

ポスターセッション第2部

9月15日(日)9:00~10:30

【無機/分析/環境化学】

- 2P001 Novel pyridine one-pot synthesis using ethanol and recovered ammonium carbonate(東電大院工,産総研再エネ,東工大物質理工) ○大瀧楓介,チャウダリチャンダン,小林大祐,真中雄一,難波哲哉
- 2P002 Metal Recovery through Thermal Decomposition using Poly(vinyl chloride)(東北大院環境,東北大院工学,仙台高専) ○藤原一貴,熊谷将吾,博吉汗斯琴高娃,齋藤優子,葛原俊介,吉岡敏明
- 2P003 Analysis of bromination-volatilization behavior in the recycling of waste printed circuit boards(東北大学院環境,東北大学院工,(株)DOWA メタルマイン) ○石川時,齋藤優子,熊谷将吾,斯琴高娃,中川原聡,渡邊宏満,大嶋祐介,吉岡敏明
- 2P004 Magnetic Separation of bentonite suspension with Fe_3O_4 and biodegradable polymer flocculant(秋田大理工,秋大院理工,三和テッキ(株)) ○藤原健祐,南波亮太,中村彩乃,佐藤友祐,村上賢治
- 2P005 High-purity Cu and PVC coating recovery from waste wire harness by PVC swelling followed by bench-scale milling(東北大院環) ○矢嶋大揮,熊谷将吾,博吉汗斯琴高娃,齋藤優子,吉岡敏明
- 2P006 Regeneration of degraded used edible oil using basic buffer solution and silica gel(山形大学院理工,山大工) ○菅井里緒奈,須田一生,佐々木貴史,遠藤昌敏
- 2P007 ピロカテコールバイオレットを用いたメンブレンフィルター捕集による環境水中のカドミウム定量(日大院工,日大工) ○仲澤雄登,佐藤公俊
- 2P008 Determination of amino acids in Japanese sake made from difference rice polishing ratio(日大院工,日大工) ○上田悠雅,長澤尚輝,沼田靖
- 2P009 Polystyrene Sulfonate-Coated Nanogel Comprising Polyethyleneimine and Lanthanide-Thiacalix[4]arene Complex for Imaging and Therapeutic Agents(東北大院環境) ○進藤なな帆,澤村瞭太,唐島田龍之介,壹岐伸彦
- 2P010 Development of Titanium Dioxide Photocatalyst Electrodes for Establishment of Photoelectrochemical Microscopy(東北大院工,東北大学際研) ○小川智之,阿部博弥,伊野浩介,珠玖仁
- 2P011 Droplet-free digital immunoassay for detecting C-reactive protein based on electrochemiluminescence(東北大院工,東北大院環境,山梨大院総研,東北大学際研) ○中村朱里,伊藤健太郎,井上(安田)久美,阿部博弥,Zhengyi Liu,佐藤伸一,伊野浩介,珠玖仁

- 2P012 Virus Inactivation Effects Using Surfactants and Considerations from Bilayer Membranes(山形大院理工,山形大工) ○佐竹絵里奈,佐々木貴史,松澤翔太,吉田一也,矢野成和,遠藤昌敏
- 2P013 Observation of protein condensates in gel microdroplets(東北大多元研,東北大院理,東京工大) ○山内皓太,川上純佳,丸山洋子,大橋祐美子,福山真央
- 2P014 Temperature dependence of the Maillard and Caramel reactions(日大院工,日大工) ○内田朋志,沼田靖
- 2P015 Catalytic reduction of 4-nitrophenol using DNA-Ag(I) complexes(福島医大,福島大 HERI,AIST) ○大樂武範,熊田佳菜子,田辺真
- 2P016 Upconversion luminescence of heteronuclear lanthanide-polyoxometalate complexes for luminescent probe by near-infrared excitation(東北大院環境) ○中原幹,唐島田龍之介,澤村瞭太,壹岐伸彦
- 2P017 New synthetic method of trimethylsilyl-substituted ferrocene ($(\text{Me}_3\text{SiC}_5\text{H}_4)_2\text{Fe}$) and related complexes(福島大共生システム理工) ○菅野祐大,猪俣慎二
- 2P018 Control of Electronic States of Ru-Dioxolene Complex by Halogen Bond(山形大院理,山形大理) ○大里拓也,藤井翔,金井塚勝彦,崎山博史
- 2P019 Synthesis and acid-base reactions of Ru(III) ammine complexes stabilized by intramolecular hydrogen bonding(福島大院理工,福島大理工,福島大水素研) ○渡邊蒼大,高瀬つぎ子,大山大
- 2P020 Synthesis of apatite-type calcium vanadate containing copper ion in the channel(秋田大院理工) ○菅原里紗,齊藤寛治,小笠原正剛,加藤純雄
- 2P021 Gas Sensing Performance of $\text{Cs}_{0.33}\text{WO}_3$ Nanoparticles Synthesized Via Water Controlled-Release Solvothermal Process(東北大多元研) ○金秋宇,ミヨウライ,大川采久,長谷川拓哉,殷シュウ
- 2P022 Development of near-infrared emitting scintillators based on Nd^{3+} -doped $\text{K}_2\text{O-Nb}_2\text{O}_5\text{-TeO}_2$ glass ceramics (秋田大院理工,奈良先端大,産総研) ○宗田駿太郎,河野直樹,中内大介,加藤匠,岡崎魁,市場賢政,西川晃弘,國方俊彰,宮崎慧一郎,加賀谷史,篠崎健二,柳田健之
- 2P023 Cobalt nanometal particles intercalated between graphite layers(岩手大院総合) ○阿部颯希,白井誠之
- 2P024 Synthesis of maghemite nano-particles using crystalline iron phosphate as starting material(秋田大理工,秋田大院理工) ○軽部友理南,大川浩一,太田光希,任傑,加藤貴宏
- 2P025 Excellent thermochromic performance of P-doped VO_2 films for smart window(東北大多元研) ○XUEYIBEI,ミヨウライ,長谷川拓哉,大川采久,殷シュウ
- 2P026 Low-temperature synthesis of a layered cesium titanoniobate for designed particle size(秋田大院理工,早稲田大材研) ○秋山隼人,齊藤寛治,小笠原正剛,加藤純雄
- 2P027 Acid-base catalytic properties of $\text{HLaNaNb}_3\text{O}_{10}\text{-(C}_8\text{)}_2\text{DMA}$ for one-pot reaction(秋田大院理工) ○平井佑市朗,小笠原正剛,齊藤寛治,加藤純雄

【物理化学】

- 2P028 Experimental Observation of Electron Distribution in Liquid Cyclohexane(山形大理,東北大多元研) ○高久朱音,亀田恭男,天羽優子,臼杵毅,那波和宏,佐藤卓
- 2P029 Hydrogel formation by liquid–solid transition and liquid–liquid phase separation of Hagfish intermediate filament protein(山大院理,山大院有機,山大理) ○小林龍輝,近藤俊輔,吉田晃,渡邊康紀,宮瑾,並河英紀
- 2P030 IR spectroscopic investigation of the OH···C bond on heptane – H₂O: Alkyl chain dependence of the OH···C bond(東北大理,東北大院理) ○吉田稜河,上野宗真,松田欣之,藤井朱鳥
- 2P031 Theoretical analysis of permittivity dependence dual-emission on diarylmethane derivatives(山形大院理工学) ○桑嶋翼,近藤慎一
- 2P032 Luminescence and Transient Diffuse Reflectance Measurements in Rutile TiO₂ Photocatalysts under Weak Excitation Condition(日大院工,日大工) ○齊藤壮,富塚由貴,加藤隆二
- 2P033 低温イオン移動度質量分析によるアルキルアンモニウム–ジベンゾ–24–クラウン–8–エーテル錯体の構造研究(東北大理,東北大院理) ○岸天翔,伊藤亮佑,渡辺喬介,大下慶次郎,美齊津文典
- 2P034 Low frequency Raman scattering measurement of cyclohexanol and 1–hexanol(山形大院理,山形大理) ○今井陸人,天羽優子,亀田恭男,臼杵毅
- 2P035 Infrared spectroscopy of the cationic dimethylamine–(H₂O)_n (n=0–2) clusters(東北大院理) ○鶴澤涼,松田欣之,藤井朱鳥
- 2P036 コロイド結晶の成長速度と構造遷移の過飽和度依存性(山形大院理工,阪大院基礎工,山形大理) ○對馬琴梨,伴貴彦,並河英紀

【有機化学】

- 2P037 Preparation and immobilization of enzymes with cellulose–binding domains (セルロース結合ドメインを有する酵素の作製とその固定化)(山形大院理工) ○花車円華,久恒光輝,矢野成和,木島龍朗
- 2P038 Anion recognition by helical receptor with binaphthyl groups as spacers (山形大理) ○大竹智之,近藤慎一
- 2P039 Separation of platinum group metals using dimethylaminomethyl–calix[4]arene by precipitation method(秋田大院理工) ○小野田陽斗,山田学
- 2P040 Studies on base pairing properties of deazaadenine nucleosides(日大院工) ○金澤優多,小野颯大,鈴木梓,齋藤義雄
- 2P041 ポーチミン A の5員環状イミンの構築の検討(秋田大院理工) ○福田梨央,小林跳馬,藤原憲秀
- 2P042 Synthesis and Reactivity of Amine– or Thiol–Terminated 1,3,5–Triazine Derivatives with Photo– and Thermo–Reactive Diazirine Groups and Their

- Application as Molecular Adhesive Reagents(岩手大理工) ○吉田陽雄雅,桑静,平原英俊,村岡宏樹
- 2P043 Creation of Azulene-fused Aromatic Compounds with Near-infrared Absorption and Emission Properties(弘前大院理工) ○釜菴巧,関口龍太,川上淳,伊東俊司
- 2P044 Effect of hydrophobic chains on the viscous behavior of ionic Bola-type ferrocene surfactants (イオン性 Bola 型フェロセン界面活性剤の粘性挙動に与える疎水鎖の効果)(山形大院理工) ○金谷莉佳,茂原虎勢,武田悠希,神保雄次,木島龍朗
- 2P045 Preparation of solid-state electrolytes from lithium and boroxine compounds and evaluation of their lithium-ion conductivities(東北大院工,京大院工) ○木谷洋平,北本雄一,山本俊介,服部徹太郎
- 2P046 Development of a novel deprotection condition for dithioacetals using a phthalocyanine iron complex 佐藤綾,(東北大院薬) ○町井駿斗,植田浩史,徳山英利
- 2P047 Racemization of amino acids using organic catalysts with Schiff bases and the application to dynamic kinetic resolution in microaqueous media (微水有機溶媒系における Schiff 塩基を用いたアミノ酸のラセミ化と動的速度論的分割への応用) (山形大院理工) ○工藤咲良,矢野成和,木島龍朗
- 2P048 アミロイドβ凝集を阻害するポリカテコールアミンの設計、合成、評価(山形大工,山形大院理工) ○滝口裕也,徐復生,真壁幸樹,今野博行
- 2P049 Synthesis of 13-aryl-azuleno[2,1-a]fenalenones and their intramolecular cyclization(日大院工) ○石川龍之介,庄子卓
- 2P050 Creation of Azulene-fused Aromatic Compounds that Accelerate Protonation and their Near-infrared Absorption and Emission Properties(弘前大理工,弘前大院理工) ○西岡晃,釜菴巧,関口龍太,川上淳,伊東俊司
- 2P051 [2+2+2]環化付加型反応を基盤とするジベンゾフランポリフェノール天然物の合成法の開発(秋田大院理工) ○秋山克樹,佐藤大介,藤原憲秀
- 2P052 Bromination of Alkenes with Copper(II) Bromide(東北大院工,東北大環保セ) ○黄海雄一郎,田中信也,大井秀一
- 2P053 Ion-pair recognition with amino acid-based receptors(山形大理,(株)レゾナック先端融合研) ○三室翼,平澤学,近藤慎一
- 2P054 Aggregation behavior of Bola-type surfactants containing bis-crown ethers in aqueous solution(水溶液中でのビスクラウンエテルを含む Bola 型界面活性剤の会合挙動)(山形大院理工) ○李偉,木島龍朗
- 2P055 プルノリドCの合成研究(秋田大院理工) ○大石晃弘,乾賢治,藤原憲秀
- 2P056 Highly fluorescent nanoparticles of triaryl borane-based intramolecular charge emitters(東北大院工) ○渥美舞彩,北本雄一,服部徹太郎
- 2P057 Synthesis and Structural Control of Gemini-type Surfactants containing ferrocene moiety Derived from Oleic Acid (フェロセンを有するオレイン酸由来ジ Gemini 型界面活性剤の合成と構造制御)(山形大院理工) ○早坂颯将,木島龍朗

- 2P058 Synthesis and properties of 11*H*-indeno[2,1-*a*]azulenes and transformation into 11,11'-biindeno [2,1-*a*] azulenylienes(日大工) ○岩渕正恭,庄子卓
- 2P059 Synthesis and Photophysical Properties of (D- π)₂-A Molecules with a π -Extended Aromatic-Fused Pyridazine Acceptor Core(岩手大理工) ○高橋賢亮,村岡宏樹
- 2P060 Highly Efficient Azulene Ring-bonding Reaction using Pd-catalyzed C-H Activation Reaction: Pd-catalyzed Selective C-H Arylation of Azulenes at the 2-Position by Utilized Heteroaromatic Substituent as a Directing Group(弘前大院理工) ○湯沢賢史,関口龍太,川上淳,伊東俊司
- 2P061 Hydroalkoxylation and Hydroamination of Carbodiimides Catalyzed by Titanium Amido Complexes with Indolyl-based Supporting Ligands(弘前大院理工) ○山内俊輝,木村和希,畑中励介,岡崎雅明,太田俊
- 2P062 ルブロン A の収束合成の検討(秋田大院理工) ○大山敦武,川村あかり,竹内愛理咲,藤原憲秀
- 2P063 Synthesis of Nonsymmetric Heteroditopic Receptors and Solubilization of Salts(山形大理,(株)レゾナック先端融合研) ○菅原嶺央,三室翼,平澤学,近藤慎一
- 2P064 Organocatalyst-mediated one-pot synthesis of *cis*-3,4-disubstituted-2-pyrrolidinones(東北大院理) ○橘利樹,大平陽向,林雄二郎
- 2P065 Synthesis of helical aromatic layered ureas connected to oligopeptide(群馬高専,お茶大院理) ○工藤まゆみ,永井梓織,伊丹柚貴,武田史,棚谷綾
- 2P066 Selective solid-phase extraction of In(III) and Ga(III) from water with salt crystals of *p-tert*-butylcalix[4]arene-1,3-diphosphonic acid(東北大院工) ○五十嵐成也,高橋流輝,諸橋直弥,服部徹太郎
- 2P067 Design and photophysical properties of novel ESF nucleosides possessing flexible sugar moieties(日大工) ○片山聖己,伊藤慶一郎,伊藤駿佑,湯上慧,齋藤義雄
- 2P068 C-H/C-H Type Cross-Coupling Reaction of Arenes using Pd-Catalyst and Cu-Oxidants(秋田高専) ○佐々木太一,船木憲治
- 2P069 AgOTf/Base-Mediated Electrophilic Iodination of Alkenes with Iodine(東北大院工,東北大環保セ) ○伊藤優希,田中信也,大井秀一
- 2P070 Resolution and chiral anion recognition of *P*-chiral phosphoric triamides(山形大院理工) ○田中聖,近藤慎一
- 2P071 Synthetic studies on Plakinidines 秋田一成,(東北大院薬) ○細井誠也,安達陶磨,坂田樹理,徳山英利
- 2P072 [2+2+2]環化付加反応に基づくジズアミン B の骨格構築の検討(秋田大院理工) ○山崎大志,広橋達也,藤原憲秀
- 2P073 Synthesis of adamantane derivatives to make self-assembled monolayer for sensing hydrogen peroxide. (秋田大院理工) ○柏崎和哉,近藤良彦,秋葉宇一

【化学工学】

- 2P074 Steam Co-gasification of Napier Grass (*Pennisetum purpureum*) Biochar and Giant Miscanthus (*Miscanthus giganteus*) to study the effect of Inherent Potassium for Co-gasification (弘前大理工,弘前大農学,弘前地域) ○アラハクウンユシャニ,アッザーラアギティアスホイルン,連絡朱,姜東鎮,阿布里提,官国清
- 2P075 CO₂ desorption from CO₂ absorbed amine solutions using ultrasound(秋田大理工,秋田大院理工) ○石塚健斗,大川浩一,任傑,加藤貴宏
- 2P076 Hydrogenation of Guaiacol over Graphite-supported Platinum-Palladium Bimetal Catalysts in Aqueous Ethanol Solution(岩手大理工) ○林ひばり,谷口賢吉,白井誠之
- 2P077 Molecular dynamics study of interfacial phenomena between surface-modified Al₂O₃ and solvent mixture(東北大院工,東北大流体研) ○佐藤悠都,斎藤高雅,久保正樹,庄司衛太,菊川豪太,SurblysDonatas,小宮敦樹
- 2P078 Temperature dependence of permeation rate of PNIPAM modified membranes (秋田大院理工) ○池田沙優,松本滉賢,中村彩乃,村上賢治
- 2P079 Microfluidic generation of nanofluid droplets for the fabrication of spherical colloidal photonic crystals through osmotic shrinkage(東北大工,東北大院工,東北大学際研) ○栗岡佳佑,WellingTom,波形光,渡部花奈子,菅恵嗣,長尾大輔
- 2P080 Hydrolysis of nylon-6 to ε-caprolactam in high-temperature liquid water 中田棕,(岩手大理工,産総研) ○大久保龍之介,谷口賢吉,日吉範人,山口有朋,佐藤修,白井誠之
- 2P081 Effect of affinity on the dispersibility of organic-modified nanoparticles in molten polymers(東北大院工) ○井上暁,斎藤高雅,久保正樹
- 2P082 Effects of ash composition and water on hardening reaction of fly ash(秋田大理工,秋田大院理工) ○平結衣花,小野茜里,加藤貴宏,任傑,大川浩一
- 2P083 Synthesis of acrylamide type thermoresponsive polymers using ultrasonic irradiation(東北大院工) ○益田耀由紀,瀬田幸於,斎藤高雅,久保正樹

【高分子化学/繊維化学】

- 2P084 ラズベリー状有機-無機高性能白色インクの開発(山形大学院有機,山形大工,山形大 INOEL) ○中村智幸,Md KamrulHasan,菊地守也,高橋茂樹,川口正剛
- 2P085 アルギン酸被覆された Fe₃O₄ 磁性体ナノ粒子の調製(岩手大院理工) ○川村綾音,塚本匡,芝崎祐二
- 2P086 Preparation of non-platinum catalysts for polymer electron fuel cell using poly(aza iron phthalocyanine) derivatives (日大院工,日大工,クミアイ化学工業(株)) ○灰谷典子,代島明莉,市川司,小林以弦,根本修克,吉岡孝太良,田中翔太,坂本勇樹,秋本雅史
- 2P087 Synthesis of Polyelectrolyte Tough Gels Using Polymer Side Chain Terminals(弘前大理工,弘前大院理工) ○福岡陸,若山佑香,呉羽拓真

- 2P088 Effect of Polycation and Anion Ratios on the Ionic Conductivity of Polymeric Ionic Liquid-Coated Nanoparticles(山形大院理工,山形大有機材料シスセ)
○根津夏樹,松尾兆優,増原陽人
- 2P089 Ion-conductive polyelectrolytes by photo-polymerization of *N*-vinylcaprolactam-based deep eutectics(山形大院有機) ○佐々木裕哉,四戸玲那,森秀晴
- 2P090 Preparation of PEDOT:PSS organic electrochemical transistors mixed with zwitterionic polymers(東北大院工,京都大院工) ○高橋和奏,三ツ石方也,山本俊介,柏崎亜樹
- 2P091 セルロースへのアミノ基導入と OAA1 レクチンの固定化(岩手大院理工, (株) The IT Lab) ○宮城亜衣,田口好弘,芝崎祐二
- 2P092 Analysis of antibacterial and antiviral activities of cationic polysiloxane polymers(日大工) ○柴崎天舞,市川司,根本修克,平野展孝,春木満
- 2P093 脂質ナノ粒子によるリソソーム酵素の細胞内デリバリー(日大院工,日大工) ○渋谷雄貴,月田秀幸,石原務
- 2P094 アクティブターゲティング型脂質ナノ粒子(LNP)の創製(日大院工,日大工) ○萩原佑季奈,中川侑香,石原務
- 2P095 The role of C-terminal disordered tail in self-assembly of carboxysome shell protein CcmO.(秋田大院理工) ○深松郁仁,大久保詠一郎,松村洋寿,尾高雅文
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