



## Young Researcher Awards 2024

NAME	First Name	Institution	Title of Research Project	Symposium
PEARSON	Patrick	Uppsala University	Thermal Admittance Spectroscopy for the Investigation of Composition-Dependent Behaviours in Wide-Gap (Ag,Cu)(In,Ga)Se <sub>2</sub>	A
MAHMOUD	Reda	Institute of Functional Materials and Catalysis, University of Vienna	Thermochemical Investigation of SnS <sub>2</sub> Anodes	C
GONDA LAZKANO	Alba	POLYMAT institute, University of the Basque country	Novel bio-based proton exchange membranes for PEMFCs	C
XINYUE	Chen	Institute of Materials Engineering	Electrochemical Nitrate Reduction Using Electrons Generated from Photoelectrocatalytic Methyl Orange Oxidation	D
MALLICK	Laxmikanta	Indian Institute of Technology Delhi	Electrocatalytic NH <sub>3</sub> Production using a Vacancy-Rich SnO <sub>2</sub> Quantum Dot Stabilized by Polyoxomolybdate in Water	D
LICCARDO	Letizia	CNR-ISM (Consiglio Nazionale delle Ricerche – Istituto Struttura della Materia)	Defect and Morphology Engineering in Colored TiO <sub>2</sub> Hollow Spheres Toward Efficient Photocatalysis	E
KUMAR	Shailendra	Indian Institute of Technology Delhi	Investigation of the Tribo-Photovoltaic Effect in a Metal/n-type GaAs Triboelectric Nanogenerator for Energy harvesting Applications	F
URREGO-ORTIZ	Ricardo	University of Barcelona and Institute of Theoretical and Computational Chemistry (IQTUB)	Correcting gas-phase errors in models of the electroreduction of carbon oxides	G
TONON	Alessandro	Department of Physics and Astronomy, University of Padova	Improved pulsed laser crystallisation of sputtered MoS <sub>2</sub> by controlling deposited film thickness	H
SZYMON	Radosław	Wroclaw University of Science and Technology	Oxide shells protecting GaN nanowires against photoadsorption, strain, and luminescence quenching	I
GKEKA	Despoina	King Abdullah University of Science and Technology (KAUST)	Interface Engineering using Self-Assembled Monolayers for efficient Perovskite and Organic Light-Emitting Diodes	J
MARIANI	Pablo	Laboratoire de Chimie de l'École Normale Supérieure de Lyon	Colloidal Assemblies of Chiral Plasmonic Nanoparticles	J
SHAIKH	Mohd Saif	Helmholtz-Zentrum Dresden-Rossendorf (HZDR)	Effect of device dimensions on the performance metrics of Si:Te PIN planar photodiodes for telecom bands detection at room temperature	K
ARDENGHI	Andrea	Paul-Drude-Institut für Festkörperelektronik	Incorporating Ba as compensating acceptor into $\beta$ -Ga <sub>2</sub> O <sub>3</sub> by molecular beam epitaxy (Abstract of the accepted oral contribution)	L
LONG	Fangchao	Helmholtz-Zentrum Dresden-Rossendorf	Defect induced magnetic phase transition in CrSBr	Q
CHENGNING	Yao	Imperial College London	Thermally conductive hexagonal boron nitride/polymer composites for efficient heat transfer	R
MARIAPPAN	Vanamoorthy	Tomas Bata University in Zlin	Incorporation of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles and Graphite Flakes in Cement Matrix and its Influence on Microwave Absorption Properties	R
LO PO	Cristiano	Dipartimento di Fisica e Astronomia "Ettore Majorana" – University of Catania	Recycled copper nanocatalysts – graphene oxide composite for sustainable water splitting: fabrication and characterization	S