water electrolysis	MAKARCHUK Iryna
16:30	14_1309	120	14_1309 Au-thority of gold: influence of the morphology in Cu ₂ O/Au multicomponent nanoparticles	KOVÁCS Dávid
16:30	15_1343	120	15_1343 1T on 2H MoS ₂ /Ti ₃ C ₂ TX composite as an improved HER catalyst	VIJAYAN Varsha
16:30	16_1344	120	16_1344 Microstructural and hydrophilic properties of polyethylene terephthalate glycol polymer samples with different 3D printing patterns	FROLOVA Vera
16:30	17_1347	120	17_1347 Fabrication of flexible triboelectric nanogenerator on textiles by integration of two-dimensional WS ₂ as triboelectric layers	ALBUQAMI Mashael
16:30	18_1350	120	18_1350 Gas-phase Synthesis of High-quality Bismuth Nanocrystals Using Atmospheric Pressure Plasma	KHATIBI Ali

16:30	19_139	120	19_139 Facile synthesis of antimony nanoparticle-embedded nitrogen-rich carbon composites using sacrificial template: Enhanced stability for high-performance sodium-ion hybrid capacitors	LEE Song Yeul
16:30	20_144	120	20_144 Metal-Free Hybrid Energetic Composites Based on Donor–Acceptor ??-Conjugated Organic Energetic Catalysts with Enlightening the Laser Ignition Performance of Multi-Scale Ammonium Perchlorate	MA Qing
16:30	21_1590	120	21_1590 Enhanced electrochemical properties in carbon coated Fe, Cr co-doped sodium vanadium fluorophosphate cathode materials in sodium ion batteries	MAHATO Sanchayan
16:30	22_1728	120	22_1728 Efficient synthesis of MOF-Derived Ni ₂ CuO ₃ /CuO nanocomposites cathode and Fe ₂ O ₃ /N-rGO composite anode for high-Performance all-solid-state asymmetric supercapacitor	MONDAL Ankita
16:30	24_2025	120	24_2025 Enhancing Lithium-Ion Conductivity in Li ₇ La ₃ Zr ₂ O ₁₂ through Co-Doping with Al and Ta via Molten Salt Synthesis for All Solid State Battery	KANG Ha Eun
16:30	25_2032	120	25_2032 Influence of Different Lithium Precursors on the Crystal Structure and Ionic Conductivity of Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolyte	KANG Ha Eun
16:30	26_2039	120	26_2039 Copper doping as a way to improve the electrochemical performance of LNO cathode material for Li-ion batteries	RONDUDA Hubert
16:30	27_207	120	27_207 Synthesis of nanocrystalline tungsten carbide powders	STETSYUK Tatyana
16:30	28_2073	120	28_2073 Synthesis and Electrochemical Characterisation of Tungsten Carbide for Efficient Hydrogen Evolution	JABEEN Shaista
16:30	29_2198	120	29_2198 Liquid-Gated Transistor Based on Graphene Acetic Acid for Sensing Applications	ILIE Georgian Giani
16:30	30_23	120	30_23 Nano Scaled Engineered Materials as a Potential Electrocatalyst for Water Oxidation Reactions	. Krishankant
16:30	31_2318	120	31_2318 Room-Temperature H ₂ Gas Sensor based on Oxide Nanostructure with UV irradiation.	JUN-YOUNG Lee
16:30	32_247	120	32_247 Au@TiO ₂ nanorods for photocatalytic degradation of methylene blue under simulated visible light	MIHAI Sonia

16:30	33_2472	120	33_2472 Hydrothermally Synthesized BiVO ₄ as Cathode Material for Zinc Ion Batteries	ÇEVIK Eda
16:30	34_2514	120	34_2514 Nanostructuring of Molybdenum Nitride Catalysts Using Metal Cluster Compounds.	MATHIVET Sébastien
16:30	35_2545	120	35_2545 Innovative Approach to Anode Materials for High-Performance Potassium-Ion Batteries Using Anion Exchange Strategy	KIM Ju Hyeong
16:30	36_2548	120	36_2548 Design and Synthesis of Carbon@Transition Metal Compounds as Air Cathode Materials for Zinc-Air Batteries	KIM Min
16:30	37_2635	120	37_2635 1T on 2H MoS ₂ as cathode material for Zinc - Ion batteries	A S Asha
16:30	38_2656	120	38_2656 CsPbX ₃ - Pb ₄ S ₃ X ₂ Semiconductors Heterodimers for Photocatalysis	CABONA Anna
16:30	39_2748	120	39_2748 CuFe Electrocatalysts for Urea Electrosynthesis from Carbon Dioxide and Nitrate under Ambient Conditions	SIM Uk
16:30	40_2800	120	40_2800 Core-shell structured NCM@LPSCI synthesized by mechanofusion process for high-performance all-solid-state batteries	KIM Min-Ji
16:30	41_2864	120	41_2864 New 1D Nickel-rich NCM Cathode Materials for The Lithium-ion Battery: Synthesis and Cyclic Stability Improvement	TOKTAMYSSOVA Alina
16:30	42_2868	120	42_2868 Synthesis of 2D intercalated misfit layered CoO ₂ nanosheets from quasi 1-D Ca ₃ Co ₂ O ₆ for energy storage applications	MOHANTA Rajat
16:30	43_2894	120	43_2894 Self-forming SEI for stable lithium metal/ organic electrolyte interface	SIRENGO Keith
16:30	44_2906	120	44_2906 Effect of the Copper Precursor Salt on the Catalytic Activity of the Synthesized Cu ₂ O Nanocubes	PASTÖTTER Angelina
16:30	45_3043	120	45_3043 Thin films of Ni(II) complexes towards gas sensing applications	KÜHNE Irina
16:30	46_322	120	46_322 Exceeding Theoretical Capacity in Interfacial Modified Manganese Ferrites for Fast Rechargeable Lithium-ion Batteries	KANG Song Kyu
16:30	47_323	120	47_323 Micro-patterned SnO ₂ nanowires electrode to enhance the interfacial stability and rate capability of solid-state lithium-ion batteries	KIM Minho

16:30	48_352	120	48_352 Effect of WO ₃ concentration on enhanced photocatalytic methane conversion into value-added chemicals and hydrogen generation over TiO ₂ /WO ₃ /Pt photocatalysts	CARMINATI Saulo
16:30	49_428	120	49_428 MXene-based Nanodielectrics for Massless Energy Storage in Structural Applications	WINDEY Ruben
16:30	50_430	120	50_430 Synthesis of Cu and Sn co-doped NiO nanoparticles for electrochemical sensing of urea	MUSTAFA Alina
16:30	51_451	120	51_451 Band Bending of MoSe ₂ Monolayer near Mirror-Twin Domain Boundaries	YUAN Mengfei
16:30	52_458	120	52_458 Modifying effect of zirconium on structure and properties of magnetron sputtered copper films	ZHADKO Mariia
16:30	53_484	120	53_484 Multiple spin flop transitions in powder and film CoMoO ₄ : step-like magnetization plateaus and hysteresis	WILLIAMSON Joey
16:30	54_542	120	54_542 Precise Optical Thermometry Utilizing CaMoO ₄ :Yb ³⁺ /Ho ³⁺ /Tm ³⁺ Phosphors: A Synergistic Effect of Thermally and Non-Thermally Coupled Energy Levels	SINGH Sachin
16:30	55_562	120	55_562 Enhanced Light-Matter Coupling in Mid-Infrared HgTe Quantum Dot Optoelectronic Devices	CAILLAS Augustin
16:30	56_567	120	56_567 Computer simulations on functional solid-liquid interfaces for energy storage materials	LI Zhujie
16:30	57_576	120	57_576 High-Performance Etched-TiO ₂ rod Nanophotocatalyzer for Methylene Blue Degradation	AHMAD Mohd Khairul
16:30	58_577	120	58_577 Distance dependence of MXene-induced energy transfer	MANZANARES Lorena
16:30	59_60	120	59_60 Hydrothermally Synthesized Gadolinium Doped Molybdenum Disulfide for Electrochemical Supercapacitor Applications	DAS Sutanu
16:30	60_602	120	60_602 Revealing the Band-Edge Exciton Fine Structure of Single InP Nanocrystals	PRIN Elise
16:30	61_611	120	61_611 Mo-doped Iron Sulfides for Photocatalytic Hydrogen Evolution	LIRA Fabiane
16:30	62_653	120	62_653 Surface-Enhanced Raman Scattering Detection Platform by Using Self-Precipitation Au Nanoparticles on Titanium Dioxide Nanofibers	CHANG Yin-Hsuan

16:30	63_655	120	63_655 Dry-processed LiFePO ₄ electrode enabling fast and efficient electrochemical reactions in High-Energy-Density Lithium-ion batteries	KIHWAN Kwon
16:30	64_698	120	64_698 Synthesis of Phosphorus-Doped CuCo ₂ O ₄ Electrocatalysts for Oxygen Evolution Reaction	WANG Chia-Hsin
16:30	65_721	120	65_721 Controlled interfacial reactions with Co ₂ P nanoparticles onto natural graphite anode for fast-charging lithium-ion batteries	PARK Min-Sik
16:30	66_724	120	66_724 Exploring synergistically enhanced dual performance of Cu ₂ S/NiS/Ni ₃ S ₄ as electrode for hybrid supercapacitor device and catalyst for overall water splitting in alkaline and neutral media	DAS Arkapriya
16:30	67_728	120	67_728 Directly cast fibrous heterostructured FeNi _{0.9} Cr _{0.5} Al _{0.4} high entropy alloy with low-cost and remarkable tensile properties	JIANG Zhenfei
16:30	68_768	120	68_768 Photocycle of Zr-based MOF-808 and its interaction with Rhodamine B as a guest molecule	FICARRA Giuseppe
16:30	69_792	120	69_792 Kinetically Controlled Synthesis of Quasi-Square CsPbI ₃ Nanoplatelets with Excellent Stability	CHEN Mengyun
16:30	70_824	120	70_824 Design of MOFs/Cu nanocomposites as photo- and electrocatalysts for CO ₂ conversion	DASSOUKI Khaled
16:30	71_829	120	71_829 Preparation of transition metal dichalcogenide nanosheets for ultrasensitive surface-enhanced Raman scattering detection	LI Zijian
16:30	72_83	120	72_83 Modified UiO66 Photocatalyst for the Degradation of Tetracycline Antibiotic under Solar Irradiations ?	JALLOUL Ghadeer
16:30	73_848	120	73_848 Magneto-structural transitions driven giant magnetocaloric effect in Ni ₄₂ Mn ₄₃ Cr ₄ Sn ₁₁ nanocrystalline Shape Memory Heusler Alloy near room temperature	MANDAL Sourav
16:30	74_89	120	74_89 Rhodium substituted La _{0.85} Sr _{0.15} CoO ₃ electrocatalysts for Oxygen Evolution Reaction	SINGHAL Aditi
16:30	75_893	120	75_893 Comparative Analysis of Single- and Poly-Crystalline Layered Cathode Materials: Determining the Superior Choice	SEO Jae Kwon

16:30	76_925	120	76_925 Highly-ordered nanoparticles assembly in superstructures through slow destabilization	DIBENEDETTO Carlo Nazareno
16:30	77_933	120	77_933 Controlling the Ag overgrowth on gold towards novel core-shell nanoparticles	NAG Rahul
16:30	78_957	120	78_957 Design of Chiral Porous bio-hybrid materials as catalysts for CO ₂ conversion.	GOWDA Navaneeth Narayan
16:30	79_967	120	79_967 Tetrametallic porous nanoparticles with catalytic and electrocatalytic activity	ZÁMBÓ Dániel
16:30	80_980	120	80_980 Engineering memristive effects in Pr _{0.7} Ca _{0.3} MnO ₃ heterostructures by the degree of nanocrystallinity	BUCZEK Max
16:30	81_985	120	81_985 Synthesis and magnetism of oxide-free Mn nanocrystals	GRAPOTTE May-Line
16:30	82_999	120	82_999 Efficient Blue Photoluminescence from CsPbBr ₃ /Cs ₄ PbBr ₆ Heterostructures Embedded in Transparent Mesoporous Scaffolds.	ROMERO PÉREZ Carlos

Tuesday May 28
U04_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : CHEN Renjie - YADAV Raghvendra singh

08:45	1265	750	Infrared Colloidal Quantum Dot Optoelectronics: LEDs, Lasers and Photodetectors	KONSTANTATOS Gerasimos
09:15	114		InSb/InP core-shell colloidal quantum dots for sensitive and fast short-wave infrared photodetectors	PENG Lucheng
09:30	491		Integration of PbS Quantum Dots with 3D-graphene for High-performance Si-based Broadband Photodetection	ZHENG Li
09:45	1614		Temperature and pressure-dependent photoluminescence study of the gap temperature renormalization in CsPbBr ₃ nanocrystals	FASAHAT Shima

Tuesday May 28
U05_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : MAÇÔAS Ermelinda - YADAV Raghvendra singh

10:30	2659	INV	Revealing Key Chemical Insights in Solution- Based Thermoelectric Material Synthesis	IBÁÑEZ Maria
11:00	597		Flexible Paper Based Thermoelectric Generator using Cu ₂ SnS ₃ Nanocubes for Efficient Waste Energy Harvesting	DATTA Anuja
11:15	2002		Novel plasma-assisted approach for the synthesis of perovskite oxides nanomaterials	TARASENKA Natalie
11:30	216		High performance Si/C derived from biomass for anode in energy storage devices	CHAO Yimin
11:45	3065		Architecting Light-Weight, Flexible Thermoplastic Polyurethane Nanocomposites Embedded With Nickle-Doped Cobalt Ferrite Nanoparticles Alongwith Graphene For Excellent Electromagnetic Interference Shielding application	DESWAL Anju

Tuesday May 28
U06_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : RIZZO Aurora - YADAV Raghvendra singh

13:45	2731	INV	Effects of air pressure and temperature on gate-controlled electrical conduction and photoconduction of 2D materials	DI BARTOLOMEO Antonio
14:15	467		The efficient Terahertz response of structural architectures of Mxenes	PARIDA Manas Ranjan
14:30	853		WS2 & MoS2 from 3D to 1D structures: Curvature and chirality induced properties of nanotubes	ZAK Alla
14:45	1249		2D Materials for field emission: ReSe2 a case study	GIUBILEO Filippo
15:00	2715	INV	Charge- and magneto-transport in hybrid van der Waals heterostructures	ORGIU Emanuele
15:30	1392		Microcrystalline Two-Dimensional Layered Perovskite Heterostructures	KRAHNE Roman
15:45	2750		Unique morphology and application potentials of PLD-deposited h-BN thin films	VAJTAI Robert

Tuesday May 28
UP02_Poster session

ETOILE - FIRST FLOOR

16:30	03_1168	120	03_1168 A study on synthesis of green InP/ZnSe/ZnS quantum dots with P(DEA)3 as P precursor and their application to quantum dot light-emitting diodes	KIM Seongrae
16:30	04_124	120	04_124 Photo-Induced Negative Differential Resistance Behaviors Obtained from Reduced Titanium Dioxide Nanorods and Small Molecules	HAN Youngmin
16:30	05_1360	120	05_1360 Novel FET device production with MoO3 structures via resistive Joule heating	RODRIGUEZ FERNANDEZ Beatriz
16:30	06_1383	120	06_1383 Enzyme Encapsulation in Covalent Organic Frameworks for Enhanced Biocatalysis	ZHANG Yuanyuan

16:30	07_1384	120	07_1384 Microplasma engineering of shape-controlled plasmonic nanostructures for SERS-based sensing	CHIEN Tzu Hsiang
16:30	08_1402	120	08_1402 From Amorphous to Crystalline: Annealing Effects on the Crystallization and Coercivity Evolution in FeNi-based Ribbons	IGLESIAS Carlos
16:30	09_1409	120	09_1409 Luminescent zero dimensional inorganic perovskite for scintillator application	CALORA Mario
16:30	10_1411	120	10_1411 A double compatibilization strategy to boost the performance of p-i-n solar cells based on perovskite deposited in humid ambient air	VANNI Nadir
16:30	11_1457	120	11_1457 Discovery of Two-dimensional Hexagonal MBene HfBO and Exploration on its Potential for Lithium-Ion Storage	MIAO Nanxi
16:30	12_1458	120	12_1458 Depletion driven self-assembly of silver-gold pentagonal nanoprisms	MARCONE Jules
16:30	13_1461	120	13_1461 Computational discovery of novel U-N-C ternary phases as promising accident-tolerant fuels	DI Yaxin
16:30	14_1516	120	14_1516 Electrochemical reduction of HMF to synthesize added value compounds using CuAg electrodes	SOLERA-ROJAS Jose
16:30	15_1517	120	15_1517 Brightly luminescent and colour-tunable CsPbBr ₃ Nanocrystals with enhanced stability and room temperature cubic structure through codoping with MnCl ₂	DARWISH Elshaimaa
16:30	16_1529	120	16_1529 Deep learning for size classification of quantum dots from X-ray total scattering data	ALLARA Lucia
16:30	17_1531	120	17_1531 Study of lithium-aluminum layered double hydroxides synthesis behavior by the coprecipitation method based on analysis and characterization	HÚNGARO COSTA Raquel
16:30	18_1562	120	18_1562 Robust Plasmonic Nano-structures for SERS Sensing	TWADDLE Kieran
16:30	19_1564	120	19_1564 Trivalent Europium Ions Doped WO ₃ -WS ₂ Heterostructure Semiconductor Nanomaterials for Hydrogen Evolution Reaction in Acidic Media	PACHAURI Namrata
16:30	20_1582	120	20_1582 Laser-printed pyroelectric field effect transistors	SHEVCHENKO Mariia
16:30	21_1591	120	21_1591 Enhanced photoluminescence of plasma treated recycled glass microparticles	REMES Zdenek

16:30	22_1597	120	22_1597 Cu nanocrystals: synthesis by Pulsed Laser Ablation in Liquid and their characterization	LO PÒ Cristiano
16:30	23_1599	120	23_1599 Electrical and optical characterization of AlGaIn/GaN/Si HEMTs	MOSBAHI Hana
16:30	24_1602	120	24_1602 Theoretical and Experimental investigation on the lattice dynamics in the phase transition of the double-perovskite Ba ₂ ZnTeO ₆	GARCIA-CASTRO Andres Camilo
16:30	25_1605	120	25_1605 Elaboration of acrylate/zeolite composites and zeolitic monoliths by photopolymerization under Near UV/Visible Light	SIMON-MASSERON Angélique
16:30	26_1613	120	26_1613 Key materials design for lithium-sulfur batteries with high areal capacity	XI Kai
16:30	27_1626	120	27_1626 Study of vanadium dioxide based relaxation oscillators for neuromorphic applications	ALLEGRET Oihan
16:30	28_1644	120	28_1644 Photocatalytic activity of layered zirconium chloride nitride	HATAKEYAMA Kazuto
16:30	29_1652	120	29_1652 Evolution of low-dimensional phosphorus allotropes on Ag(111)	WANG Yihe (Alles)
16:30	30_1669	120	30_1669 Regulation of polarized upconversion photoluminescence via plasmonic nanostructure	HEO Namhyeon
16:30	31_1673	120	31_1673 Convergence Gas Sensors with One-Dimensional Nanotubes and Pt Nanoparticles for Room-Temperature NO ₂ Gas Sensing using Ultraviolet Photonic Energy	TAE-KYUN Moon
16:30	32_1713	120	32_1713 Unusual phenomena of negative magnetization in nanocrystalline Gd _{0.5} Sr _{0.5} MnO ₃ system	CHATTERJEE Soma
16:30	33_1742	120	33_1742 Novel on-chip device production with MoO ₃ structures via resistive Joule heating	RODRIGUEZ FERNANDEZ Beatriz
16:30	34_1756	120	34_1756 Induced magnetism in mixed surface functionalized Ti ₂ C MXene	SAKHRAOUI Taoufik
16:30	35_1777	120	35_1777 Size distribution determines the charge transport in ZnO quantum dot (QD)	SHOKRANI Morteza
16:30	36_1811	120	36_1811 1T on 2H MoS ₂ as cathode material for Zinc- Ion batteries	A S Asha
16:30	37_1827	120	37_1827 Tuning the flammability and surface chemical processes of silicon quantum dots using surface free energy	GALAR Pavel

16:30	38_1836	120	38_1836 Phase-transition-induced 1:1 ordering domain in Ba(Mg _{0.33} Nb _{0.67})O ₃ complex perovskite ceramics	ZHANG Lin
16:30	39_1844	120	39_1844 Mechanical behavior and constitutive modeling of Mg-Zn-Y alloy in electrically-assisted tensile test	ZHICHAO Xu
16:30	41_1873	120	41_1873 Clay supported iron oxide functionalized ZnO/g-C ₃ N ₄ quaternary photocatalyst for degradation of tricyclic antidepressant drug from aqueous matrices.	KUMARI Nisha
16:30	42_1876	120	42_1876 Role of Ligand Chain Length on Charge Carrier Harvesting in CsPbBr ₃ -TiO ₂ Nanocomposites	SHAH Syed Abdul Basit
16:30	43_1906	120	43_1906 Correlation between Microstructure and Properties of High Temperature Superconducting Nanostructured Films	GUPTA Kapil
16:30	44_1912	120	44_1912 3D diamond alpha detector with internal nanocarbon network electrodes	WATKINS Rebecca J
16:30	46_1941	120	46_1941 The photocatalytic performance of Li doped nano-porous spinel oxide gallate (MgGa ₂ O ₄) thick films	HUSEYNZADE Fatima
16:30	47_1946	120	47_1946 Nanocarbon network Ohmic contact for diamond power diodes	WATKINS Rebecca J
16:30	48_2010	120	48_2010 Label-free Histamine electrochemical detection with novel Bismuth based MOF	PARATORE Vincenzo
16:30	49_2019	120	49_2019 Strain study in Ge/Si and Ge/SiGe interfaces for quantum applications	RUIZ-CARIDAD Alicia
16:30	50_2054	120	50_2054 Ab initio study of metallic oxide based devices for neuromorphic computing	HONET Antoine
16:30	51_2075	120	51_2075 Revolutionizing Nanoscale Analysis: Bragg Coherent Diffractive Imaging of Functional Materials and Devices in Operando Conditions	FOHTUNG Edwin
16:30	52_2079	120	52_2079 Theoretical study of the structural, optical and ONL properties of some polyacetylene derivatives	Hafied Waheb
16:30	53_2087	120	53_2087 Synergistic Effect between Ethanol Capping Agent and Aluminium Promoter in Determining the Morphology of Al-Alloyed Hematite	GU Jinxing
16:30	54_2105	120	54_2105 Structural, optical and non-linear-ONL- optical analysis of halogen-substituted hexatriene	DJEBAILI Abdelbaki

16:30	55_2116	120	55_2116 Hydrothermal growth of MoS ₂ /MoO ₃ nanostructures from industrial waste powder for energy storage application	URSINO Federico
16:30	56_2180	120	56_2180 Impact of nanostructuring on the magnetic and optical properties of two new layered-kagome orthovanadates BaM ₃ (VO ₄) ₂ (OH) ₂ (M= Co, Zn)	HADRANE Bachchar
16:30	57_2189	120	57_2189 Synthesis of silver indium sulfide-based quantum dots and their in vitro testing in various cell lines	KAVANAGH Aoife
16:30	58_2216	120	58_2216 The Influence of Partial Spinel Oxide Phase Ratios to Photocatalytic Performance of Nano-Porous Thick Films	AKBABA Yesim
16:30	59_2247	120	59_2247 Spectroscopic Insights into "Canonical" Lead Sulfide Quantum Dots: Elucidating Concentration-Dependent Optical Properties and Emission Mechanisms	GREBEN Michael
16:30	60_2254	120	60_2254 Synthesis of BaZrO ₃ nanoparticles with microwave activation for high quality superconducting nanocomposites	TORRES Carla
16:30	61_2273	120	61_2273 Theoretical study of different structures of the cis-trans transition of substituted decapenta-ene by semi empirical AM1 and PM6	SKANDERI Zineb
16:30	62_2289	120	62_2289 Ab-initio and DFT study of the isomerisation kinetics of substituted decapentaene	SKANDERI Zineb
16:30	63_2351	120	63_2351 Understanding the Effects of Dopants and Substrates on the Photoemission of Monolayer MoS ₂ Flakes	MADONIA Antonino
16:30	64_2359	120	64_2359 Exploring Water in Diphenylalanine Nanotubes: A Molecular Dynamics Perspective	SOARES Márcio
16:30	65_2386	120	65_2386 Ultrafast photo-induced lattice dynamics in MoTe ₂ studied using ab-initio MD simulations and MeV Ultrafast Electron Diffraction (MUED)	ZIER Tobias
16:30	66_2387	120	66_2387 Antiperovskites as a platform for the emergence of negative oxidation states in transition metals.	GARCIA-CASTRO Andres Camilo
16:30	67_2402	120	67_2402 Enhancing Electrocatalytic Performance of High Entropy Alloys through Boron Addition for Sustainable Oxygen and Hydrogen Evolution Reactions	MAHDAVI Hossein

16:30	68_2563	120	68_2563 Tuning the luminescence and structural properties of single layer MoS ₂ for optoelectronic devices under thermally controlled conditions	SANGIORGI Emanuele
16:30	69_2682	120	69_2682 Synthesis and study of nano-heterostructures based on gallium oxide	DAULETBKOVA Alma
16:30	70_2867	120	70_2867 Formation of zinc selenite nanowires in track templates with unveiling of structural and luminescent properties	AKILBEKOV Abdirash
16:30	72_39	120	72_39 Development of Optoelectronic 'Artificial' Synapses using Vertical Graphene (sp ² C)-Diamond (sp ³ C) Heterojunctions as Neuromorphic Devices	GUPTA Sanju
16:30	73_402	120	73_402 Structural, optical, and electrical properties of (Yb-Er) co-doping ZnO thin films prepared by spray pyrolysis method	DINIA Selma
16:30	74_469	120	74_469 Ultra-Fast and Bright Cryogenic Scintillator of Methylammonium Lead Bromide Perovskite Single Crystal	MAHATO Somnath
16:30	75_47	120	75_47 Role of Aluminium in STE engineering in Cs ₂ AgInCl ₆ :Al Double Perovskite Nanocrystals	. Rachna
16:30	76_513	120	76_513 Phase transformation-driven self-reduction of Eu ³⁺ to Eu ²⁺ in calcium phosphate matrix	ZARKOV Aleksej
16:30	77_539	120	77_539 Optical studies on anisotropic Bi ₂ S ₃ and hybrid Bi ₂ S ₃ @Au Nanocomposites	MOYA ALVAREZ Carlos
16:30	78_676	120	78_676 Optical information encryption and anticounterfeiting using dual-mode upconversion nanoparticles	SAJWAN Shruti
16:30	79_712	120	79_712 Heterogeneous Nucleation and Growth of Colloidal Crystals on Seed Particles via Depletion Attraction	KIM Young Geon
16:30	80_717	120	80_717 Aggregation Induced Emission of Surface Ligand Controlled Gold Nanoclusters Employing Imidazolium Surface Active Ionic Liquid and pH Sensitivity	BERA Nanigopal
16:30	81_972	120	81_972 Gold nanoparticle metasurfaces for second harmonic generation	ROUVIÈRE Nina
16:30	78_2573	120	Influence of Weak Localization on the Mechanisms of Electric Charge Transfer in Strontium Ferromolybdate	Kim D.-H.
16:30	79_2745	120	Magnetic Properties of Strontium-Barium Ferromolybdate Films Obtained by the Spin-Coating Technique	Kim D.-H.

Wednesday May 29
U07_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : AMERI Tayebah - YADAV Raghvendra singh

08:45	553	INV	Nanostructures at Atomic Scale: From Energy and Environmental Applications to Quantum Devices	Arbiol Jordi
09:15	3023		Tuning of Plasmonic Response in High Aspect-Ratio Au Nanowires through Laser Irradiation: A TEM-EELS study	ARENAL Raul
09:30	3049		Characterization of Nanocrystal Ligands by Direct Analysis in Real Time Mass Spectrometry	VAN PATTEN P. Gregory
09:45	1169		Controlling the Architecture of Supracrystals through Self-Assembly of Polymer-Grafted Nanocrystals in Oil-in-Water Emulsions	YUN Hongseok

Wednesday May 29
U08_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : AMERI Tayebah - YADAV Raghvendra singh

10:30	1434	INV	Electronic Doped Quantum Dots: Synthesis and Their Optoelectronic Properties	ZHANG Jiatao
11:00	1571		Unveiling the 3D Magnetic Vortex Texture of Iron Oxide Nanoflowers	MOYA Carlos
11:15	1352		Nonlinear Electromagnetic Properties of Thinfilm Nanocomposites (CoFeZr) _x (MgF ₂) _{100-x}	DOMASHEVSKAYA Evelina
11:30	671		Synthesis and Characterization of Superparamagnetic Nanoparticles for Potential Application in Duchenne Muscular Dystrophy Treatment	HADDAD Paula
11:45	1470		Atmospheric cold plasma synthesis of iron oxide/graphene oxide nanocomposite	BJELAJAC Andjelika

Wednesday May 29
UP03_Poster session

ETOILE - FIRST FLOOR

13:45	02_1205	105	02_1205 Study on adsorption of ceria according to Ce ³⁺ /Ce ⁴⁺ concentration in Chemical Mechanical Planarization (CMP)	KIM Sunyoung
13:45	03_1374	105	03_1374 Memristive behaviour and formation of percolation paths of Ag nanoparticles in lateral metal-insulator-metal (MIM) memristive structures	BLUM Michaela
13:45	04_1375	105	04_1375 Seed Particle Phase Engineering in Ni-Assisted GaP Nanowire Growth	TIANYI Tianyi
13:45	05_1441	105	05_1441 Micromagnetic simulation of the size-dependent resonance modes in hexaferrite spherical nanoshells with large uniaxial magnetic anisotropy	STOEFFLER Daniel
13:45	06_1447	105	06_1447 Impedance analysis of lateral Pt/TiO(2-x)/Ag memristive structures	HONIG Hauke
13:45	07_1600	105	07_1600 1,2-dichlorobenzene gas-phase adsorption onto Nd ³⁺ exchanged FAU 13X zeolite – influence of the exchange rate on adsorbed amounts and desorption temperatures	SIMON-MASSERON Angélique
13:45	08_1610	105	08_1610 Comprehensive study of micro- and nanocrystalline NiO synthesized by Joule heating	RAMOS-RAMOS Diego Jose
13:45	09_1640	105	09_1640 Synergy effect of antiviral properties on polymeric composites with cation exchange zeolite and impregnated nanosilica	KWON Hyuk Jun
13:45	10_1668	105	10_1668 A new STI technology for enhancing reliability of the Gate First High-k Metal Gate DRAM	PARK Hyojin
13:45	11_1726	105	11_1726 Improvement in Force Efficiency of Amplified Self-healing Electrostatic Actuator by using Carbon-coated BaTiO ₃ Nanocubes	HUH Chul
13:45	12_1727	105	12_1727 Formation of perovskite PZT nanostructured films by plasma-driven electrolysis for piezo-microelectromechanical systems	TARASENKO Nikolai
13:45	13_175	105	13_175 Tunable sp-d exchange interaction in Mn doped Dilute Magnetic Semiconductor (DMS) Nanocrystals (NCs) by Magnetic Circular Dichroism Spectroscopy (MCD)	DAS Subham

13:45	14_176	105	14_176 Tunable sp-d exchange interaction in Mn doped Dilute Magnetic Semiconductor (DMS) Nanocrystals (NCs) by Magnetic Circular Dichroism Spectroscopy (MCD)	DAS Subham
13:45	15_1779	105	15_1779 Customized soft magnetic nanocrystalline powdered alloys developed by mechanical alloying or gas atomization	SUNOL Joan Josep
13:45	16_179	105	16_179 Probing the Effect of Dopants Clustering on Magneto-Optical Properties of Co, Pt doped CdS Nanocrystals by Magnetic Circular Dichroism Spectroscopy	DAS Subham
13:45	17_1971	105	17_1971 AgBiS ₂ quantum dots-based resistive switching devices featuring controlled conductance quantization	SHARMA Harshit
13:45	18_1996	105	18_1996 Formation of Si-Sn nanostructures by laser treatment of thin film multilayered targets under liquid layer	KORNEV Vladislav
13:45	20_2169	105	20_2169 Semiconductor Nanocrystal Optoelectronics	DEMIR Hilmi Volkan
13:45	21_2196	105	21_2196 Investigating ligand exchange reactions on the surface of InP/ZnSe/ZnS core/shell/shell QDs	TEYMOURI Elaheh
13:45	22_221	105	22_221 Synthesis of Metal-Organic Framework (MOF) adsorbents and their application for Xe/Kr separation	KIM Jinsoo
13:45	23_2283	105	23_2283 A flexible memory device made of SnO ₂ -hBN nanocomposite exhibits stable resistive switching application	KOMAL Km
13:45	24_232	105	24_232 Strong Piezocatalytic Response of La-doping BiFeO ₃ Nanoparticles: Role of Defects	AMDOUNI Wafa
13:45	26_2410	105	26_2410 Growth and optical properties by Spectrophotometric and Photoluminescence of CuSbS ₂ in thin films by thermal evaporation under vacuum.	CHAFFAR AKKARI Ferid
13:45	27_2413	105	27_2413 Growth and optical properties by Spectrophotometric and Photoluminescence of CuSbS ₂ in thin films by thermal evaporation under vacuum.	IDOUDI Mouna
13:45	28_2464	105	28_2464 Fabrication of 2D CuO nanosheet/MWCNT nanocomposite based electrode material for supercapacitor device applications	GHOSH Arnab
13:45	29_2465	105	29_2465 Application-specific Tuning of the Luminescence of Lanthanide-based Upconversion Nanocrystals	RESCH-GENGER Ute

13:45	30_2509	105	30_2509 Using modelling and simulation to account for magnetic-driven self-assembly and elongation of nanoparticles during in situ X-ray microscopy in liquid phase	SAOULI Nathalie
13:45	32_2608	105	32_2608 Advanced materials for mitigating nanoplastic contamination in water	AREZOU Fazli
13:45	33_2649	105	33_2649 Synthesis and characterization of ceramic high entropy carbide thin films from the Cr-Hf-Mo-Ta-W refractory metal system	DEBNAROVA Stanislava
13:45	34_2657	105	34_2657 Insights into Enhanced Electronic Excitation Tolerance in Ce _{0.8} Zr _{0.2} O ₂	KUMAR Vivek
13:45	35_2671	105	35_2671 Germanium/Silicon Core Shell Nanowires for Spin/Hole Qubits Fabricated by Chemical Vapour Deposition	FORRER Nicolas
13:45	36_2683	105	36_2683 Ultrasonically Synthesised CoFe ₂ O ₄ Nanoparticles and its Composite with Graphite Flakes for Enhanced EMI Shielding: A Comprehensive Investigation	MARIAPPAN Vanamoorthy
13:45	37_2696	105	37_2696 Multi-layered Thermoplastic Polyurethane Nanocomposites with Cobalt Ferrite Nanoparticles and Reduced Graphene Oxide for Electromagnetic Interference Shielding Application	WILSON Nithiya Hanna
13:45	38_2704	105	38_2704 Perpendicular Magnetic Anisotropy and Antiferromagnetic Exchange in FeCoB/HM/NiO Structures	KIRICHUK Grigorii
13:45	39_2729	105	39_2729 Metal Nitride/TiO ₂ Composites for Plasmon-Enhanced Photocatalytic Dye Degradation	SHEA Dreenan
13:45	41_2761	105	41_2761 3D- Plasmonic Crystal Using Nanosphere Lithography	DAS Gobind
13:45	44_2783	105	44_2783 Evaluating New Gallium Precursors for MOCVD of Ga ₂ O ₃	OBENLUENESCHLOSS Jorit
13:45	45_2795	105	45_2795 Highly Optimized Au-WS ₂ Nanohybrid Substrate for Biomolecular Detection by Surface-Enhanced Raman Spectroscopy	PRAKASH Om
13:45	46_2817	105	46_2817 Multi-colored Lanthanide Nanoparticles: Tailorable Synthesis, Color Tuning and Applications	ANDRESEN Elina
13:45	47_2823	105	47_2823 Chirality in ternary and quaternary I-III-VI luminescent nanocrystals: the role of the nanocrystal chemical composition on the transfer of chirality	BRANZI Lorenzo

13:45	48_2831	105	48_2831 Modeling the rf dielectric response of rare-earth doped ZnO/graphene nanocomposites	SANDU Titus
13:45	49_2838	105	49_2838 Porous 4H-SiC Flakes: From Production to Investigation	BARCELONA Matteo
13:45	50_284	105	50_284 Molten salt-assisted synthesis of carbo-nitride Ti ₂ AlC _{0.5} N _{0.5} and Ti ₃ AlCN MAX phases at low temperature	ROY Chiranjit
13:45	51_2877	105	51_2877 Designing Photon Upconverting Nanoparticles for Imaging and Sensing	MAHATA Manoj Kumar
13:45	52_2897	105	52_2897 Effect of Temperature on the Morphology of Cu ₂ O Nanocubes synthesized by a Surfactant Free Approach	SCHWARZ Tobias
13:45	53_2903	105	53_2903 mm-Wave natural ferromagnetic resonances in complex high anisotropy magnetic oxides	DIX Nico
13:45	54_2921	105	54_2921 Novel PDI—(linker-BODIPY) ₄ type emitter for Metamaterials applications	BESSONNET Jason
13:45	55_2924	105	55_2924 Resizing of silver nanoparticles generated via laser ablation in water as strategy to combat Peri-implantitis	FERNÁNDEZ-ARIAS Mónica
13:45	56_2933	105	56_2933 mm-Wave natural ferromagnetic resonances in complex high anisotropy magnetic oxides	DIX Nico
13:45	57_2936	105	57_2936 Optical and optoelectronic properties of inkjet-printed tin iodide 2D perovskite	VESCIO Giovanni
13:45	58_2952	105	58_2952 High entropy hydroxides as highly effective catalysts for the oxygen evolution reaction	SUNG Yi Cheng
13:45	59_298	105	59_298 Carbon Nanomaterials-Elastomer Composite Based Wearable Sensors for Extreme Point of Care Applications	MONDAL Titash
13:45	60_3006	105	60_3006 Growth and optical properties by Spectrophotometric and Photoluminescence of CuSbS ₂ in thin films deposited by GLAD technique.	IDOUDI Mouna
13:45	61_3011	105	61_3011 Effect of Thickness on the Physical Properties of Transparent Thin Film Copper Oxide (Cu _x O) Fabricated by Glancing Angle Deposition (GLAD)	GANNOUNI Jawher
13:45	62_3042	105	62_3042 Oxides-Based Wide Bandgap nanoparticles for self-powered solar-blind Deep UV applications	ROQAN Iman S

13:45	63_3045	105	63_3045 Exploring new routes to prepare thin films of square-planar Ni(II) complexes	VLCEK Jan
13:45	64_3048	105	64_3048 Utilizing superparamagnetic iron oxide nanoparticles for the removal of heavy metals from complex industrial waste streams - a novel, nano-enabled wastewater treatment	MEYER Madeleine
13:45	65_34	105	65_34 Tuneable Poisson's ratio of monolayer GeS and Ge2SSe	JANGIR Arun
13:45	66_35	105	66_35 Origin and Enhancement of the Piezoelectricity in Monolayer Group IV Monochalcogenides Under Strain and in the Presence of Vacancies	JANGIR Arun
13:45	67_360	105	67_360 Semiconductor Halide Perovskite Ferroelectrics	PATRA Biplab
13:45	68_377	105	68_377 Physical Unclonable Functions using Mixed ZnGa2O4 Nanoparticle of Randomly Distributed Particle-Sizes	CHOI Wangmyung
13:45	69_398	105	69_398 Surface and Structural Analysis of MBE grown (110)-oriented Pb1-xSnxTe Topological Crystalline Insulator	DAD Sania
13:45	70_4	105	70_4 Synthesis and Fatigue Lifetime Prediction of Nanocomposites	WOO Chang Su
13:45	71_427	105	71_427 Investigation of shape memory behaviour and mechanical performance of surface modified nanofibrillated cellulose reinforced thermoplastic elastomer	MAJI Purbasha
13:45	72_528	105	72_528 Green synthesis of (Co, Co/Zn, Zn)-ZIF-L with cuboid morphology for sorption of methyl orange	ROIK Nadiia
13:45	73_632	105	73_632 Radiation-induced effects in field-effect transistors based on reduced graphene oxide	OLENYCH Igor
13:45	74_665	105	74_665 Enhancing DRAM Characteristics by Structural modulation of Polycrystalline Silicon Contact for Dopant Diffusion Control	KIM Jina
13:45	75_727	105	75_727 Coupling mechanism and experimental analysis of nitrogen induced secondary defects evolution in 300 mm silicon wafers	ZHENG Li

Thursday May 30
U09_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : CHEN Renjie - MAÇÔAS Ermelinda

08:45	2964	INV	From amorphous carbon dots to well-defined nanographenes, is there a trend in the optical properties of such 0D nanocarbons?	MAÇÔAS Ermelinda
09:15	1046		Highly luminescent hetero-ligand MOF Nanocrystals with Engineered Stokes shift for Photonics Applications.	MONGUZZI Angelo
09:30	2645		Unlocking the Antimicrobial Potential of Cu ₂ -xS Nanoplasmonic Structures: Exploring the Role of Interface in Inhibiting Escherichia coli Growth	FANIZZA Elisabetta
09:45	1468		Retrosynthetic Pathway to High Entropy Nanoparticle Catalysts	SKRABALAK Sara

Thursday May 30
U10_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : AMERI Tayebah - RIZZO Aurora

10:30	1393	INV	Angular Luminescence Spectroscopy of Advanced Emitters and Light-Conversion Materials	BRAGA Daniele
11:00	237		Realizing narrow bandwidth photo- and electro-luminescence from silicon quantum dots	VEINOT Jonathan
11:15	681		Unravelling the charge carrier dynamics of gold superparticles	SCIORTINO Alice
11:30	1961		Efficiently photoluminescent nanoparticles in solid state matrices for day-time radiative-cooling surfaces: Broad-band optical characterization and in-situ testing of quantum yield under solar illumination	VALENTA Jan
11:45	2467		Absolute Determination of Photoluminescence Quantum Yields of Scattering LED Converter Materials – How to Get it Right	RESCH-GENGER Ute

Thursday May 30
U11_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : **AMERI Tayebah - MAÇÔAS Ermelinda**

13:45	2739	INV	Engineering Single-Particle and Collective Light Emission from Lead Halide Perovskite Nanocrystals	KOVALENKO Maksym
14:15	151		Exploring halogen-bonding in metal halide perovskites	STERGIOU Anastasios
14:30	425		Ultrafast and Radiation-Hard Lead Halide Perovskite Nanocomposite Scintillators	ZAFFALON Matteo L.
14:45	548		Elucidating the Physical Mechanisms behind the Amplified Spontaneous Emission Signatures in CsPbBr ₃ Nanocrystals Films	CERDÁN Luis
15:00	2609		Highly anisotropic organometal halide perovskites nanowalls grown by Glancing Angle Deposition	SANCHEZ-VALENCIA Juan Ramon
15:15	758		Effect of buffer layers in halide 2D perovskite memristors	GUERRERO CASTILLEJO Antonio
15:30	667		Predictive Design of Colloidal Epitaxial Heterostructures Demonstrated on Lead Halide Perovskites	TOSO Stefano
15:45	1495		Warm white light emission from Cs ₂ Na _{1-x} Ag _x In _{1-y} Bi _y Cl ₆ double perovskites microcrystals and nanoparticles	LAI Stefano

Thursday May 30
U12_Oral session

SCHWEITZER - GROUND FLOOR

Chairperson(s) : **AMERI Tayebah - YADAV Raghvendra singh**

16:30	2695	INV	Rapid laser-induced low temperature crystallization of thermochromic VO ₂ sol-gel thin films	MARTUCCI Alessandro
17:00	532		Oxide nanostructures – unveiling sensing ability for biomedical diagnostics	MUSIC Denis
17:15	1697		Autonomous Laboratory for Bespoke Synthesis of Nanoparticles	HAN Sang Soo

17:30	869	Mechanical Properties of Nanostructured Metallic Glasses	BRANICIO Paulo
18:00	1015	Two-step reshaping of gold nanotetrapods in solution	CONSTANTIN Doru
18:15	2841	Metallic nanoparticles synthesized by laser ablation as antibacterial agent	BOUTINGUIZA LAROSI Mohamed

