

Posizione	Autore	Istituto	Titolo
HLS.01	Danilo Milardi	IC	The weird chemistry of Ubiquitin signalling: the effect of metal ions on diubiquitin chains containing luminescent lanthanide centers
HLS.02	Francesca Paoletti	IC	Differential Interactions between ATP and NGF / proNGF: Chance or Necessity?
HLS.03	Vincenzo Mancini	IC	Effect of zinc on copper transport proteins investigated by X-ray based techniques
HLS.04	Roberta Montanari	IC	New perspectives in human colorectal cancer: Novel N-(Heterocyclylphenyl) benzenesulfonamide as first selective small molecule ligand of the β -catenin armadillo repeats domain sharing an unreported binding site with TCF-4
HLS.05	Francesco Attanasio	IC	Metallostasis in bone tissue repair processes: involvement of hydroxyapatite derivatives
HLS.06	Tommaso Mecca	ICB	Design And Synthesis Of Calixarene-Based Cryopolymers For Environmental Pollutant Capture And Sensing
HLS.07	Rosaria Villano	ICB	Green Synthesis Of Bioactive Metabolites For The Chemical And Biomolecular Study Of The Microbiome
HLS.08	Gennaro Roberto Abbamondi	ICB	The Social Network Of Microorganisms
HLS.09	Paolo Ruzza	ICB	Peptides And Pnas Interacting With Nucleic Acids
HLS.10	Carmelo Drago	ICB	A Nature-Derived Chemical Library For Innovative Drug Development
HLS.11	Sonia Pedotti	ICB	Novel Cationic B-Cyclodextrin Bearing A Choline-Like Pendant, Synthesis, Characterization And Bactericidal Activity
HLS.12	Pietro Amodeo	ICB	StOrMoDB, A Versatile Chemoinformatic Resource Portal With Applications In Lab Workflow Management, Chemical Biology And Scientific Dissemination
HLS.13	Maria Letizia Ciavatta	ICB	Delving Into The Chemistry Of Plant Biodiversity From The South Mediterranean Basin
HLS.14	Beatrice Campanella	ICCOM	Vibrational spectroscopic analysis coupled with chemometric tools for the characterization of biological specimens
HLS.15	Davide Ninarello	ICMATE	NiTi self-knotting sutures: an innovative system for global healthcare challenges
HLS.16	Nicola Salvarese	IPCB	Copper ions complexes with S-methyl-N-methyl-dithiocarbazate: an insight into coordination chemistry and cytotoxic activity on cancer cells
HLS.17	Angelo Palmigiano	IPCB	A sweet treatment for Cohen syndrome suggested by N-Glycomic
HLS.18	Valentina Peluso	IPCB	3D Bioprinting and Cell-Laden Hydrogels Towards Advanced Tools for in-vitro Modelling of Cellular Crosstalk Between Engineered Tissues
HLS.19	Ashkan Bigham	IPCB	Therapeutic hybrid nanocomposite for bone cancer treatment
HLS.20	Stefania Dello Iacono	IPCB	pH-driven delivery of antioxidant Se-glycoconjugates through a flexible polymeric patch
HLS.21	Fabiana Tescione	IPCB	Effect of disulfide-reducing agent on gelling mucins
HLS.22	Ovidio Catanzaro	IPCB	Nano-in-nanofibers advanced dressing for spatio-temporal delivery of growth factors (GFs) in chronic wound healing
HLS.23	Arash Ghalayani Esfahani	IPCB	Antimicrobial coatings for health and life sciences applications

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HLS.24	Valentina Villari	IPCF	Self-polymerization of Dopamine on fluorescent carbon dots surface: a potential strategy for its quick detection
HLS.25	Antonino Mazzaglia	ISMN	Photosensitising Materials with Antimicrobial Photodynamic Action and Sensing Features
HLS.26	Ilenia Bracaglia	ISOF	Functionalized Graphene Oxide as sensing element for the amperometric detection of Na ⁺ and K ⁺ in sweat
HLS.27	Arianna Rossi	ISSMC	Contactless magnetically responsive injectable hydrogel for the treatment of neuromusculoskeletal injuries
HLS.28	Elisabetta Campodoni	ISSMC	Biomimetic matrices for the design of 3D engineered pathological models: towards personalized therapies
HLS.29	Simona Salerno	ITM	Membrane drug loading and release for skin tissue regeneration, repair and protection
HLS.30	Sabrina Morelli	ITM	PLGA membrane system to model neuroinflammation
HLS.31	Ivan Bassannini	SCITEC	Target-oriented drug development: unraveling the molecular interaction between Leishmania braziliensis molecular chaperone Hsp90 and a celastrol carboxamide derivative
HLS.32	Denise Galante	SCITEC	Engineered Extracellular Vesicles Derived from Mesenchymal Stem Cells: A New Theranostic Platform for Precision Medicine in Alzheimer's Disease
HLS.33	Laura Ragona	SCITEC	NMR tools for innovative molecular approaches in nanomedicine
HLS.34	Benedetta Righino	SCITEC	Computational and artificial intelligence methods for drug discovery and molecular modeling: powerful tools for the development of novel pharmacological therapies
CH.01	Ombretta Tarquini	IC	Different approaches in Archaeometry: from X-rays to algae and more
CH.02	Giuseppe Granata	ICB	Ecofriendly antimicrobial agents and biocleaning treatment for the conservation-restoration of cultural heritage
CH.03	Giulia Lorenzetti	ICCOM	The 'Madonna delle Grazie' of Andrea del Sarto/Giovanni Antonio Sogliani: a multi-analytical study
CH.04	Luca Nodari	ICMATE	Conservation of Modern and Contemporary art: intrinsic and environmental factors promoting alteration processes
CH.05	Marino Lavorgna	IPCB	Advanced Polymer-based Materials for the Conservation of Cultural Heritage: Design, Synthesis and Validation of VOCs Adsorbents
CH.06	Dario Giuffrida	IPCF	Use of recycled paper as eco-friendly SERS sensor in Cultural Heritage diagnostics: some case studies
CH.07	Gabriella Di Carlo	ISMN	Towards a sustainable and reliable conservation of metal artefacts: materials from waste and renewable sources as an opportunity
CH.08	Maria Pia Casaletto	ISMN	The evolution of chemical technologies and materials toward a sustainable conservation of cultural heritage
CM.01	Fabrizio Clemente	IC	New territorial medicine. Experimentation in Tigullio

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CM.02	Silvia Rinaldi	ICCOM	Computational and Spectroscopic Studies of phosphorene interactions with protein models to foster potential biomedical applications	Computational Modeling
CM.03	Cheherazade Trouki	IPCF	ReaxFF molecular dynamics simulations to explore the structure and drug delivery process of ZnO nanoparticles	
CM.04	Giacomo Saielli	ITM	MD simulations of membranes for water desalination based on discotic ionic liquid crystals	
CM.05	Leonardo Belpassi	SCITEC	Trapping and activating small molecules of environmental interest with apolar covalent bond	
CM.06	Mario Italo Trioni	SCITEC	Stability and electronic properties of graphene nanoflakes	
SC.01	Annamaria Mazzone	IC	RootProf: A Software Program for Model-Free Analysis of unidimensional Profiles with Enhanced Capabilities	Software Corner
SC.02	Teresa Sibillano	IC	SunBIM: A package for X-ray imaging of nano- and biomaterials using SAXS, WAXS, GISAXS and GIWAXS techniques	
SC.03	Rosanna Rizzi	IC	CrystalMELA: an innovative crystallographic machine learning platform for crystal system identification	
SC.04	Pietro Amodeo	ICB	StOrMoDB, A Versatile Chemoinformatic Resource Portal With Applications In Lab Workflow Management, Chemical Biology And Scientific Dissemination	
GCS.01	Ida Romano	ICB	Extremophile Microbial Resources toward Green, Healthy and Sustainable Future	Green Chemistry and Sustainability
GCS.02	Michele Casiello	ICCOM	New Catalytic System Based on "Non critical material" for Energy Application	
GCS.03	Daniele Franchi	ICCOM	Sustainable cross-coupling protocol: Miyaura borylation and one-pot coupling in Deep Eutectic Solvents (DES)	
GCS.04	Carmen Moreno - Marrodán	ICCOM	Upgrade of plastic waste to high added value monomers	
GCS.05	Francesco Barzagli	ICCOM	Catalyst-aided regeneration of nonaqueous amine sorbents: an unconventional approach for energy-efficient CO2 capture processes	
GCS.06	Alessia Cabrini	IPCB	Coating sostenibili per il food packaging: materiali e tecnologie innovative di deposizione	
GCS.07	Maria Varsalona	IPCF	Purple bacteria in mussel inspired polymer to control photosynthetic growth and polymerization	
GCS.08	Leonardo Arrighetti	IPCF	Cutin by-products in designing of green materials	
GCS.09	Rosaria Ciriminna	ISMN	Sol-gel microencapsulation for the synthesis of multifunctional green materials	
GCS.10	Giuseppe Fierro	ISMN	Pt,Pd,Rh/TiO2-ZrO2 and Pt,Pd,Rh/TiO2-ZrO2-CeO2 systems as promising catalysts for the simultaneous SCR of N2O and NO by CH4: study of the catalytic behaviour and of the active sites	
GCS.11	Camilla Fusacchia	ISSMC	Extraction of calcium phosphate and collagen from fish industry by-products: A design of experiment approach	
GCS.12	Valentina Medri	ISSMC	Geopolymer technology for the ecological transition	

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Posizione	Autore	Istituto	Titolo	
GCS.13	Elena Landi	ISSMC	Construction and demolition wastes for valuable eco-sustainable geopolymer materials	Chemistry and Materials for Energy
GCS.14	Serena Regina	ITM	Development of polyvinylidene fluoride/alkali lignin membranes and their performance in oily wastewater treatment	
GCS.15	Francesca Russo	ITM	Green solvents and biopolymers - new platforms in the membrane preparation	
GCS.16	Teresa Poerio	ITM	Membrane processes to reduce micro/nanoplastic pollution in wastewater	
GCS.17	Francesca Alessandro	ITM	A study of membrane distillation and crystallization for water and minerals recovery from produced water	
GCS.18	Alessandra Criscuoli	ITM	MEASURED project: Advances in Membrane Distillation research line	
GCS.19	Stefano Gandolfi	SCITEC	Enzymatic Plastic Waste Deconstruction	
GCS.20	Serena Silvano	SCITEC	Bio-based Resins from vegetable oils	
GCS.21	Raffaella Soave	SCITEC	Catalytic oxidative degradation of highly hazardous chemical and biological contaminants over sulfonic acid ion-exchange resins	
CME.01	Marco Bellini	ICCOM	Hydrogen and Chemicals from Renewable Alcohols Electroreforming	Chemistry and Materials for Energy
CME.02	Claudio Evangelisti	ICCOM	Supported Platinum-based catalysts obtained by advanced synthetic approaches for aqueous-phase reforming processes	
CME.03	Maria Teresa Buscaglia	ICMATE	Smart polymer-ceramic composites with enhanced efficiency and sustainability for energy harvesting and storage	
CME.04	Barbara Vercelli	ICMATE	Polaron Self-Formation in Conjugated Polyelectrolytes Water Solutions: The Case of CPE-2K and CPE-K	
CME.05	Stefano Fasolin	ICMATE	Development of sustainable metal membranes for hydrogen separation	
CME.06	Silvana De Iuliis	ICMATE	Flame Spray Synthesis of nanooxide for energy applications	
CME.07	Leonarda F. Liotta	ISMN	Addressing the CO ₂ challenge thorough termocatalytic conversion into green H ₂ for sustainable processes	
CME.08	Alex Sangiorgi	ISSMC	Advanced production processes for energy-related ceramics	
CME.09	Nicola Sangiorgi	ISSMC	Dye-sensitized solar cells materials, devices and modules for different applications	
CME.10	Maria Penconi	SCITEC	Organometallic Photoactive Molecules: versatile materials for VIS-NIR optoelectronics and beyond	
AM.01	Francesca Cicogna	ICCOM	Active packaging features: bioactive compounds' migration, antioxidant, antimicrobial and UV blocking properties	Advanced Materials
AM.02	Eva Santini	ICMATE	Emulsions and foams under reduced gravity: from the study of the stability mechanisms to materials for lunar exploration	
AM.03	Sofia Gambaro	ICMATE	HEAs/ceramic interfaces: wetting, liquid interfacial reactivity and CALPHAD modeling	
AM.04	Jacopo Focchi	ICMATE	Design and characterisation of novel age-hardening high entropy alloys	
AM.05	Enrico Garbin	ICMATE	Geopolymer binders for greener and performant building materials	
AM.06	Sandro Dattilo	IPCB	Polymers for environmental applications, in the framework of IPCB Catania unit projects	

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AM.07	Loredana Schiavo	IPCB	Natural clinoptilolite lamellas obtained by using a simple mineral exfoliation technique
AM.08	Federico Olivieri	IPCB	Twofold anticorrosive effect of polymer coatings containing stimuli-responsive mesoporous silica nanocarriers
AM.09	Alessandro Magazzù	IPCF	Optical and Raman tweezers for the manipulation and characterization of cosmic dust
AM.10	Silvie Bernatova	IPCF	Enhanced Raman spectroscopy for small nanoplastics detection
AM.11	Adriana Gandolfo	IPCF	Novel Hybrid Nanocomposites Coatings based on Reduced Graphene Oxide decorated with Shape Controlled Ag Nanoparticles for Textiles Coating Applications
AM.12	Carlo Nazareno Dibenedetto	IPCF	Functional nanostructured materials by wet chemistry synthetic approaches
AM.13	Sebastiano Trusso	IPCF	Is SERS with ligands and gold nanofilm the key to rapid and sensitive hemoglobin assay?
AM.14	Bejoy Mohan Das Kochan Sathyaseelan	ISOF	Short-bridged Binuclear Iridium(III) Complexes for Bright Phosphorescent OLEDs
AM.15	Emanuele Treossi	ISOF	Laser patterning of polymer composites with graphene, graphene oxide and aramid fibers, for the production of electric devices
AM.16	Pietro Galizia	ISMMC	IV-B group transition metals borides for the fusion
AM.17	Michele Dondi	ISMMC	Inventory of the Italian mineral resources for the ceramic industry
AM.18	Adriano Vignali	SCITEC	Rotational Moulding innovation as a way to sustainability in polymer processing