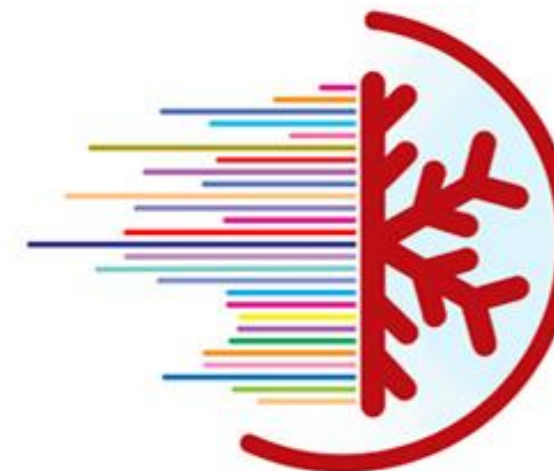


PROGRAMMA SCIENTIFICO XIII CONVEGNO INSTM

Sestriere, 23-26 gennaio 2022



DOMENICA 23 GENNAIO

14,00 REGISTRAZIONE

15,50-16,00 Opening

16,00-16,30 **INVITED LECTURE Luigi NICOLAIS FROM RESEARCH TO BUSINESS**

SESSIONE 1 - MATERIALS AND TECHNOLOGIES FOR H₂ ECONOMY

16,30-16,50	KEY NOTE 1	Vincenzo BAGLIO	INFLUENCE OF OPERATING CONDITIONS ON THE PERFORMANCE OF AN ANION EXCHANGE MEMBRANE ELECTROLYSER
16,50-17,00	O 1.1	Marcello BARICCO	CHALLENGES FOR HYDROGEN HANDLING
17,00-17,10	O 1.2	Marina CABRINI	EFFECT OF REVERSIBLE AND IRREVERSIBLE TRAPS ON HYDROGEN DIFFUSION IN PIPELINE STEELS
17,10-17,20	O 1.3	Antonio COMITE	PALLADIUM BASED MEMBRANES FOR HYDROGEN SEPARATION AT HIGH TEMPERATURE
17,20-17,30	O 1.4	Marcello CONDORELLI	HIGHLY EFFICIENT LASER ENGINEERED PHOTOCATALYSTS FOR SOLAR H ₂ PRODUCTION
17,30-17,40	O 1.5	Vito DI NOTO	BROADBAND ELECTRICAL SPECTROSCOPY STUDIES TO ELUCIDATE CONDUCTIVITY AND RELAXATION PHENOMENA IN ANION EXCHANGE MEMBRANES
17,40-17,50	O 1.6	Isabella NICOTERA	HYBRID ANION-EXCHANGE MEMBRANES BASED ON POLYSULFONE AND LAYERED DOUBLE HYDROXIDE: TRANSPORT PROPERTIES AND CARBONATION STUDY
17,50-18,00	O 1.7	Siglinda PERATHONER	RECORD PERFORMANCES IN ARTIFICIAL LEAF-TYPE DEVICE FOR CO ₂ CONVERSION TO FORMIC ACID
18,00-18,10	O 1.8	Carlo PIROLA	IRON BASED NANO-HYDROTALCITES PROMOTED WITH Cu AND K AS CATALYSTS FOR FISCHER-TROPSCH SYNTHESIS IN BIOMASS TO LIQUID PROCESS
18,10-18,20	O 1.9	Mauro RICCÒ	HYDROGEN STORAGE IN ALKALI CLUSTER INTERCALATED FULLERIDES
18,20-18,30	O 1.10	Paolo SGARBOSSA	NEW ANION CONDUCTING POLYMERS BASED ON FUNCTIONALISED POLYKETONES

19,00 WELCOME PARTY



LUNEDÌ 24 GENNAIO

SESSIONE 4 - MATERIALS AND TECHNOLOGIES FOR INNOVATIVE AND SUSTAINABLE MANUFACTURING – PART 1

9,00-9,20	KEY NOTE 4	Vincenzo SGLAVO	FLASH AND COLD SINTERING: INNOVATIVE SUSTAINABLE TECHNOLOGIES FOR CERAMICS MANUFACTURING
9,20-9,30	O 4.1	Alessandra BIANCO	CEMENTITIOUS NANOCOMPOSITES FOR CLIMA-RESILIENT CONSTRUCTION: THE CHALLENGE OF 2-D CARBON NANOSTRUCTURES
9,30-9,40	O 4.2	Aldo CANOVA	ADDITIVE MANUFACTURING AND APPLICATIONS OF FeSi _{2,9} SOFT MAGNETIC MATERIAL
9,40-9,50	O 4.3	Alberto CASTELLERO	ADDITIVE MANUFACTURING OF AlSi ₁₀ Mg ALLOY: COMPARISON WITH RAPID SOLIDIFICATION PROCESSING AND EVALUATION OF RESIDUAL STRESSES
9,50-10,00	O 4.4	Gianluca CICALA	GREEN THERMOSET FOR GREEN COMPOSITES: DEVELOPING STRATEGIES FOR FULLY RECYCLABLE GREEN THERMOSET BASED COMPOSITES
10,00-10,10	O 4.5	Andrea COSOLA	PUSHING BEYOND THE BORDERS OF 3D: 4D-PRINTING OF H-BOND STABILIZED SHAPE MEMORY POLYMERS
10,10-10,20	O 4.6	Enrico DALCANALE	STIMULI RESPONSIVE POLYMERS VIA MOLECULAR RECOGNITION
10,20-10,30	O 4.7	Maria Grazia DE ANGELIS	EVALUATING SUSTAINABLE MATERIALS FOR MEMBRANE SEPARATIONS THROUGH MOLECULAR SIMULATIONS: THE CASE OF POLYXYDROXYALKANOATES (PHA)

COFFEE BREAK

11,00-11,10	O 4.8	Giulia DI IORIO	ENVIRONMENTAL BARRIER COATINGS (EBC) BASED ON RARE EARTH SILICATES FOR THE PROTECTION OF AIRCRAFT ENGINES COMPONENTS: OPTIMIZATION OF PROCESS PARAMETERS AND CHARACTERIZATION
11,10-11,20	O 4.9	Andrea DORIGATO	MULTIFUNCTIONAL STRUCTURAL COMPOSITES FOR THERMAL ENERGY STORAGE APPLICATIONS
11,20-11,30	O 4.10	Sergio LORENZI	METALLURIC DEFECTS AND CORROSION BEHAVIOUR OF ALLOY 625 OBTAINED BY MEANS OF METAL FUSED FILAMENT FABRICATION
11,30-11,40	O 4.11	Angela MALARA	SUSTAINABLE PROCESSES FOR THE RECOVERY OF CRITICAL RAW MATERIALS
11,40-11,50	O 4.12	Daniel MILANESE	VISCOELASTIC AND AGEING BEHAVIOUR OF POLY(BUTYLENE ADIPATE-CO-TEREPHTHALATE)-BASED BIOCOMPOSITES
11,50-12,00	O 4.13	Monia MONTORSI	FORMULAZIONE E ANALISI TERMICA DI MATERIALI A CAMBIAMENTO DI FASE PER SCAMBIATORI DI CALORE IN AMBITO EDILIZIO
12,00-12,10	O 4.14	Davide MORSELLI	A FURTHER STEP IN THE TRANSITION FROM PLASTICIZERS TO BIOPLASTICIZERS BY CONVERTING LEVULINIC ACID IN KETAL-ESTERS
12,10-12,20	O 4.15	Gianni PECORINI	ADDITIVE MANUFACTURING OF POLY(3-HYDROXYBUTYRATE-CO-3-HYDROXYVALERATE)-BASED COMPOSITES FOR BONE REGENERATION
12,20-12,30	O 4.16	Edoardo ROSSI	MECHANICAL PROPERTIES OF 3D PRINTED NANO-ARCHITECTED METAMATERIALS

PAUSA PRANZO

LUNEDÌ 24 GENNAIO

SESSIONE 5 - MATERIALS MODELLING: DATA SOURCES AND COMPUTATIONAL METHODS

15,30-15,50	KEY NOTE 5	Michele PAVONE	HETEROGENEOUS FUNCTIONAL MATERIALS FOR POST-Li ENERGY STORAGE DEVICES: NEW PERSPECTIVES FROM QUANTUM CHEMISTRY
15,50-16,00	O 5.1	Enrico BODO	GREEN AND BIOCOMPATIBLE IONIC LIQUIDS: COMPUTATIONAL DESCRIPTION, CHALLENGES AND PERSPECTIVES
16,00-16,10	O 5.2	Luca BRUGNOLI	COMPUTATIONAL STUDY OF CERIUM OXIDE-BASED MATERIALS FOR CATALYTIC APPLICATIONS
16,10-16,20	O 5.3	Marta CORNO	FROM BIOMATERIAL INTERFACES TO HYDROGEN STORAGE HYDRIDES: HOW QUANTUM-MECHANICAL CALCULATIONS CAN SHED LIGHT ON ADVANCED MATERIALS
16,20-16,30	O 5.4	Lorenzo DONÀ	DRUGS INCAPSULATION IN METAL-ORGANIC FRAMEWORK: A COMPUTATIONAL STUDY
16,30-16,40	O 5.5	Francesca FASULO	AB INITIO STUDY OF VINYLENE CARBONATE REACTIVITY AT LITHIUM METAL INTERFACE
16,40-16,50	O 5.6	Mariagrazia FORTINO	DESIGN OF PHOTOACTIVE CHIRAL NANOMATERIALS THROUGH MODELING AND SIMULATIONS
16,50-17,00	O 5.7	Adriana PECORARO	NICKEL OXIDE AND COPPER-BASED HOLE TRANSPORT MATERIALS FOR SOLAR CELL APPLICATIONS: A FIRST-PRINCIPLES STUDY

COFFEE BREAK

17,30-17,40	O 5.8	Damiano RICCIARELLI	HYDROGEN PRODUCTION FROM TIN-HALIDE PEROVSKITES, INVESTIGATING STABILITY AND REACTIVITY
17,40-17,50	O 5.9	Eleonora VOTTERO	H ₂ -INDUCED RECONSTRUCTION IN A Pt/Al ₂ O ₃ CATALYST: A COMPLEMENTARY FT-IR, INS AND DFT STUDY

SESSIONE 4 - MATERIALS AND TECHNOLOGIES FOR INNOVATIVE AND SUSTAINABLE MANUFACTURING – PART 2

17,50-18,00	O 4.17	Claudia SERGI	AGGLOMERATED CORK: A NATURAL CORE MATERIAL TO IMPROVE SANDWICH STRUCTURES ECO-FRIENDLINESS AND CRASHWORTHINESS
18,00-18,10	O 4.18	Claudio TOSTO	PRODUCTION AND CHARACTERIZATION OF DENSE 17-4 PH METAL PARTS FFF PRINTED BY DESKTOP PRINTER
18,10-18,20	O 4.19	Luca VALENTINI	MANUFACTURE OF HEALABLE, BIOCOMPATIBLE AND PRINTABLE SILK FIBROIN-GRAPHENE ADHESIVES WITH PIEZOELECTRIC PROPERTIES
18,20-18,30	O 4.20	Enrico VIRGILLITO	PRODUCTION, CHARACTERIZATION AND FEASEBILITY OF INNOVATIVE Al-Fe ALLOYS FOR LASER POWDER-BED FUSION TECHNOLOGY

18,30 **POSTER SESSION P01-P17**

MARTEDÌ 25 GENNAIO

SESSIONE 2 - GREEN CHEMISTRY AND PROCESSES

9,00-9,20	KEY NOTE 2	Francesco Paolo LA MANTIA	LA (BIO)ECONOMIA CIRCOLARE: NUOVA OPPORTUNITÀ PER IL CONSORZIO
9,20-9,30	O 2.1	Alessandro BEDUINI	α -AMINO ACID-DERIVED POLYAMIDOMINES AS FLAME RETARDANTS FOR COTTON FABRICS
9,30-9,40	O 2.2	Stefano CAPORALI	MAGNETRON SPUTTERED PEROVSKITE THIN FILMS FOR OPTOELECTRONICS APPLICATIONS
9,40-9,50	O 2.3	Margherita CAVALLO	CO ₂ CAPTURE AND STORAGE BY USING INORGANIC POROUS MATERIALS AT DIFFERENT TEMPERATURES
9,50-10,00	O 2.4	Jessica DE SANTIS	SUSTAINABLE LIQUID-PHASE EXFOLIATION OF LAYERED MATERIALS WITH NONTOXIC POLARCLEAN SOLVENT
10,00-10,10	O 2.5	Giulia FREDI	BIODERIVED FURANOATE POLYESTERS FOR SUSTAINABLE PACKAGING: EFFECT OF CARBON NANOFILLERS ON THE MECHANICAL AND FUNCTIONAL PROPERTIES
10,10-10,20	O 2.6	Gabriella GARBARINO	Cu-ZnAl ₂ O ₄ CATALYSTS FOR ACETALDEHYDE PRODUCTION: EFFECT OF SYNTHETIC PROCEDURES
10,20-10,30	O 2.7	Enrica GIANOTTI	RATIONAL DESIGN OF BIFUNCTIONAL HIERARCHICAL CATALYSTS FOR THE SYNTHESIS OF TETRAHYDROFURAN DERIVATIVES FROM FURFURAL

COFFEE BREAK

11,00-11,10	O 2.8	Alberto GIUBILINI	FROM BIO TO BIO: FABRICATION OF BIO-BASED COMPOSITES FOR BIOMEDICAL APPLICATION THROUGH AN ECO-FRIENDLY ADDITIVE MANUFACTURING PROCESS
11,10-11,20	O 2.9	Giovanni GOLEMME	ARSENIC PHOTOCATALYTIC OXIDATION OVER TiO ₂ -LOADED SBA-15
11,20-11,30	O 2.10	Marina MADDALONI	FOOD WASTE-BASED HYBRID HYDROGELS FOR CAPTURE, DETECTION AND REMOVAL OF WATER POLLUTANTS
11,30-11,40	O 2.11	Haroon MAHMOOD	EVALUATION OF THERMOMECHANICAL PROPERTIES OF RIGID POLYURETHANE FOAMS REINFORCED WITH POLYVINYL CHLORIDE PARTICLES
11,40-11,50	O 2.12	Elisa MARUCCIA	INSIGHTS INTO THE CO ₂ ADSORPTION PROPERTIES OF NITROGEN-CONTAINING ORDERED MESOPOROUS CARBONS
11,50-12,00	O 2.13	Emilia PAONE	THE BASIC CATALYSIS OF LIGNIN-FIRST BIOREFINERY
12,00-12,10	O 2.14	Giovanni PEROTTO	VALORIZATION OF VEGETABLE BIOMASS AS MOLDABLE BIOCOMPOSITES
12,10-12,20	O 2.15	Alberto RUBIN PEDRAZZO	MECHANOCHEMICAL SYNTHESSES OF β -CYCLODEXTRIN POLYMERS BASED ON NATURAL DEEP EUTECTIC SOLVENTS
12,20-12,30	O 2.16	Gianluca VISCUSI	HEMP FIBERS MODIFIED WITH GRAPHITE OXIDE AS GREEN AND EFFICIENT SOLUTION FOR WATER REMEDIATION

PAUSA PRANZO

15,30 **EVENTO SOCIALE**

18,30 **POSTER SESSION P18-P35**

20,00 **CENA SOCIALE**

MERCOLEDÌ 26 GENNAIO

SESSIONE 3 - MATERIALS AND TECHNOLOGIES FOR ELECTROCHEMICAL ENERGY STORAGE

9,00-9,20	KEY NOTE 3	Sergio BRUTTI	Li-RICH LAYERED OXIDES (LRLO) FOR LITHIUM CELLS: PUSHING POSITIVE ELECTRODES TO THEIR LIMITS
9,20-9,30	O 3.1	Federico BROMBIN	STRUCTURE, COORDINATION AND CONDUCTIVITY STUDIES IN POE-BASED POLYMER ELECTROLYTES FOR CALCIUM SECONDARY BATTERIES
9,30-9,40	O 3.2	Daniele CALLEGARI	SYNTHESIS AND CHARACTERIZATION OF $\text{LiFe}_x\text{Mn}_y\text{Ti}_z\text{O}_4$ AS NOVEL CATHODES FOR HIGH ENERGY DENSITY LITHIUM-ION BATTERIES
9,40-9,50	O 3.3	Mattia CANINI	LITHIATION MECHANISM IN HIGH-ENTROPY OXIDES AS ANODE MATERIALS FOR Li-ION BATTERIES: AN OPERANDO XAS STUDY
9,50-10,00	O 3.4	Giovanni CRIVELLARO	A GREEN AND NON-TOXIC ACETATE BUFFER TO IMPROVE THE PERFORMANCE OF ZINC-POLYIODIDE REDOX FLOW BATTERIES
10,00-10,10	O 3.5	Hamideh DARJAZI	ENHANCED CYCLING STABILITY OF $\text{LiNi}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33}\text{O}_2$ LAYERED OXIDE CATHODES BY DOPING AND COATING FOR RECHARGEABLE LITHIUM-ION BATTERIES
10,10-10,20	O 3.6	Stefania DAVINO	PHOTOCURED SELF-HEALING POLYMERS AS QUASI-SOLID ELECTROLYTES FOR Li-ION BATTERIES
10,20-10,30	O 3.7	Gabriele LINGUA	INNOVATIVE SINGLE ION CONDUCTING BLOCK COPOLYMERS FOR LITHIUM METAL BATTERIES

COFFEE BREAK

11,00-11,10	O 3.8	Giacomo MAGNAN	SECOND LIFE OF CARBON WASTE MATERIALS FOR ENERGY STORAGE APPLICATIONS
11,10-11,20	O 3.9	Alberto MORENGHI	FLEXIBLE LASER INDUCED GRAPHENE-BASED MICRO-SUPERCAPACITORS
11,20-11,30	O 3.10	Gioele PAGOT	CORRELATION BETWEEN COMPOSITION, DYNAMICS AND ION CONDUCTIVITY IN SOLID STATE POLYMER ELECTROLYTES FOR MULTIVALENT METAL BATTERIES
11,30-11,40	O 3.11	Daniele PONTIROLI	NOVEL TiO_2 NANOPARTICLES DECORATED GRAPHENE ELECTRODES FOR LITHIUM ION BATTERIES
11,40-11,50	O 3.12	Silvia PORPORATO	IONIC LIQUID-BASED ELECTROLYTES FOR SODIUM BATTERIES
11,50-12,00	O 3.13	Leonardo SBRASCINI	A SILICON/HARD CARBON COMPOSITE ANODE TOWARDS SUSTAINABLE HIGH-ENERGY DENSITY LITHIUM-ION BATTERIES
12,00-12,10	O 3.14	Antunes STAFFOLANI	SYNTHESIS AND CHARACTERIZATION OF $\text{Fe}_3\text{O}_4/\text{rGO}$ AS ANODE MATERIAL FOR Na-ION BATTERIES
12,10-12,20	O 3.15	Keti VEZZÙ	THE ROLE OF STRUCTURAL FEATURES AND SYSTEM RELAXATIONS ON THE ELECTRICAL RESPONSE OF $\text{La}_{1/2+1/2x}\text{Li}_{1/2-1/2x}\text{Ti}_{1-x}\text{Al}_x\text{O}_3$ PEROVSKITES
12,20-12,30	O 3.16	Ying ZHANG	DEVELOPMENT OF ADVANCED ALL-SOLID-STATE POLYMER ELECTROLYTES USING INNOVATIVE AND SOLVENT-FREE PROCEDURES

CHIUSURA LAVORI E PREMIAZIONI ORAL E POSTER

POSTER SESSION

P01	Afaaf ALVI	POLYKETONE BASED ANION CONDUCTING MEMBRANES: SYNTHESIS AND CHARACTERIZATION
P02	Yannick Herve BANG	INTERPLAY BETWEEN POROSIMETRIC, DENSITOMETRIC PARAMETERS AND MEMBRANE ELECTRODE ASSEMBLY PERFORMANCES
P03	Patrizia FRONTERA	RUTHENIUM/EX-SOLVED NICKEL PEROVSKITE AS CATALYST FOR ETHANOL REFORMING
P04	Piercarlo MUSTARELLI	FUNCTIONALIZATION OF AQUIVION® MEMBRANES FOR USE IN ANIONIC FUEL CELLS AND ELECTROLYZERS
P05	Enrico NEGRO	EXPANSION OF THE SCOPE OF CYCLIC VOLTAMMETRY WITH THE THIN-FILM ROTATING (RING) DISK ELECTRODE IN THE STUDY OF ELECTROCATALYSTS FOR THE OXYGEN REDUCTION REACTION
P06	Sofia SAFFIRIO	OPTIMIZED STRATEGIES FOR THE RECOVERY OF CRITICAL RAW MATERIALS FROM END-OF-LIFE SOFCs
P07	Elisa ACCIARDO	MAGNETICALLY SEPARABLE CORE-SHELL CATALYST FOR THE MICROWAVE-ASSISTED REDUCTIVE DEPOLYMERIZATION OF LIGNIN
P08	Rossella ARRIGO	STRUCTURE-PROPERTY RELATIONSHIPS IN BIONANOCOMPOSITES FOR INDUSTRIAL APPLICATIONS
P09	Elena BEDOGNI	EVALUATION OF α,ω UNSATURATED POLYSTYRENE VS DIVINYLBENZENE AS CROSSLINKING AGENT IN STYRENE FREE RADICAL POLYMERIZATION
P10	Giorgia BORRATA	VALORISATION OF LIGNOCELLULOSIC BIOMASS FROM POST-CONSUMER WOOD
P11	Niccolò BRAIDI	MAY POST-ARGET ATRP FUNCTIONALIZATION BE A GOOD WAY FOR POLYSTYRENE UP-CYCLING?
P12	Raffaele CIOFFI	ENVIRONMENTAL ASSESSMENT OF LIGHTWEIGHT ARTIFICIAL AGGREGATES PRODUCED BY MEANS OF INDUSTRIAL SOLID WASTE STABILIZATION
P13	Camilla NOÈ	LIGHT-PROCESSABLE ALL-STARCH DERIVED ORGANO/HYDROGELS FOR METHYLENE BLUE REMOVAL
P14	Marcello PAGLIERO	A SINGLE STEP PREPARATION OF PHOTOTHERMALLY ACTIVE PVDF MEMBRANES USING TEP AS GREEN SOLVENT FOR DISTILLATION APPLICATION
P15	Mattia AMORINI	REUSABLE CAVITAND-BASED ELECTROSPUN MEMBRANES FOR THE REMOVAL OF PAHs FROM WATER
P16	Maria Camila ARIZA TARAZONA	PREPARATION AND CHARACTERIZATION OF C,N-TiO ₂ SEMICONDUCTORS OBTAINED USING MUSSEL'S EXTRAPALLIAL FLUIDS FROM DIFFERENT SPECIES AS DOPING SOURCE AND THEIR PHOTOCATALYTIC ACTIVITY
P17	Rossella ARLETTI	BOTTOM ASHES FROM BIOMASS COMBUSTION AS SECONDARY RAW MATERIALS FOR INNOVATIVE AND SUSTAINABLE CERAMIC PRODUCTION
P18	Silvia BARBI	PROGETTAZIONE ED OTTIMIZZAZIONE DEL COMPORTAMENTO TERMOMECCANICO DI MATERIALI COMPOSITI IN FIBRA DI VETRO PER APPLICAZIONI AUTOMOTIVE
P19	Marica BIANCHI	EVALUATION OF THE SHAPE MEMORY BEHAVIOR OF NOVEL EPDM/PARAFFIN FOAMS
P20	Erika Iveth CEDILLO-GONZÁLEZ	HIGH SOLAR REFLECTANCE GLASS-CERAMIC FRITS FOR PORCELAIN STONWARE TO COUNTER URBAN HEAT ISLAND
P21	Antonella CORNELIO	SUSTAINABLE POROUS MATERIALS, DERIVED FROM INDUSTRIAL BY-PRODUCTS, TO ENTRAP AIR PARTICULATE MATTER
P22	Luca Angelo DI LANDRO	CHARACTERIZATION OF BAMBOO LAMINATES FOR NAUTICAL CONSTRUCTIONS
P23	Francesco GALVAGNINI	CHARACTERIZATION OF A MULTIFUNCTIONAL EPOXY/HGM/PCM SYNTACTIC FOAMS FOR THERMAL ENERGY STORAGE APPLICATIONS
P24	Beatrice MALCHIODI	GREEN FIBER REINFORCED CEMENTS CONTAINING RECYCLED TEXTILE FIBERS FROM THE FINISHING OF FABRICS
P25	Massimo MARCIONI	MULTILAYER COATINGS OF CELLULOSE FIBERS FOR BIO-BASED POLYMER COMPOSITES
P26	Luca MONTAINA	3D PRINTING OF A CONDUCTIVE PEGDA-CPS SCAFFOLD FOR TISSUE ENGINEERING
P27	Davide PERIN	INNOVATIVE BIO-BASED POLY(LACTIC ACID)/POLY(ALKYLENE FURANOATE) FIBER BLENDS FOR SUSTAINABLE TEXTILE APPLICATIONS
P28	Daniele RIGOTTI	DEVELOPMENT OF A CLOSED LOOP RECYCLING PROCESS OF RUBBER FOR AUTOMOTIVE COMPONENTS
P29	Federico SCAGLIONE	HER AND SERS PERFORMANCE OF A LOW-COST NANOPOROUS GOLD OBTAINED FROM DEALLOYING AuFe ₂ METASTABLE PRECURSOR
P30	Laura SIMONINI	SELF-HEALING OF POLYCAPROLACTONE (PCL) COATED GLASS FIBER/EPOXY INTERFACE
P31	Alessandro SORZE	DEVELOPMENT OF POLYETHYLENE FOAMS FOR THERMAL ENERGY STORAGE APPLICATIONS THROUGH SALT LEACHING METHOD
P32	Josip VINCIC	PRODUCTION AND ANALYSIS OF SINGLE TRACKS OF STAINLESS STEEL 316L ON D2 TOOL STEEL BY DIRECTED ENERGY DEPOSITION
P33	Mauro PALUMBO	A COMPUTATIONAL INVESTIGATION OF ION CONDUCTIVITY IN ELECTROLYTES FOR SOLID STATE BATTERIES
P34	Marco VALENTE	NOVEL CEMENT-BASED SANDWICH COMPOSITES ENGINEERED WITH GROUND WASTE TIRE RUBBER: DESIGN, PRODUCTION, AND PRELIMINARY RESULTS
P35	Mario BRAGAGLIA	WASTE COOKING OILS: ECO-SUSTAINABLE CANDIDATES FOR PROCESSING AIDS IN RUBBER COMPOUNDING

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