Materials Oceania 2025	
	Day 0
15:30-20:00	Cocktails and Welcome Drinks
	Day 1- Grand Room A
08:30-09:00	·
	Opening Ceremony Speech
03.00 03.25	Plenary Session
	Coffee will be available outside Room A throughout the Plenary sessions
09:15:09:45	Advances in the Synthesis of Hexagonal Boron Nitride Nanomaterials: Methods and Applications
	Yoshio Bando, King Saud University, Saudi Arabia
09:45-10:15	Liquid Interface As Delicate Zone for Materials Science: Molecular Machine, Living Cell, and Organic Semiconductor
	Ariga Katsuhiko, The University of Tokyo, Japan
10.15 10:45	Unveiling the Topology-Property Relationship in the Polyethers
10:15-10:45	Byeong-Su Kim, Yonsei University, South Korea
	Electrically Conductive Nanomaterials-based Composite Membranes with Electro-promoted
10:45-11:15	Water Treatment Performance
	Xie Quan, Dalian University of Technology, China
11:15-11:45	Beyond the Lab: Binder Design for Scalable High-Energy Lithium Battery Electrodes
11:15-11:45	Sang-Young Lee, Yonsei University, South Korea
	The Development of Cost-Effective Platforms for Photocatalytic and Non-Photocatalytic
11:45-12:15	Environmental Remediation and Carbon Capture
	Ki-Hyun Kim, Hanyang University, South Korea
12:15-13:30	Lunch Break
	Energy and Environmental Materials
13:30-13:55	Keynote: Ion Solvating Membranes: Quaternary Ammonium-Free Alternatives to AEM
20.00	Dirk Henkensmeier, Korea Institute of Science and Technology (KIST), South Korea
13:55-14:15	Invited: Revisiting Electrolyte Thermodynamics Beyond Debye–Hückel Theory
	Norio Takenaka, The University of Tokyo, Japan
	Invited: Recent Developments in Three-Dimensional Junction Bipolar Membranes: Toward
14:15-14:35	Enhanced Water Dissociation Efficiency, Structural Integrity, and Chemical Robustness
	Jaewoo Lee, Jeonbuk National University, South Korea
14:35-14:55	Invited: Design of Organic Solar Cells Using Ternary Blends of Semiconducting Polymers
	Hiroaki Benten, Nara Institute of Science and Technology, Japan
14:55-15:15	Invited: Designing Nanostructured Catalytic Materials that Steer Selective Electrosynthesis
	Sang Hoon Joo, Seoul National University, South Korea
15:15-15:45	Coffee Break
15:45-16:05	Invited: Synthesis and Characterization of Nanostructured Carbides for HER
	Fabien Grasset, IRL3629 CNRS, National Institute for Materials Science, Japan
16:05-16:25	Invited: Spray-coated Diamond Electrode for Electrolytic Applications
	Takeshi Kondo, Tokyo University of Science, Japan
16:25-16:45	Invited: Entropy-driven Derivative Organic Coverage Designs on Ni-rich Layered Cathodes in
	Lithium-ion Battery Eu Ming Wang, National Taiwan University of Science and Technology, Taiwan
	Fu Ming Wang, National Taiwan University of Science and Technology, Taiwan

16:45-17:05	Invited: Enhancement of Piezoelectric Properties in Textured CaBi2Nb2O9 Ferroelectric Ceramics with High Curie Temperature via Rare-Earth Ion Doping and Spark Plasma Sintering
	Chun-Ming Wang, Shandong University, China
18:00-21:00	Conference Banquet @ Grand Room A
	Day 1- Room B
	Porous Materials
13:30-13:50	Keynote: Printed Porous Composite Layers for Flexible Sensors
13:30-13:30	Shizuo Tokito, Yamagata University, Japan
	Invited: Multilayer Nanoporous Graphene Membrane for Ultrafast Organic Solvent
13:50-14:10	Nanofiltration
	Dae Woo Kim, Yonsei University, South Korea
14:10-14:30	Invited: Stabilization of Overloaded Pharmaceutical Glass Using Mesoporous Silica Particles
	Kohsaku Kawakami, National Institute for Materials Science, Japan
14:30-14:50	Invited: Porous Silicon Nanoparticles for Overcoming Brain-related Diseases
14.30-14.30	Dokyoung Kim, Kyung Hee University, South Korea
14:50-15:10	Invited: Synthesis of Two-dimensional Metal-organic Frameworks
	Fei-Bao Zhang, Hangzhou Normal University, China
	Coffee Break
	Invited: Transformation of the Phase and Shape of Transition Metal Dichalcogenides
15:45-16:05	via Molecular Surface Treatments
	Daisuke Kiriya, The University of Tokyo, Japan
	Invited: Lyotropic Liquid Crystalline Phases for Designing Porous Electrodes for Various
16:05-16:25	Applications
	Omer Dag, Bilkent University, Turkey
16:25-16:45	Invited: Mesoporous Clay Structures for Heterogeneous Catalyst and Support Material
	Eun-Bum Cho, Seoul National University of Science and Technology, South Korea
16:45-17:00	TBA
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18:00-21:00	Conference Banquet @ Grand Room A

	Day 1- Room C
	Computational Materials
	Invited: Deciphering Functional Emergence in Advanced Superconducting Wires through Deep
13:30-13:50	Learning Segmentation of 3D Microstructures
	Akiyasu Yamamoto, Tokyo University of Agriculture and Technology, Japan
	Invited: Computational Design of Electrochemical Energy Conversion Materials Using First-
13:50-14:10	principles Calculations and Machine Learning Techniques
	Byungchan Han, Yonsei University, South Korea
	Invited: Multi-scale Modeling and Inverse Design of Catalytic Substrates for Isothermal
14:10-14:30	Segregation Growth of Two-dimensional Materials
	Qinghong Yuan, East China Normal University, China
14:30-14:50	Invited: Analytical Modeling and Mechanical Behaviors of Crosslinked Graphene Layers
	Toshiaki Natsuki, Shinshu University, Japan

14:50-15:10	Invited: Ultra-flexible Skin-compatible Organic Optoelectronics
	Sungjun Park, Ajou University, South Korea
15:10-15:45	Coffee Break
	Structural Materials
15:45-16:10	Keynote 1: Metallurgy Revised
15.45-10.10	John Campbell, University of Birmingham, UK
16:10-16:35	Keynote 2: Metallurgy Revised
10.10-10.55	John Campbell, University of Birmingham, UK
	Oral: Incremental Forming of Tailor-Welded Sheet of AA1050 Aluminum with Dissimilar
16:35-16:50	Thickness Made by Bobbin Tool Friction Stir Welding
	Masaaki Otsu, University of Fukui, Japan
	Oral: Synthesis and Structural Characterization of Phosphine Ligands for Pd-catalyzed
16:50-17:05	Carbonylations
	Ye Liu. East China Normal University, China
18:00-21:00	Conference Banquet @ Grand Room A
	Day 1- Room D
	Ceramics, Polymers and Composite Materials
	Invited: Advanced Materials for Roadway Infrastructure Renewal: the Role of Composite
13:30-13:50	Materials in Sustainable and Resilient Rehabilitation Strategies
	Francesco Micelli, University of Salento, Italy
	Invited: Advanced Functional Materials and Technologies for Additive Manufacturing of 5G/6G
13:50-14:10	applications
	Bhavana Deore, National Research Council, Canada
14:10-14:30	Invited: Designing multifunctional waterborne polymer nanocomposites
14.10-14.50	Vipul Agarwal, University of New South Wales, Australia
14:30-14:50	Invited: The Role of Natural Fibers in High-Strength and sustainable Composites.
14.50-14.50	Thamer Alomayri, Umm Al-Qura University, Saudi Arabia
	Invited: Design of Stable and Highly Efficient Conjugated Polymer/2D Nanosheet P-N
14:50-15:10	Heterojunction Composites for Hydrogen Evolution Reactions
	Chih-Chia Cheng, National Taiwan University of Science and Technology, Taiwan
15:10-15:45	Coffee Break
15:45-16:05	Invited: Magneto-dielectric Effect in Corundum-type Oxide
13.43-10.03	Asish Kundu, IIITDM Jabalpur, India
	Invited: Polyisoprene-Coated Silica for Non-Black Rubber: Enhancing Processing, Mechanical,
16:05-16:25	and Barrier Properties
	Thirawudh Pongprayoon, King Mongkut's University of Technology North Bangkok, Thailand
	Oral: Evaluating The Impact of Manufacturing Parameters on Properties of Sunn Hemp Bio-
16:25-16:45	Composites
	Babatunde Olatunbosun, University of Southern Queensland, Australia
16:45-17:05	Oral: Data-driven Investigation of Lattice Parameter Evolution in Fe-based Superconductors
	Nur Rahmawati Ayukaryana, Tokyo University of Agriculture and Technology, Japan
18:00-21:00	Conference Banquet @ Grand Room A

	Day 2- Room A
	Session: Energy and Environmental Materials
	Keynote: Development of Robust and Environmentally-Freindly Photocatalysts and
09:00-09:25	Photoelectrocatalysts for Organic Removal and Green Hydrogen Production
	Byeong-Kyu Lee, University of Ulsan, South Korea
	Invited: Synthesis and Structural Characterization of Phosphine Ligands for Pd-catalyzed
	Carbonylations
	Ye Liu, East China Normal University, China
00 45 40 05	Invited: High Performance Nano-bulk Si-Ge Thermoelectric Materials
09:45-10:05	Tsunehiro Takeuchi, Toyota Technological Institute, Japan
40.05.40.35	Invited: Energy-efficient Synthesis of Thermoelectric Materials
10:05-10:25	Chia-Jyi Liu, National Changhua University of Education, Taiwan
10:25-11:00	Coffee Break
	Invited: Hybrid Low-Dimensional TiO2 Photocatalysts: Role of Carbon and Metal Modification
11:00-11:20	in Morphology and Pollutant Removal Performance
	Rika Tri Yunarti, Universitas Indonesia, Indonesia
	Invited: Manipulating Nanostructure-Evolution under Dynamic Conditions for Advanced
11:20-11:40	Electrochemical Devices
	Cheng Yang, Tsinghua University, China
	Invited: PFAS-Free Functional Polymers for High-Performance Triboelectric Nanogenerators
11:40-12:00	and Sensors
	Ju-Hyuck Lee, Daegu Gyeongbuk Institute of Science and Technology, South Korea
12:00-13:00	
	Invited: Cobalt Oxidation-State Engineering for Enhanced Electrocatalytic Water-Splitting in
13:00-13:20	Copper-Cobalt-Based High-/Medium-Entropy Oxides
	Yun-Hyuk Choi, Daegu Catholic University, South Korea
	Invited: Development of Flexible Electrodes for Energy Storage and Sensing Applications
13:20-13:40	Muhammad Iqbal, Institut Teknologi Bandung, Indonesia
	Invited: Synergistic Dual-Site Janus MXene Quantum Dots for Sustainable Alcohol Oxidation
13:40-14:00	Lagnamayee Mohapatra, Jeonbuk National University, South Korea
	Invited: Sunlight-Driven Photocatalytic Hydrogen Generation: Engineering Strategies for
14:00-14:20	Sustainable Energy and Environmental Solutions
	Muthukonda Venkatakrishna Shankar, Konkuk University, South Korea
	Invited: Thermal-to-Electrical Energy Conversion via a High-Efficiency, High-Power Air-Bridge
14:20-14:40	III-V Thermophotovoltaic System
	Jihun Lim, Jeonbuk National University, South Korea
	Invited: Single-Atom Decorated Platinum for High-Performance Ammonia Oxidation
14:40-15:00	Sang-II Choi, Kyungpook National University, South Korea
15:00-15:30	Coffee Break
	Invited: Ion Conducting Membranes through Self-Assembly of Graft Copolymers
15:30-15:50	Jong Hak Kim, Yonsei University, South Korea
15:15-16:10	Invited: Aluminosilicate-Reinforced Graphene Oxide Membranes with Tunable Hierarchical
	Spacings for Electrochemical Lithium Recovery Beyond the Selectivity–Permeability Trade-off
	Jongkook Hwang, Ajou University, South Korea
	Invited: Strategies for High-Performance Aqueous Rechargeable Zinc Batteries
16:10-16:30	Kwan Woo Nam, Ewha Womans University, South Korea

	Invited: Synergistic Strategies for Low-PGM Electrocatalysts in HER and OER toward Efficient
16:30-16:50	and Scalable PEM Water Electrolysis
	Hyunsoo Lim, Korea Electronics Technology Institute (KETI), South Korea
17:00-18:00	Poster Presentations
	Day 2- Room B
	Nanotechnology and Nanoscience
	Keynote: Material Design of Conductive Oxide Semiconductor Films to Achieve Thickness-
09:00-09:25	Dependent Properties for a Wide Range of Applications
	Yamamoto Tetsuya, Kochi University of Technology, Japan
09:25-09:50	ТВА
09.25-09.50	TBA
09:50-10:15	Keynote: Spin-Polarization Catalysis Enabled by Chiral Inorganic Materials (Online)
09.30-10.13	Shunai Che, Shanghai Jiao Tong University, China (Yet to Register)
10:15-10:35	TBA
	TBA
10:30-11:00	Coffee Break
	Invited: Molecularly Engineered Nanoplatforms for Selective Detection and Neutralization of
11:00-11:20	Molecular Threats
	Young Hun Seo, KIST Europe, Germany
11:20-11:40	Invited: Stimuli-Responsive, Morphology-Switching Bottlebrush Copolymer Particles
11.20 11.40	Shin Jaeman, Soongsil University, South Korea
	Invited: A shock tube investigation of structural, morphological and photocatalytic properties
11:40-12:00	of strontium stannate nanostructures
	Sivaprakash Paramasivam, Keimyung University, South Korea
12:00-13:00	
	Invited: Resolving Intrinsic 3D Structural Variations in Nanoparticles via Liquid-Phase Electron
13:00-13:20	
	Byung Hyo Kim, Soongsil University, South Korea
42 20 42 40	Invited: Development of LiDAR-Detectable Black Materials via Various Strategies and Their
13:20-13:40	Application as Eco-friendly Paints for Autonomous Driving Environments
	Chang-Min Yoon, Inha University, South Korea linvited: insights of Carbon-Material Stabilized Nano-Metallic Catalysis to
12.40 14.00	Boost C–C Bond Formation/polymerization
13:40-14:00	Md. Shahajahan Kutubi, Nagoya University, Japan
	Invited: Synthesis-with-direction of Gold Nanoparticles by DNA
14:00-14:20	Ma Xingyi, Harbin Institute of Technology, China
	TBA
14:20-14:40	TBA
	TBA
14:40-15:00	TBA
15:00-15:30	Coffee Break
	TBA
15:30-15:50	TBA
	TBA
15:50-16:10	TBA
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	TBA
16:30-16:50	TBA
	TBA
17:00-18:00	Poster Presentations

	Day 2- Room C
	Biomaterials, Bioengineering and Bio-related Application
09:00-09:20	Invited: Intermolecular FRET can be Utilized for Evaluations of Lectin—Carbohydrate Interactions
	Koji Matsuoka, Saitama University, Japan
	Invited: A Multifunctional, Transparent, Adhesive, and Antioxidative Hydrogel for Minimally
09:20-09:40	Invasive Therapy for Retinal Tissue Repair
	Jiashing Yu, National Taiwan University, Taiwan
	Invited: Poly(2-ethyl-2-oxazoline)-Conjugated Hemoglobins: Artificial O2 Carriers as Red Blood
09:40-10:00	Cell Substitutes
	Teruyuki Komatsu, Chuo University, Japan
	Keynote: Micropatterned bioresponsive hydrogel for real-time and label-free monitoring
10:00-10:25	proteins and cell behaviors
	Won-Gun Koh, Yonsei University, South Korea
10:25-11:00	Coffee Break
	Invited: Multifunctional Nanoparticles: Design, Antibacterial Applications, and Mechanistic
11:00-11:20	Studies
	Jun Wang, Anhui Polytechnic University, China
	Invited: WR-3.4 Hollow-Waveguide Mach–Zehnder Interferometer Composed of
11:20-11:40	Two Y-Branch Structures Fabricated Using a 3D Printer and Metal Plating (Online)
	Junji Yumoto, The University of Tokyo, Japan
	Invited: Advances and Emerging Trends in Medical Applications of Diamond-Like Carbon (DLC)
11:40-12:00	Coatings
	Yasuhiro Fujii, Okayama University, Japan
12:00-13:00	Lunch Break
	Invited: Multiplexed Ultrafast Photothermal Digital PCR based on Oligo(Phenylene-Ethynylen)
13:00-13:20	Interfacing Compound
	Oh Seok Kwon, Sungkyunkwan University, South Korea
	Invited: Entropy-driven Derivative Organic Coverage Designs on Ni-rich Layered Cathodes in
13:20-13:40	Lithium-ion Battery
	Fazren Azmi, National University of Malaysia, Malaysia
	Invited: Biomimetic nanotechnology-mediated physical bioregulationto induce in situ tissue
13:40-14:00	regeneration
	Masahiro Yamada, Tohoku University Graduate School of Biomedical Engineering, Japan
14.00 14:30	Invited: Self-Assembly of Amorphous and Functional Polymer Nanodiscs in Water
14:00-14:20	Markus Muellner, The University of Sydney Nano Institute, Australia
14:20-14:40	Invited: Soft Sensing Fibers with Chemically Embedded Nanoparticles for Biomedical and
	Biomechanical Applications
	Jaehong Lee, DGIST, South Korea

14:40-15:00	Invited: Immune-modulative nano-gel-nano for patient-favorable cancer therapy
	Sung Hoon Kim, Korea Institute of Science and Technology (KIST), South Korea
15:00-15:30	Coffee Break
15:30-15:50	Invited: Van der Waals 3D Assembly of 2D Nanomaterials for Scalable Electronics
	Joohoon Kang, Yonsei University, South Korea
	Invited: Development of Lensless Light-Sheet Sources and Their Application for 3D Imagingin
15:50-16:10	Bio and Medical Science (Onine)
	Junji Yumoto, The University of Tokyo, Japan
	Oral: Surface-enhanced Raman Scattering Properties of Gold-open Shell Nanoprobes
16:10-16:25	and their Application to Cell Imaging
	Yuka Hori, Nihon University, Japan
	Oral: Flexible Smart Knee Sleeve Integrating Textile Pressure Sensors and IMUs for LowerLimb
16:25-16:40	Rehabilitation Monitoring
	Hyejeong Choi, University of British Columbia, Canada
16:40-16:55	TBA
	TBA
17:00-18:00	Poster Presentations
	Day 2- Room D
	Electronics and Optical Materials
09:00-09:20	Invited: Anisotropic Spin Hamiltonian Generalized for NiPS3
05.00-05.20	Myung Joon Han, Anisotropic Spin Hamiltonian Generalized for NiPS3, South Korea
09:20-09:40	Invited: Synthesis of van der Waals Heterostructure via Chemical Vapor Deposition
05.20-05.40	Ki Kang Kim, Sungkyunkwan, South Korea
09:40-10:00	Invited: Development of Red and Infrared Emitting Scintillators with High Emission Efficiencies
05.40 10.00	Shunsuke Kurosawa, Tohoku University, Japan
	Invited: Influence of Plasmonic Metal Nanostructures on Triplet-Triplet Annihilation
10:00-10:20	Upconversion
	Kosuke Sugawa, Nihon University, Japan
10:20-11:00	Coffee Break
	Invited: Acoustic Shock Wave-Induced Phase Transitions in Solid-State Materials via Dynamic
11:00-11:20	Recrystallization: Case Studies and Insights
	S.A. Marin Britto Dhas, Keimyung University, South Korea
11:20-11:40	Invited: Artificial Synaptic Devices for Physical Reservoir Computing
11.20 11.40	Hongseok Oh, Soongsil University, South Korea
	Invited: High-purity low-radioactive background materials for extremely rare-event physics at
11:40-12:00	
	Olga Gileva, Institute for Basic Science (IBS), South Korea
12:00-13:00	Lunch Break
13:00-13:20	Invited: High Performance of Ti-Ge-Te Thin Film for Flexible Electronics Application
15.00-15.20	Weihua Wu, Jiangsu University of Technology, China
13:20-13:40	Invited: Demonstration of Time-Reversal Symmetry Breaking in Chiral Terahertz Photonic-
	Crystal Cavities (online)
	Andrey Baydin, Rice University, USA
40 40 40 00	Invited: Strategic Electrolyte Design for Highly Nonvolatile Artificial Synapse
13:40-14:00	Eunho Lee, Seoul National University of Science and Technology, South Korea

	Invited: Extended-Gate-Type Organic Field-Effect Transistors for Chemical Sensing Applications
14:00-14:20	
	Tsuyoshi Minami, University of Tokyo, Japan
14:20-14:40	TBA
	TBA
14:40-14:55	TBA
	TBA
14:55-15:30	Coffee Break
15:30-15:55	TBA
15.50-15.55	TBA
15:55-16:20	TBA
	TBA
16:20-16:35	TBA
10.20 10.33	TBA
16:35-16:50	ТВА
10.55-10.50	TBA
16:00-17:00	Poster Presentations
MO01	Boosting Oxygen Reduction Reaction with Single-Atom Fe Anchored on Hollow N-Doped
MO01	Carbon
	Kyubin Shim, Korea Basic Science Institute
MO02	Racolyte: A Raman Spectra Identification Software of Mineral Materials
	Huei-Fen Chen, Institute of Earth Sciences, National Taiwan Ocean University, Taiwan
14003	Modeling Adsorbate-Induced Surface Segregation in Ternary Nanoparticles Under Reactive
MO03	Environments Using Machine-Learning Potentials
	Narmandakh Khayankhyarvaa, Yonsei University, South Korea
14004	Toward Accurate Crack Detection in Ceramics: Semantic Segmentation with Limited Training
MO04	Data
	Mio Ito, Tokyo University of Agriculture and Technology, Japan
	Synthesis of Polymer-Based Tubular Micromotors Capable of High-Density Drug Delivery and
MO05	Light-Triggered Release
	Saki Batori, Chuo University, Japan
	Polymerized Stromal-Free Hemoglobin Nanoparticles Coated with Serum Albumin as a Red
MO06	Blood Cell Substitute
	Ryo Hoshiya, Chuo University, Japan
_	Green One-Step Synthesis of AgNPs/MWCNTs Composites for Flexible Transparent Conductive
MO07	Films
	Jun Natsuki, Shinshu University, Japan
_	Plasmonic Carbon-Gold Hybrid Layer Integrated with Aligned Cellulose Aerogel for Efficient
MO08	Solar-Driven Evaporation
	Suji Lee, Kyung Hee University, South Korea
MO09	High Performance Lignocellulose Nanofiber-Derived Films for Efficient Light Management
	Yuri Seo, Kyung Hee University, South Korea
	Metal-organic Framework Derived Sulfur-doped Bimetallic Phosphoselenide Electrocatalysts
MO10	for Hydrogen and Oxygen Evolution Reactions
	Munisamy Maniyazagan, Sejong University, South Korea (Yet to register)
MO11	3D Electron Tomography for Semiconductor Device Structure Analysis
.,,,,,,,,	Yu-Lun Liu, National Tsing Hua University, Taiwan
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MO12	Quantum Neural Network for High Generalization Performance for Lubricant Property Prediction
	Chanho Kim, Yonsei University, South Korea
MO13	Physics-Informed Neural Network Based Crystallization Modeling of NCM Precursor Recovery
	from Spent Batteries
	Gyeonggeun Park , Yonsei University, South Korea
24644	AI- driven Catalyst Design for Photocatalytic Hydrogen Production: Techno-Economic and
MO14	Regional Optimization
	Juyoung Byun, Yonsei University, South Korea
	Solution Plasma Synthesis of Nitrogen-doped carbon Catalysts for Oxygen Reduction Reaction
MO15	toward Li-Air Battery
	Takahiro Ishizaki, Shibaura Institute of Technology, Japan
MO16	ТВА
111010	ТВА
	Day 3- Room A
	Energy and Environmental Materials
	Keynote: Efficts of Perovskite Quantum Dots on Photovoltaic and Photocatalytic Activities
09:00-09:25	·
	Toyoko Imae, National Taiwan University of Science and Technology, Taiwan (Yet to Register)
	Invited: Defect Engineering of Inorganic Nanosheet-based Materials for Electrocatalytic Water
09:25-09:45	, ,
	Xiaoyan Jin, University of Seoul, South Korea
09:45-10:05	Invited: Integrative Battery Research: from Materials to Intelligent Systems for Future Mobility
	Jimin Oh, Kyungpook National University, South Korea
	Invited: A Novel Wastewater Treatment Method Utilizing the Combination of Ultrasound and
09:05-10:25	
	Yifan Xu, Hubei University of Technology, China
10:25-11:00	
	Invited: Granule-Induced Dry Processing for Accelerating Ion Transport in Thick-Film
11:00-11:20	Electrodes for High-Energy-Density Lithium-Ion Batteries
	Junghyun Choi, Gachon University, South Korea
11:20-11:40	Invited: Precise Synthesis of Advanced Conjugated Polymers for Efficient Perovskite Solar Cells
	Chang-Zhi Li, Zhejiang University, China
44 40 44 55	Oral: Sustainable Synthesis of High-Performance Ni/Co-AC Pseudocapacitor Electrodes from
11:40-11:55	Recycled Battery and Biomass Waste
	Cindy Rusly, National Taiwan University, Taiwan
11.55 12.10	Oral: Proton Conduction Mechanism in a Material Consisting of Packed Acids for High Proton
11:55-12:10	Conductivity with Low Humidity Conditions Takeya Oranya Kyota University Johan
	Takaya Ogawa, Kyoto University, Japan
12:10 12:20	Oral: Impact of Acetic Acid and Flux Residues on ITO Corrosion in Heterojunction Silicon Solar
12:10-12:30	Godeung Park, Yonsei University, South Korea
12:00 14:00	Songbyeolhoe and Closing Event
15:00-14:00	Builgbyeoinide and Closing Event