

Poster Session @ Center for Condensed Matter Sciences

**[P-1]** Linkage Effect on Memory Behaviors of Sulfonyl-containing Polyether, Polyester, Polyamide, and Polyimide

*Chih-Jung Chen (National Taiwan University)*

**[P-2]** Wholly Aromatic Polyimides Featuring Linear or Hyperbranched Structures with Stable Optical Nonlinearity Based on Sequential Self-Repetitive Reaction

*Ching-Yuan Cheng (National Chung Hsing University)*

**[P-3]** Melt processable and High performance Semi-crystalline Polyimide

*Chunhai Chen (Jilin University)*

**[P-4]** Multicolor and High Stable Electrochromism of Novel Hyperbranched Polyamides

*Yaw-Terng Chern (National Taiwan University of Science and Technology)*

**[P-5]** Crosslinked Side-chain Polyurethanes with Shape Memory Effect

*Yu-Ching Chen (National Taiwan University)*

**[P-6]** Thiophene and Selenophene Donor-Acceptor Polyimides as Polymer Electrets for Nonvolatile Transistor Memory Devices

*Ying-Hsuan Chou (National Taiwan University)*

**[P-7]** Effect of Acceptor Strength on Memory Characteristics of Nonvolatile Transistor Memory Devices using Polyimides Electrets

*Ying-Hsuan Chou (National Taiwan University)*

**[P-8]** Preparation and Characterization of Colorless and Highly Transparent Semi-aromatic Polyimide Films Derived from Alicyclic Dianhydride and Fluorinated Aromatic Diamines

*Lin Fan (Chinese Academy of Sciences)*

**[P-9]** Synthesis and properties of novel sulfonated polyimides from a dianhydride monomer biphenyl-4,4'-diyl-di(oxo)-4,4'-bis(1,8-naphthalenedicarboxylic anhydride)

*Jianhua Fang (Shanghai Jiao Tong University)*

**[P-10]** Effect of Dianhydride Structures on Properties of Polyimides from Isomeric Diphenylsulfonetetracarboxylic Dianhydrides

*Xing-Zhong Fang (Chinese Academy of Science)*

**[P-11]** Synthesis and Properties of Polyimides Derived from Isomeric Diphenylsulfonetetracarboxylic Dianhydrides

*Xing-Zhong Fang (Chinese Academy of Science)*

**[P-12]** Novel Applications Involving Transparent Polyimides-White PI coatings and Transparent FPCs

*Ken-ichi Fukukawa (Mitsui Chemicals, Inc.)*

**[P-13]** Polymer Design for High Performance Transparent Polyimides

*Kohei Goto (JSR Corporation)*

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**[P-14]** Structures and Properties of the Phosphorus-Containing Polyimide Fibers

*Lian-Xun Gao (Chinese Academy of Sciences)*

**[P-15]** Convergent Synthesis of Polyimide Dendrimers from an ABB' Type Intermediate

*Ching-Wen Hsieh (National Chung-Hsing University)*

**[P-16]** Quantitative Formation of m-Phenyleneimine Macrocycle from Linear Oligomers Based on  $\pi$ -Stacking and DCC

*Sho Hasegawa (Tokyo Polytechnic University)*

**[P-17]** Model Reaction for Functionalization of Water-soluble Polymers

— Reactivity of An Epoxy Compound with Tertiary Amines in Water —

*Susumu Harashima (Tokyo Polytechnic University)*

**[P-18]** Strategy for Improvement of Non-flammability in Functional Polyimides

*Junichi Ishii (Toho University)*

**[P-19]** Colorless Polyimides Derived from Cyclopentanone Bis-spirobornane Tetracarboxylic Dianhydride

*Eriko Ishiguro (Tokyo Polytechnic University)*

**[P-20]** Polyimide resins and their carbon fiber reinforced composites

*Mian Ji (Chinese Academy of Sciences)*

**[P-21]** Self-Assembled Brush Polymers Bearing Glycine Derivatives and Their Biocompatibility

*Heesoo Kim (Dongguk University College of Medicine and Dongguk Medical Institute)*

**[P-22]** Synthesis of Thermo/pH-Sensitive Stimuli-Responsive Triblock-Copolymer by RAFT Polymerization for Drug Controlled Release

*Chih-Yu Kuo (National Taiwan University)*

**[P-23]** Effects of Alicyclic Ethylene Double Bond on the Optical Properties of Polyimide Films

*Feng Liu (Nanchang University)*

**[P-24]** Novel Asymmetric and Addition-type Imide Resins for High Temperature Composite Materials

*Masahiko Miyauchi (Kaneka Corporation)*

**[P-25]** Effects of Vertical Double Percolation Morphology and Particle Size on Thermal Diffusivity of Polyimide Blend/Metal Oxides Hybrid Films

*Tomoya Murakami (Tokyo Institute of Technology)*

**[P-26]** Synthesis of a Hyperbranched Aromatic Polyether ketone Functionalized with Catalytically Active Terminal Groups

*Yuta Nabae (Tokyo Institute of Technology)*

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**[P-27]** Conformational Analysis of Polyimides Derived from sBPDA Dianhydride Based on Far-IR Absorption Spectroscopy and DFT Calculations

*Tomohiro Okada (Tokyo Institute of Technology)*

**[P-28]** Morphology and Mechanical Properties of BPDA/PMDA—ODA Polyimide Copolymer Fibers with Different Draw Ratios

*Xue-Peng Qiu (Chinese Academy of Sciences)*

**[P-29]** Silver-nanoparticle-embedded ultrafine polyimide fibers prepared via in situ techniques

*Sheng-Li Qi (Beijing University of Chemical Technology)*

**[P-30]** Synthesis of Cyclic Organic Molecules by the Self-Condensation of 2-Fluoro-4-Hydroxy Benzonitrile

*Hiroyuki Sato (Tokyo Institute of Technology)*

**[P-31]** Development of Photosensitive Imide-containing Vinyl Polymers Based on Reaction Development Patterning

*Daisuke Sakii (Yokohama National University)*

**[P-32]** High temperature proton exchange membranes based on poly(arylene ether)s with benzimidazole side groups for fuel cells

*Cheng-Hsun Shen (National Cheng-Kung University)*

**[P-33]** Preparing a Flexible Conductive Film Comprised of Well-dispersed Graphene and Silver Nanoparticles

*Sheng-Yen Shen (National Taiwan University)*

**[P-34]** Improvement in properties of photosensitive polyarylates based on positive-tone reaction development patterning

*Nozomi Shimada (Yokohama National University)*

**[P-35]** Studies on the Injection Molding of Polyimides AURUM and ISAS-TPI

*Xiao-Dong Shi (KEF Corporation)*

**[P-36]** Negative permittivity materials based on electro-active polyimide/carbon composites

*Guofeng Tian (Beijing University of Chemical Technology)*

**[P-37]** Novel Flexible and Transparent PI-TiO<sub>2</sub> Optical Films with High Refractive Index and Excellent Thermally Stability

*Chia-Liang Tsai (National Taiwan University)*

**[P-38]** Transparent and Flexible Polyimide Composite Films with Improved Moisture Barrier Property by Graphene

*I-Hsiang Tseng (National Chin-Yi University of Technology)*

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**[P-39]** Surface Wettability Controllable Polyimides Bearing Long-chain Alkyl Groups by UV Light Irradiation

*Yusuke Tsuda (Kurume National College of Technology)*

**[P-40]** Novel Phenyl-s-triazine-Bearing Polymers

*Jin Yan Wang (Dalian University of Technology)*

**[P-41]** Carbon Fiber Reinforced polyimide for Space Applications

*Da-Ming Wang (Jilin University)*

**[P-42]** Synthesis and Electrochromic Properties of Novel Poly(ether-imide)s Derived from a New Triphenylamine-Bis(ether anhydride) Monomer

*Hui-Min Wang (National Taipei University of Technology)*

**[P-43]** Electrosynthesis and Properties of Novel Electroactive Polymers from the Diamide or Diimide Derivatives with Terminal Triphenylamino Groups

*Hui-Min Wang (National Taipei University of Technology)*

**[P-44]** New Cross-Linked Multielectrochromic Polymeric Films through the Electro-coupling Reactions of Arylamino Groups

*Hui-Min Wang (National Taipei University of Technology)*

**[P-45]** Hybrid Films of Polyimide/Ladder-Like Polysilsesquioxane: Preparation, Characterization, Structure and Properties

*De-Zhen Wu (Beijing University of Chemical Technology)*

**[P-46]** Novel Thermoplastic Polyimide Composite Materials

*Shiyong Yang (Chinese Academy of Sciences)*

**[P-47]** Polyamides containing high content of thioether units: synthesis and optical properties

*Jie Yang (Sichuan University)*

**[P-48]** Synthesis of highly refractive and transparent poly(arylene sulfide sulfone) based on 4,6-dichloropyrimidine and 3,6-dichloropyridazine

*Jie Yang (Sichuan University)*

**[P-49]** Novel High-Performance Polymeric PL Nanofibers Containing Aggregation-Induced Emission (AIE)-active Cyanotriphenylamine Luminogens

*Hung-Ju Yen (National Taiwan University)*

**[P-50]** Effects of The Acceptor Conjugation Length and Composition on the Electrical Memory Characteristics of Random Copolyimides

*An-Dih Yu (National Taiwan University)*

**[P-51]** New Donor-Acceptor Oligoimides for High-Performance Memory Device Applications

*An-Dih Yu (National Taiwan University)*