Young Researcher Awards 2025

NAME	First Name	Institution	Title of Research Project	Symposium
NUGRAHA	Ivone Marselina	ICMCB/CNRS	Redefining Electrode Design: Conductive Polymers as PVDF/Carbon black Alternatives at the Positive Electrode of Li-Ion Batteries	A
BRAUN	Hugo	Empa Swiss Federal Laboratories	Room-Temperature Hydroborate Solid-State Batteries with High Areal Capacity Under Moderate Stack Pressure Enabled by a Silicon Nanocomposite Electrode	A
HELLO	Mouna	Mines Saint-Etienne	Behavior of Refractory Materials Under Hydrogen Atmospheres for the Direct Reduction of Iron Ore	B
CHRYSANTHI	Gkili	Université de Montpellier-Institut Européen des Membranes	Online/Operando Insights Into Cu-Al Bimetallic Catalysts For Efficient CO2 Electroreduction Toward Liquid Products	C
YAO	LI	University of Siegen	Enhanced Long-term Anthracene Detection and Degradation on Nanocrystalline boron-doped Diamond Electrodes	D
KOLODZIEJCZYK	Jan	Faculty of Physics, University of Warsaw	Outstanding Thermoelectric Properties of Functionalized 2D MXenes (ZT ~ 5)	E
SINGH	Nikhil	Indian Institute of Technology Delhi	High-Throughput and Data-Driven Discovery of Stable and Efficient Ternary Selenide Materials for Next-Generation Optoelectronics	E
KULKA	Teresa	Institute of Physics, University of Warsaw	Transport properties of carbon nanotube structures in ultrahigh magnetic field	F
DEHBASHI	Mohsen	Silesian University of Technology	Machine Learning-Enhanced Thermal Conductivity Measurements in Thin Films: Integrating Nanoscale Surface Topography and Thermal Analysis	G
REJMER	Adrianna	Łukasiewicz Research Network - Institute of Microelectronics and Photonics	Ultra-Low Impact Energy SIMS for Advanced Si-based Defects Characterization in GaAs	H
BOWEN	Liu	Nanjing University of Aeronautics and Astronautics	Exploring 4D-STEM in SEM with an Event-Driven Direct Electron Detector: Low-Dose, High-Speed, and Sparse Data	I
ALMEIDA E SILVA	Cláudia Sofia	University of Minho	Detection of Protease Activity using a Paper based Sensor	J
BHATTACHARJEE	Somnath	Indian Institute of Technology Jodhpur	High-accuracy Image Recognition using Biodegradable Synaptic Transistors Fabricated with Rhodophyta-extracted Materials	J
HEATON	Charles	University of Nottingham	Inkjet-Printing of LowD Materials: towards flexible and wearable healthcare sensing devices	K
AL-SHAMERY	Noah	Nanyang Technological University, School of Materials Science and Engineering	Nanoscale Melanin Patterning via Scanning Electrochemical Cell Microscopy (SECCM) for Nanoelectrode and Optical Applications	L
KUMAR	Suresh	Indian Institute of Technology Jodhpur	A Highly Sensitive and Selective Hydrogen Gas Sensor Based on WS2-Decorated PdSe2 Nanostructures	M

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KAUR	Simranjeet	Indian Institute of Technology Delhi	Pulsed laser deposition of bulk-like (111)- and (001)- NiO thin films	N
LO PO	Cristiano	Dipartimento di Fisica e Astronomia "Ettore Majorana" – University of Catania	Laser synthesis of transition metal oxide nanoparticles for titania nanotube decoration as efficient water splitting catalyst	N
KUMAWAT	Shivani	INDIAN INSTITUTE OF TECHNOLOGY, DELHI (IIT-DELHI)	Unveiling Half-Metallicity and Valley Polarization in Transition Metal-Substituted WSTe Monolayer	P
FUCHSBERGER	Andreas	TU Wien	Modulation-Acceptor-Doped SiGe Schottky Barrier Field-Effect Transistors	Q
ROCA-GIMENEZ	Núria	Universidad Complutense de Madrid	Sub-Bandgap Absorption in Silicon via Combined Surface Texturing and Gold Hyperdoping Using Pulsed Laser Melting	R
SINGH	Sneha	Indian Institute of Technology	Nanoengineered Capsule System Incorporating Gold Nanoparticles for Contrast-Enhanced Multimodal In Vivo Cell Tracking	S
YANG	Jiaqi	Catalan Institute of Nanoscience and Nanotechnology (ICN2)	Phonon Engineering in Twisted WS_2 Bilayers: Tunable Interfacial Thermal Transport for Advanced Thermal Management	S
JUST	Dominik	Silesian University of Technology	Wrapped Right: Targeted Extraction of SWCNTs with Conjugated Polymers	T
PERLIKOWSKI	Igor	Wrocław University of Science and Technology	Light, heat, action! ZnCdO:Eu for ultrafast broadband photodetection enhanced with pyro-phototronic effect	U
ZHANG	Guoxiu	Helmholtz-Zentrum Dresden-Rossendorf	Novel Low-emissivity Coating for Smart Windows Made of ALD-grown Al-delta-doped ZnO Superlattices	U
SPATARO	Giulia Maria	University of Padova	UV-nanosecond laser melting on in-situ P-doped Ge-on-Si and SiGe-on-Si epitaxial layers grown by LEPECVD	V
WEN	Peiting	Helmholtz-Zentrum Dresden-Rossendorf	Quantum imaging of vortex stray fields in a permalloy disk using spin defects in hexagonal boron nitride	W