

ポスターセッション第2部

9月22日(日)9:00~10:30

【無機/分析/環境化学】

- 2P001 こんにゃく芋生産のための土壌改良判断キットの開発(鶴岡高専)○柴田紘, 牧和敬, 升水友太
- 2P002 Analysis of pH behavior caused by dissolved aluminum, organic matter and flouride in acidified rivers (山形大工, 山形大院理工)○小松智也, 鈴木慶継, 遠藤光起, 水沼里美, 佐々木貴史, 遠藤昌敏
- 2P003 Evaluation of the contamination situation of Fukushima and neighboring prefectures using Cs-134 and Cs-137 radioactivity ratio as an index(日大院工, 日大工)○大内隆, 大水優希, 佐山涼太, 佐藤健二
- 2P004 Simple and rapid analysis of poisonous mushroom by coloring method using Froehde reagent(日大院工, 日大工)○小松奈緒, 小林千紘, 佐藤健二
- 2P005 金属カルシウムを還元剤とした鉄鋼スラグ及び非鉄スラグ共存下におけるヘキサクロロベンゼンの分解(八工大工)○高橋裕貴, 七役あい理, 片山裕美
- 2P006 ヘキサクロロベンゼンの脱塩素化反応に関する金属酸化物の影響(八工大工)○七役あい理, 高橋裕貴, 片山裕美
- 2P007 Discrimination between tumor and normal tissues using Raman spectroscopy with principal component analysis.(日大院工, 日大工)○高橋格, 中田大貴, 沼田靖, 田中裕之
- 2P008 Synthesis of N-doped layered titanate/g-C₃N₄ composite and photocatalytic deNO_x activity(東北大多元研)○中村美珠々, 朝倉裕介, 殷シュウ
- 2P009 Effect of Pb-substitution on the modulation structure for Bi2212 superconductor(山形大院理工)○島袋義仁, 勝然秀人, 浪上智也, 佐藤祐輔, 菅野駿, 佐竹信明, 神戸士郎
- 2P010 Synthesis of Ag@Cu₂O Core-Shell Nanoparticles by Stepwise Thermal Decomposition of Metal Oxalate(山形大院理工, 山形大理)○橋本篤毅, 栗原正人, 富樫貴成
- 2P011 Synthesis and properties of [VO(dmf)₅][PF₆]₂ complex(山形大理)○山本翔平, 崎山博史
- 2P012 Electrochemistry of Wells-Dawson-type polyoxotungstate substituted by various metal ions(山形大院理工, 山形大学院理)○柴田宏, 伊藤絵梨沙, 松井淳, 並河英紀, 鷺浦啓
- 2P014 Nitrogen oxide reduced by CO in the presence of H₂O for ammonia synthesis over Pt supported on TiO₂ with high specific surface area(山大院理工, 産総研)○小林慶祐, 難波哲哉
- 2P015 Conductivity of Low-temperature Solution-processed Alkali-ion Doped CuI Thin Films(山形大学院理)○後藤義智, 石崎学, 栗原正人

- 2P017 Dual-catalysis activity of organic p-n bilayer for hydrogen peroxide oxidation induced both under illumination and in the dark (弘前大院理工)○佐藤衛,阿部敏之
- 2P018 Preparation of mononuclear and dinuclear iron(III) complexes with phenanthroline(山形大理,金沢大国際基幹教育,関西学院大理工)○星川竜聖,吉田光佑,三橋了爾,御厨正博,崎山博史
- 2P019 Mechanism study of hydrogen generation from polyethylene in presence of catalysts(東北大多元研)○井上彩織,ティ ゴック アンダオ,小関良卓,渡邊千香,石原真吾,加納純也,笠井均
- 2P020 優れた悪臭吸着能と光分解能を示すゾルゲル由来酸化チタン(山形大院理工)○吉田美和,大島茜,川井貴裕
- 2P021 Urea synthesis from ammonium salts using organic base or metal catalysts (東工大物質理工,JST さきがけ,産総研再エネ)○長塚祐樹,本倉健,眞中雄一
- 2P022 Ethylene glycol intercalation of MoS₂ for improved toluene sensing response at room temperature(東北大多元研)○ArdiansyahTaufik,朝倉裕介,殷澍
- 2P023 High yield post thermal treatment of bulk graphitic carbon nitride with tunable band structure for enhanced photocatalytic decomposition of NO_x(東北大多元研)○GUZH,AsakuraYusuke,YINShu
- 2P024 Raman spectral change of sulfite by oxidation reaction (日大工)○中田大貴,佐藤茜,沼田靖,田中裕之
- 2P027 Development of the preconcentration method based on homogeneous liquid-liquid extraction (HoLLE) for the high-sensitivity measurement of a trace amount of Cesium ion using the cascade ICP-MS method(国立高専機構福島高専,国立高専機構福島高専)○押手茂克,佐々木尚也,大平佑梨香
- 2P028 Recycling of decontaminated soil using geopolymer(福島高専 化学バイオ,長岡技科大院技学)○内田修司,佐藤将富,大城優,小林高臣
- 2P029 Separation selectivity of dysprosium and neodym from aqueous solution using microbial cells(八戸工大工)鶴田猛彦,○宮里匠,佐々木道広,千葉叶佳,黒滝広大,伊藤救,佐々木拓也
- 2P030 Development of Manganese-Titanium Oxide Electrode Materials by Morphology Controlling(八戸高専)○門磨義浩,立花慎之介,長谷川章

【物理化学】

- 2P031 Control in Molecular Assemblies and Electron Transport Properties of Alkali Metal Salts of Naphthalenediimide Derivative(東北大院工,東北大多元,京都大院工)○阿部春花,川崎涉,武田貴志,星野哲久,松田若菜,関修平,芥川智行

- 2P032 Chain-Length Dependent Electronic Transport Properties of Alkylammonium Salts with Dianionic Naphthalenediimide(東北大院工,東北大多元,京都大学) ○川崎渉,星野哲久,武田貴志,松田若菜,関修平,芥川智行
- 2P033 Nanoscale effect in mixed crystals between ferroelectric and antiferroelectric alkylamide-substituted benzene derivatives(東北大院工,東北大多元研)○吳寛筠,武田貴志,星野哲久,芥川智行
- 2P034 Binding mechanism of Thioflavin-T to the β -sheet model protein (山形大院理工バイオ化学)○浪岡沙英,堀裕基,真壁幸樹
- 2P035 First-principles investigation of ion transport and local structure in AgI-As₂Se₃ glasses(山形大 理)○高橋和樹,笠松秀輔,臼杵毅
- 2P036 First-principles investigation of pressure-induced structural transitions in amorphous GeO₂(山形大理)○松谷健太,笠松秀輔,臼杵毅
- 2P037 Probing the origin of anomalous ion conductivity behavior in halide-oxide mixtures(山形大学院理工,山形大学理)○山口弘太郎,石山典宏,笠松秀輔,臼杵毅
- 2P038 Quantum chemistry calculation and spectroscopic accuracy of the perpendicular-barrier height in the large-amplitude torsional potential of p-chromophore single-bond bridged compounds(日本大学院工)○鈴木雄大,奥山克彦
- 2P039 Conformational isomers and vibrational analysis of electronic spectra of 1,2-diphenylethane(日大院・工,日大・工)○大塚颯人,久保園尚樹,野田豪矩,奥山克彦
- 2P040 Electron spectrum of phenylisocyanate derivative(日大院・工,日大・工)○佐藤太祐,奥山克彦,野田豪矩,久保園尚樹
- 2P041 Stokes to anti-Stokes intensity ratio in Raman spectra(山形大理)○台丸谷歩,天羽優子,亀田恭男,臼杵毅
- 2P042 Poly-proline rod insertion as a useful tool for designing domain-swapped dimers(山形大・院理工・バイオ工学,奈良先端大・物質,長崎大・院工)○志賀翔多,山中優,藤原渉,廣田俊,郷田秀一郎,真壁幸樹
- 2P043 1st and 2nd order Optical Susceptibility of Triethylene Glycol(山形大理)○小座間孔志,亀田恭男,臼杵毅,天羽優子
- 2P044 Low frequency Raman scattering of 1,4-butanediol(山形大理)○長内和輝,天羽優子,亀田恭男,臼杵毅
- 2P045 Temperature dependence of the low-frequency Raman Spectra of LiCl and Phthalic acid solution from 0.1 to 250 cm⁻¹(山形大院理)○大村拓也,天羽優子,亀田恭男,臼杵毅
- 2P046 Correlation between electrical property of (Li⁺ or Na⁺) (Crown-Ether)-TCNQ complexes(東北大院工,東北大多元研,北大電子研)○三部宏平,星野哲久,武田貴志,中村貴義,芥川智行

- 2P047 Research about dynamics in CH₂BrI molecule induced by X-ray free-electron laser(東北大多元研,理研,ゲーテ大,京都大院理,DESY,JASRI,東北大学院理)○齋藤周,福澤広宣,YouDaehyun,LuoYu,SchofflerMarkus,仁王頭明伸,TrinterFlorian,FehreKirian,横野直道,大和田成紀,片山哲夫,登野健介,矢橋牧名,岸本直樹,永谷清信,上田潔
- 2P048 クラスタ解析を用いた MD トラジェクトリー解析プロトコルの構築と応用(日大院工,日大工)○土門優作,増川恵介,金田一樹,佐藤壺成,山岸賢司
- 2P049 Electronic and magnetic properties of an azopyridylruthenium complex アゾピリジルルテニウム錯体の電子状態と磁氣的性質(福島大・理工)○高瀬つぎ子,貝沼修弥,大山大
- 2P050 Chalcogen bonding between thionyl chloride and amines: A quantum chemical and matrix-isolation infrared study(岩手大院理工)○虻川大輝,八代仁,鈴木映一
- 2P051 Excited triplet decay of the inclusion complexes of polycyclic aromatics with modified cyclodextrin in aqueous solution(岩手大院理工)○紺野悠生,八代仁,鈴木映一
- 2P052 Transient microwave absorption study on exciplex between tetracyanobenzene and aromatic liquids(日大工)○二階堂真裕,加藤隆二
- 2P053 Characterization of circularly connected VHH bispecific antibody, Cyclobody(山形大院理工バイオ化学,東京農工大院工生命工,東北大院工バイオ工学,阪市大院工化生)○逸見早紀,浅野竜太郎,木村昂稀,梅津光央,中西猛,熊谷泉,真壁幸樹

【有機化学】

- 2P054 Synthesis and Aggrigation of the ferrocenyl bola surfactant with crown ether moiety クラウンエーテル環を有するフェロセン系 Bola 型界面活性剤の合成と会合挙動(山形大院理工,山形大工)○武田悠希,佐藤奈津美,波多野豊平,村上聡,木島龍朗
- 2P055 Synthesis of Pyrrolidine Chiral Ligand and Application to CBS Reduction(山形大院理工)○一ノ瀬史崇,木島龍朗,村上聡,松葉滋,波多野豊平
- 2P056 Synthesis and Optical Resolution of Binaphthyl Compounds with Axial Chirality (軸不斉を持つビナフチル化合物の合成と光学分割)(山形大院理工)○廣瀬友亮,木島龍朗,村上聡,松葉滋,波多野豊平
- 2P057 Chiral Recognition of Carboxylic Acids Using Transition Metal Complexes of a Pyridine-benzimidazole-based Ligand(山形大院理工,山形大工)○久保田敦子,川村明礼,阿部千尋,片桐洋史
- 2P058 Anion recognition by phosphoramidate derivatives(山形大院理工)○雷宸一
- 2P059 Vapor adsorption property for alkanes by supramolecular organic crystals based on Thiocalix arene(秋大院理工,秋大院理工)山田学,○上村郁弥,松本和也,寺境光俊

- 2P060 Selective and quantitative inclusion of regioisomers of disubstituted aromatic compounds with crystals of *p-tert*-butylcalix[4]arene(東北大院工)○松本知明,坂本篤哉,佐々木拓郎,諸橋直弥,服部徹太郎
- 2P061 Selective extraction of Yb³⁺ over Eu³⁺ and La³⁺ from water with the crystals of ammonium salts of *p-tert*-butylcalix[4]arene-1,3-diphosphonic acid(東北大院工)○大澤眞由,加藤豊,隅田佐保子,諸橋直弥,服部徹太郎
- 2P062 Synthesis of crown ether surfactant with ruthenocene moiety (ルテノセン分子を有するクラウンエーテル界面活性剤の合成)(山形大院理工,山形大工)○近藤亮甫,佐藤奈津美,波多野豊平,村上聡,木島龍朗
- 2P063 Synthesis and Properties of Novel Tryptanthrin Congeners Containing Azulene Skeleton(信州大理,弘前大院理工)○中澤悠平,鈴木紅音,太田哲,庄子卓,伊東俊司,関口龍太
- 2P064 Modification of azulene at 2- and 6-position with alkyl chains(東北大多元研,山口大院創成科学)○丸岡清隆,鈴木龍樹,村藤俊宏,笠井均
- 2P065 Synthesis and Photophysical Properties of 2-Phenylazulenes(信州大院理工,日大工,弘前大院理工)○庄子卓,杉山周平,和久井大輝,加藤隆二,安並正文,伊東俊司
- 2P066 Synthesis of Azulene-substituted Phthalimides by [4 + 2] Cycloaddition of 2-Aminofurans with Maleimides(信州大院理工,弘前大院理工)○庄子卓,飯田七海,太田哲,関口龍太,伊東俊司
- 2P067 Synthesis and properties of D- π -A molecules with a pyridazine core(岩手大理工)○乾海斗,村岡宏樹,小川智
- 2P068 Synthesis and characterization of aggregation-induced emission molecules using tetrathienylethylene as a basic unit(岩手大理工)○佐々木実緒,大久保晃裕,村岡宏樹,小川智
- 2P069 Synthetic Study of Azulene-fused BODIPY(信州大理)○城島一暁,石野さくら,太田哲,庄子卓,関口龍太
- 2P070 Fluorescence properties of diarylmethane and diarylsilane derivatives in various solvents (山大理)○桑嶋翼,近藤慎一
- 2P071 Synthesis and photochemical properties of cyclic siloxanes having pyrenyl groups(山形大院理工)○伊藤真琳
- 2P072 Synthesis and characterization of the modified hydroxystearic acid(山形大院理工,山形大工,楠本化成)○菅野裕理果,佐藤栄一,波多野豊平,村上聡,木島龍朗
- 2P073 Solvent-depending Optical Properties of Di(1-pyrenyl)methane Derivatives(山形大院理工)○市川美咲
- 2P074 Synthesis and evaluation of chiroptical property of Face-to-Face chiral anthracene dimers(東北大多元研,ボルドー大)○柿崎知典,ヨスパーニャウイジャク,黒沼慎,西嶋政樹,荒木保幸,小田玲子,和田健彦
- 2P075 Synthesis of π -Electron Systems with Direct Conjugation between Lewis Acid and Base Moieties and Their Ion-Addition Effect (山形大院有機)○山家敬弘,山門陵平,岡田修司

- 2P076 Synthesis of a Cross-Conjugated Molecule with Lewis Acid and Base Moieties and Its Ion-Addition Effect(山形大工,山形大院有機)○鍋田寛之,山家敬弘,山門陵平,岡田修司
- 2P077 Gelation behavior of gallic acid derivatives with long alkyl chains and hydrogen bond moieties(山大院理工,山大院理工)○進藤康平,伊藤和明
- 2P078 Thermoresponsive hydrogelation of cholesterol derivative having OEG chains.(山形大院理工)○小湊悠介,伊藤和明
- 2P079 Synthesis and gelation of the optically active hydroxystearic acid (光学活性なヒドロキシステアリン酸の合成とゲル化能)(山形大院理工,山形大工,楠本化成)○武石将暉,櫻井瑠那,佐藤栄一,波多野豊平,村上聡,木島龍朗
- 2P080 DNA delivery to glioma cells by cationic polysiloxane polymers conjugated with EGFR-binding peptides(日大院工,日大工)○山本瑞紀,中里光,木原慶彦,市川司,根本修克,石原務,平野展孝,春木満
- 2P081 8-アザ-3,7-ジデアザアデニン骨格を有する新規蛍光ヌクレオシドの合成と光学特性(日大工,日大工,日大工)○小木聖徳,船戸彩加,桑原健,齋藤義雄
- 2P082 Fabrication of antimicrobial nanoparticles(東北大多元研)○山内啓大朗,谷田恵太,小関良卓,笠井均
- 2P083 Fabrication of cholesterol-modified drug nanoparticles(東北大多元研)○小関良卓,笠井均
- 2P084 Development of intracellular condition-responsive linker for cancer cell selective drug delivery system(東北大学大学院理化)○大竹健太
- 2P085 Glutamine-Conjugated Fluorinated Chlorin toward Tumor-Targeted Photosensitizer for Photodynamic Therapy(山形大院有機,山形大院理工,大阪府大院工,奈良女子大共生科研セ)○設楽一人,石崎遥,今野博行,野元昭宏,矢野重信,鳴海敦
- 2P086 (和)米糠由来糶のキャラクタリゼーション(英)Characterization of *aspergillus oryzae* from rice bran(山形大院理工,山形大工,明友)○小山拓馬,寄兼星詩,鈴木優哉,佐藤美穂,村上聡,木島龍朗
- 2P087 Biodegradation of PCB analogues by *Comamonas testosteroni* YAZ2 (*Comamonas testosteroni* YAZ2 株による PCB 類縁化合物の生分解)(山形大院理工,山形大工,アプリザイム)○橋詰一幸,村上貴浩,杉村裕哉,伊藤丈太郎,矢野成和,村上聡,木島龍朗
- 2P088 ツキヨタケ子実体 (*Omphalotus japonicus*(Kawam.) Kirch. & O.K.Mill.)に含まれる新規セスキテルペン類に関する研究(岩手大院連農,山形大院農,YFSC)○青木聡樹,網干貴子,塩野義人,新井大輔,飯塚禎明,村山哲也

【化学工学】

- 2P089 Influence of ammonia concentration on uniform formation of mesoporous shell for silica cores in sol-gel reaction(東北大院工,山口大院創)○石川椿峰,藤本洸太,渡部花奈子,石井治之,長尾大輔

- 2P090 Investigation of microscopic wetting behavior of PDMS suspensions with surface-modified nanoparticles using a phase-shifting ellipsometer(東北大院工,東北大流体研)○金子峻大,米村建哉,庄司衛太,久保正樹,塚田隆夫,小宮敦樹
- 2P091 Alcoholysis reaction of benzyl phenyl ether in aqueous methanol solution(岩手大院総,産総研)○谷口賢吉,七尾英孝,佐藤修,山口有朋,白井誠之
- 2P092 H/D exchange reaction of 4-propylphenol over Pd/C in aqueous ethanol solution(岩手大学院総,産総研)○皆川直祐,永澤佳之,七尾英孝,佐藤修,山口有朋,白井誠之
- 2P093 Morphology of L-Glu and L-Leu crystals formed in alcohol-water mixtures.(岩手大学)○伊藤霞,横田政晶,土岐規仁
- 2P094 Separation of Strontium, Cobalt, and Cesium by Ammonium Sulfate Stripping(秋田大・理工)○福岡真侑,小池詩乃,高橋博
- 2P096 In-situ observation of lubricant films by micro-FTIR method under elastohydrodynamic lubrication conditions(岩手大学理工)○澤口悠霞,星靖,白井誠之,七尾英孝
- 2P097 Fundamental studies on purification of poly (ether sulfone) by using supercritical CO₂(東北大院工)○野村舜,佐藤善之,猪股宏
- 2P098 Aggregation induced emission of Au-glutathione complexes in various rigid matrices(山形大院理工,山形大工)○伊藤雄太,広木僚也,久田皓貴,阿部元洋,會田忠弘
- 2P099 Comparison of microstructure of *Ficus carica* and *Hevea brasiliensis* natural rubber(秋田大院理工,秋田大理工,秋田大バイオセ分子医学部門,理研CSRS)○横田早希,大和谷敬人,千田進介,鈴木健裕,堂前直,後藤猛
- 2P100 Fabrication of surface microstructure by decomposition of Fe(CO)₅ using atmospheric pressure microplasma.(山形大院理工)○三津谷怜威,伊藤雄太,會田忠弘
- 2P101 Electrochemical properties of microwell array with conductive bottom(山形大院理工)○山並寛典,伊藤雄太,會田忠弘

【高分子化学/纖維化学】

- 2P102 通常のラジカル重合開始剤と異なるトリブチルボランに関する研究(生文大ポリケミラボ)○菅野修一
- 2P103 特殊なラジカル重合開始剤としての S-アルピンボランの可能性について(生文大ポリケミラボ)○菅野修一
- 2P104 エバールを用いた新しい機能性材料の開発(山形大院理工,山形大工)○佐藤力哉,長岡沙羽,森大樹,佐藤由,西崎浩貴,門脇沙耶

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