
[P01★]

Analysis of Anion Intercalation Behavior of Graphite Positive Electrode in Amide-Based Ionic Liquid Electrolytes

○伊藤 光穂、山本 貴之、野平 俊之 (京大エネ研)

[P02★]

SEI Formation and Charge-Discharge Cycling Performance Using Ionic Liquid Electrolytes with Polymerizable Functional Groups

○梶川 照太¹、平井 大智²、松田 聡²、岸 肇²、柿部 剛史² (1.兵庫県立大工、2.兵庫県立大院工)

[P03★]

Poly(Solvate Ionic Liquid) Electrolytes Based on Polyanionic Lithium Salts

○井口 紗矢香¹、中垣 洋輝¹、上野 和英^{1,2} (1.横浜国大院理工、2.横浜国大 IAS)

[P04★]

Effects of Lithium Salt Addition on the Electrochemical Properties of Tetrahydrothiophenium-Based OIPC Electrolytes

○井上 敬太、廣津 義史、竹岡 裕子、陸川 政弘、藤田 正博 (上智大理工)

[P05★]

Electrochemical Intercalation Behavior of Amide Anions into Graphite Positive Electrodes in Various Lithium-Based Ionic Liquid Electrolytes

○Diah Ayu Pramesti, Takayuki Yamamoto, Toshiyuki Nohira (Institute of Advanced Energy, Kyoto Univ.)

[P06★]

Lithium-Ion Transport and Solvation Structure in LiFSA-Doped Tetrahydrothiophenium-Based Ionic Liquids

○廣津 義史、杉本 靖幸、藤田 正博 (上智大理工)

[P07★]

Coordination-driven transport in chloroaluminate electrolytes

○田中 颯馬、竹中 規雄、北田 敦 (東大院工)

[P08★]

PME-ONIOM Molecular Dynamics Analysis of Li-Ion Solvation Structures in Plastic Ionic Crystals

○木村 美都稀、廣津 義史、藤田 正博、南部 伸孝 (上智大)

[P09★]

Analysis of dynamics of phosphonium-based ionic liquids in water for elucidating the mechanism of LCST-type phase transition behavior

○山口 沙緒里¹、山田 武²、中村 暢文¹、大野 弘幸¹、一川 尚広¹ (1.東京農工大、2.CROSS 中性子科学センター)

[P10★]

イオン液体の界面構造変化を利用した混合電析

○野田 航暉¹、池田 勝佳²、本林 健太² (1.名工大院工、2.名工大)

[P11★]

Encapsulation and release control of alcohol dehydrogenase in thermo-responsive ionic liquid-derived polyelectrolyte hydrogel

○新関 鈴子¹、遠藤 拓夢²、高橋 拓海²、一川 尚広²、中村 暢文² (1. 東京農工大院先進学際、2. 東京農工大院工)

[P12]

ATR-IR studies on water near the surface of protic ionic liquids

野々部 佑紀、池田 勝佳、○本林 健太 (名工大)

[P13★]

Study on Aggregation in Ionic Liquid and Water Mixtures Exhibiting Lower Critical Solution Temperature

○龜山 愛輝¹、井上 捺希²、堀江 歩乃果²、木村 佳文^{1,2} (1.同志社大院理工、2.同志社大理工)

[P14]

CO₂ 吸収能をもつイオン液体中における CO₂ 電解還元反応の表面増強赤外観測

○橋本 遥平、渡辺 雄貴、池田 勝佳、本林 健太 (名工大院工)

[P15★]

Design of poly(ionic liquid)s exhibiting LCST phase transition behavior in water: Precise control of polymerization degree

○門脇 はな、山口 沙緒里、中村 暢文、大野 弘幸、一川 尚広 (東京農工大学)

[P16★]

Dependence of N=N bond thermal isomerization on the odd-even number for methylene of N-alkyl group in imidazolium-base ionic liquids

○伊藤 雄介、松本 壮太郎、河合 明雄 (神奈川大院理)

[P17★]

DMSO-Zwitterion Hybrid

○須藤 拓海、清水 充博、黒田 浩介 (金沢大理工)

[P18★]

Ion diffusion and charge fixation by photopolymerization-induced diffusion in polymerizable ionic liquids

○森 健介¹、田中 直樹^{1,2}、藤ヶ谷 剛彦^{1,2,3} (1.九大院工、2.九大 I²CNER、3.九大 CMS)

[P19★]

Medical Application of Reversible Enzyme Inhibition Dependent on Zwitterion Concentration

○松田 幸広、黒田 浩介 (金沢大理工)

[P20★]

From Solubility to Elasticity: Light-Responsive Polymers in Ionic Liquids

○中 翼^{1,2}、猿渡 彩³、上山 祐史¹、藤敷 岳志¹、玉手 亮多¹、上木 岳士^{1,2} (1.NIMS、2.北海道大院生命、3.東大院工)

[P21★]

Synthesis and photoreactivity of ionic liquids containing a photodimerizable coumarin moiety

○堀川 晃志、舟谷 佑典 (和歌山高専)

[P22★]

Development of Ionic Liquid System that Triggers On/Off Switching of Aggregation Induced Emission via Ion Design and Supramolecular Approaches

○横山 大空、山口 沙緒里、中村 暢文、一川 尚広 (東京農工大)

[P23★]

TEM Observation and Optical Characterization of Colloidal CsPbX₃ Quantum Dots Dispersed in Fluorescent Ionic Liquids

○久高 颯晟¹、Paundra Rizky Pratama¹、木田 徹也²、明石 優志² (1.熊本大院自然、2.熊本大産業ナノマテリアル)

[P24★]

Regeneration mechanism of cellulose from ionic liquid solution using X-ray scattering

○鈴木 爽也¹、木村 佳文^{1,2}、遠藤 太佳嗣² (1.同志社大院理工、2.同志社大理工)

[P25★]

宇宙を照らす発光液体材料

○齋藤 陽歩¹、松本 颯斗¹、中村 景¹、小澤 柚月¹、阿部 洋² (1.横須賀高校、2.防衛大材料)

[P26★]

Controlled Chemical Processing of Cellulose into 5-Hydroxymethylfurfural in Deep Eutectic Solvents

○都筑 拓弥、松宮 弘明 (名大院工)

[P27★]

Photoreactivity of Organometallic Ionic Liquids Containing Cyanoborate Anions

○中原 葵衣¹、持田 智行^{1,2} (1.神戸大院理、2.神戸大先端膜工学センター)

[P28★]

Synthesis and Characterization of Multifunctional Cellulose via a One-pot Reaction in Aqueous [TBP][OH]

○佐野 日彩¹、齋藤 篤志²、松田 聡²、岸 肇²、柿部 剛史² (1.兵庫県大工、2.兵庫県大院工)

[P29★]

Energies and relaxation kinetics of β -carotene excited states in fatty acid eutectic solvents observed with femtosecond time-resolved near-infrared spectroscopy

○鈴木 健、小関 七聖、床次 俊郎、岩田 耕一 (学習院大理)

[P30★]

Molecular Design of Cellulose-based Anion Exchange Membranes through Cationic Functionalization and Crosslinking

○坂口 渚、松田 聡、岸 肇、柿部 剛史 (兵庫県大院工)

[P31★]

Development of fluoride-based solvate ionic liquids for electrochemical fluorination

○明戸 美沙樹¹、本間 晴香¹、田嶋 稔樹^{1,2} (1.芝浦工大院理工、2.芝浦工大工)

[P32★]

1-ブチル-3-メチルイミダゾリウムアセテート水溶液におけるグルコマンナンのゲル化挙動

○野上 寛¹、阪上 宏樹²、津田 哲哉¹ (1.千葉大院融合理工、2.岩手大農)

[P33★]

Fabrication of Ionic Liquid-Modified TiO₂ Electrodes Encapsulating a Copper Complex and Their Application to Benzene Oxidation

○平野 称多¹、松岡 由佳¹、後藤 真奈¹、小澤 智宏¹、猪股 智彦¹、増田 秀樹² (1.名工大院工、2.愛工大院工)

[P34] 取り下げ

[P35★]

Development of a CO₂ Reduction Electrode based on an Ionic Liquid-Modified Gold
Substrate with a Cu Monolayer Deposited by Underpotential Deposition

○平岡 昌樹¹、森田 有紀、小澤 智宏¹、猪股 智彦¹、増田 秀樹² (1.名工大院工、2.愛工大)

[P36★]

特許出願手続きのため発表当日に公開いたします

○長田 凌雅、宇井 博紀、降幡 知巳、藤田 恭子 (東薬大薬)

[P37★]

Novel flow device for one-step ionic liquid synthesis

○高柳 隼平¹、大平 龍太郎¹、宮木 協¹、本川 正規¹、浅野 諒太²、金山 裕亮²、大平 慎一³
(1.GLサイエンス株式会社、2.株式会社サンアクティス、3.熊本大)

[P38★]

Screening of ILs that Stabilize Anti-CD20 Monoclonal Antibodies

○牟田 希海、杉浦 正浩、降幡 知巳、藤田 恭子 (東薬大薬)

[P39]

Charge Transport and Glassy Dynamics in Imidazolium-Based Poly(ionic liquid)/Ionic
Liquid Mixtures

○松本 篤¹、井筒 治棋²、青木 拓杜³、大塚 健生¹、浦川 理²、杉原 伸治¹、前田 寧¹ (1.福
井大院工、2.阪大院理、3.福井大工)

[P40★]

Screening of Amino Acid-Based Hydrated Ionic Liquids for Dissolving Fibrillated α -
Synuclein

○徳留 真尋¹、須賀 陸翔¹、降幡 知巳¹、塚越 かおり²、池袋 一典³、藤田 恭子¹ (1.東薬大
薬、2.東京理科大理、3.東京農工大工)

[P41★]

Evaluation of the Affinity between Ionic Liquid Mixtures and Polymer through Osmotic
Pressure Measurements of Polymer Gels

○猿渡 彩、篠崎 蒼平、作道 直幸、酒井 崇匡 (東大院工)

[P42★]

Structural Diversification of Complex Aromatic Ionic Liquids and the Construction of a
Library of Physical Properties

○福浦 海斗、塚崎 凜、田原 弘宣、村上 裕人 (長崎大院総合生産)

[P43★]

Corrosion Inhibition in Gallium-Based Liquid Metals and Their Application to Stretchable Electrodes

○深尾 優真¹、藤本 ひかる¹、神頭 萌果¹、宇佐美 夏香¹、太田 裕貴²、上野 和英^{1,3} (1: 横浜国大院理工、2: 横浜国大院工学研究院、3: 横浜国大 IAS)

[P44]

Structures and Thermal Properties of Ionic Plastic Crystals Containing an Organoiron Carbonyl Complex

○中園 陽介¹、井尻 草太¹、持田 智行^{1,2} (1.神戸大院理、2.神戸大先端膜工学セ)

[P45★]

Study on fluorescence lifetime of perylene at ionic liquids-sapphire interface

○藤原 正季、木村 佳文 (同志社大院理工)

[P46★]

Synthesis of Novel Fluorous Ionic Liquids with Low Viscosity

○手取屋 快星¹、松澤 奨¹、高橋 はな¹、本田 光典² (1.金沢大院自然、2.金沢大理工)

[P47★]

Phase Diagrams of Charge-Transfer Deep Eutectics Based on Viologen and Carbazole: Effects of Alkyl Chain Length on Phase Behavior

○伊藤 司¹、荒倉 海太²、田原 弘宣¹、村上 裕人¹ (1.長崎大院総合生産、2.長崎大院工)

[P48★]

Development of a Thermal Lens Microscope System for Measurement of Local Thermal Diffusivity of Inhomogeneous Systems

○中本 涼大¹、荒澤 龍之介²、安田 遥²、藤井 香里³、木村 佳文² (1.同志社大院理工、2.同志社大理工、3.産総研)

[P49★]

Effects of Ether Side-Chain Length and Anion Structure on the Physicochemical and Electrochemical Properties of Tetrahydrothiophenium-Based Ionic Liquids

○杉本 靖幸、廣津 義史、藤田 正博 (上智大理工)