

ポスターセッション第 2 部

9 月 16 日(日)9:00~10:30

【無機/分析/環境化学】

- 2P001 Development of a fluorescent microparticle-based immunoassay for screening of primary aldosteronism(東北大院環境,東北大院工,WPI-AIMR)○木内亮汰,佐藤さつき,伊藤健太郎,井上久美,藪浩,伊野浩介,末永智一,珠玖仁
- 2P002 The flocculation of bentonite suspensions by cationic natural polymer (秋大理工)○尾崎眞希,佐藤啓,中村彩乃,村上賢治
- 2P003 Evaluation of influence of aluminum and dissolved organic matter on pH behavior in acidified rivers using chemical equilibrium models(山形大工,山形大院理工)○鈴木慶継,遠藤光起,水沼里美,神戸士郎,佐々木貴史,遠藤昌敏
- 2P004 Proteomics analysis of renal proteins in HIGA mice, an animal model for spontaneous IgA nephropathy(秋大理工生命,理研生命分子解析ユニット,秋大医学部)○宮川礼奈,佐藤晶子,林英輝,橋間清香,松村洋寿,尾高雅文,堂前直,齋藤綾乃,小松田敦,高橋直人,涌井秀樹
- 2P005 Synthesis of magnetically separable adsorbent with temperature-responsiveness(秋大院理工)○牛島燎,中村彩乃,村上賢治
- 2P006 Preparation of organic -inorganic Nanohybrids by the Reaction of Metal Hydroxide with organic compounds.
(山大院)○佐藤あかね,菊池麻依夏,多賀谷英幸
- 2P007 Visible acetone detection using absorbance changes of phenylhydrazine compounds in a porous glass
(東北工大工,東北工大院工)○羽鳥拓人,鈴木義史,丸尾容子
- 2P008 Dechlorination of POPs using a Ca-catalyst-alcohol mixture and its reaction mechanism(八戸工大,県広大院)○片山裕美,三苫好治
- 2P009 Synthesis of Cu Nanoparticles by Thermal Decomposition of Oleylamine-Coordinated Copper oxalate Complex
(山形大学大学院理工)○橋本篤毅,中山雅人,金井塚勝彦,栗原正人,富樫貴成
- 2P010 Comparison of Raman spectra between normal and tumor tissues.
(日大工)○赤間佑希,河野武汰,小林隼人,沼田靖,田中裕之
- 2P011 Analysis of reaction kinetics between Schiff's reagent and nonanal in a porous glass(東北工大院工)○阿部捺美,丸尾容子
- 2P012 Synthesis of CuO decorated-SnO₂ microsphere for p-n junction type gas sensor application(東北大)○ヘルマワンアンガ,朝倉裕介,殷シュウ

- 2P013 Novel method for delamination of Mg-Al Layered Double Hydroxide in water solvent(東北大院環境)○池田大地,亀田知人,熊谷将吾,齋藤優子,吉岡敏明
- 2P014 The decomposition of fluoroborate ions by using of the alumina-silica mixture among other things(山形大工,山形大院理工)○松田寛隆,草野響史,鵜沼英郎,佐々木貴史,遠藤昌敏
- 2P015 Influence of Humidity on the sensitivity of cumulative NO analytical chip (東北工大院工,東北工大工)○浅沼光吾,鈴木義史,丸尾容子
- 2P016 Adsorption Characteristics of the New Fibrous Adsorbent for the Recovery of Cesium in the Environmental Water(国立高専機構福島高専,国立高専機構福島高専)○菊池駿祐,作田勇之介,押手茂克,ヘンユーゲック,石井太陽
- 2P017 Construction of naphthalocyanine molecular spin-coated films by adding fullerene(山形大院 理工,山形大 理)○佐々木泰河,石崎学,富樫貴成,栗原正人,金井塚勝彦
- 2P018 Effects of TiO_2 content of Pt/ TiO_2 -SBA-15 catalyst on ethylene oxidation activity(秋田大院理工)○鈴木智大,笠井梓緒里,池内孝夫,進藤隆世志
- 2P019 The Measurement of Formaldehyde from solution using β -diketone impregnated Porous Glass.(東北工大工)○鈴木明日也,岡澤宏樹,丸尾容子
- 2P020 Fibrous zeolite-polymer composites for decontamination of radioactive waste water extracted from radio-Cs fly ash(福島高専,長岡技科大,(株)カサイ)○内田修司,小林高臣,大城優
- 2P021 Solvent Extraction of Rhodium (III) from Hydrochloric Acid Solutions Using Alkylanilines as Extractants(秋大院理工)○瀬崎勇斗,松本和也,寺境光俊
- 2P022 Removal and Recovery of gold(III) by Biosorption and Biomineralization using Persimmon Gel(八戸工大院工)○長根山侑人,鶴田猛彦
- 2P023 Identification of mercury forms in by-product from a coal-fired power plant by TPD method(秋田大院理工)○作左部皓輔,加藤貴宏,大川浩一,菅原勝康

【物理化学】

- 2P024 Theoretical study of nonradiative deactivation pathways in indigo and its isomers(弘前大院理工)○伴野航大,山崎祥平
- 2P025 Evaluation of Interfacial pH Using Surface Forces Apparatus Fluorescence Spectroscopy(東北大多元研,東北大未来セ)佐野優花,○粕谷素洋,栗原和枝
- 2P026 Spontaneous resolution of asparagine by crystallization from supersaturated racemic solution(山形大院理工)○森元広之,鵜浦啓,並河英紀
- 2P027 $[\text{Ni}(\text{dmit})_2]$ 塩における固体イオン伝導とイオン交換(広島大院理)○西原禎文

- 2P028 Neutron diffraction study on the solvation structure of Lithium ion in 2-propanol solutions(山形大・理)○長谷部涼,亀田恭男,天羽優子,臼杵毅
- 2P029 Structures of sodium oxide cluster ions studied by ion mobility mass spectrometry(東北大理,東北大院理,IEHE)○石村優大,堀田力,蛇口大揮,永田利明,中野元善,美齊津文典
- 2P030 Effect of crystal structure on electron injection efficiency in dye-sensitized TiO₂ nano-particles(日大工)○和久井大輝,吉田明子,西祥穂,加藤隆二
- 2P031 Self-Organized Liesegang Structures Controlled by Potential Gradient (山形大院理工,山形大理)○板谷昌輝,方青,鵜浦啓,並河英紀
- 2P032 超臨界 1-プロパノールのラマン散乱 (山形大理)○加藤一,天羽優子,亀田恭男,臼杵毅
- 2P033 Transient absorption study on electronic structure of exciplex formed in aromatic liquids (日大工,阪大院工,-)○二階堂真裕,末延知義,中川達央,加藤隆二
- 2P034 Temperature dependence of the low-frequency Raman spectra of H₂O and D₂O from 0.1 to 250 cm⁻¹ (山形大院理,山形大理)○大村拓也,天羽優子,亀田恭男,臼杵毅
- 2P035 Ferroelectricity Properties of Dialkyltelephthalamide Derivatives (東北大院工,東北大多元研)○川名萌枝子,武田貴志,星野哲久,芥川智行
- 2P036 Interaction between Lipid Monolayer and Inorganic Clusters at the Air-Water Interface(山形大理,山形大院理工)○松橋由佳,大内裕也,鵜浦啓,並河英紀
- 2P037 Low-frequency Raman spectra of 1,3-propanediol-acetone mixture (山大理)○藤井有平,天羽優子,臼杵毅,亀田恭男
- 2P038 Solid state ferroelectricity of bowl-shaped trithiasumanene derivatives (東北大院工,東北大多元研,埼玉大学理工)○吳笥筠,武田貴志,星野哲久,甲山雅也,古川俊介,斎藤雅一,芥川智行
- 2P039 Control of Periodicity of Liesegang Structures by Concentrations of Reaction Substrates (山形大理,山形大院理工)○佐々木将人,板谷昌輝,佐藤大介,方青,鵜浦啓,並河英紀
- 2P040 Preparation and structure of gold-graphite composite(岩手大工,岩手大学院総,岩手大理工)○林滉太,加藤嵩介,山崎悠輔,七尾英孝,白井誠之
- 2P041 The molecular structure of electronically excited tolane (日大院工,日大工)○久保園尚樹,奥山克彦
- 2P042 嵩高い dabco を架橋子としたネットワーク構造における溶媒分子の吸着脱離過程(山口大院,東北大多元研)○志賀美咲,芥川智行,綱島亮

【有機化学】

- 2P043 Synthesis of (*S*)-*C*- β -D-glucosylquinochalcone: a common structure of safflower pigments(山形大院理工)○安部優香,丸山史織,佐藤慎吾
- 2P044 Synthesis and Characterization of Star-shaped Molecules with a Silole core and Aryl-functionalized Thiophene Side Chains
(岩手大理工)村岡宏樹,○久保田頼哉,小川智
- 2P045 Creation of Useful Substances by Tissue Cultured Cells and their Antimicrobial Activity(弘前医福大・保健,弘前大・教育,弘前大院・保健,弘前大院・保健)○長岐正彦,相馬成滋,小野幸大,辻口貴清,山内可南子,長南幸安
- 2P046 Enantioselective Addition Reaction of Vinyl Azide as a Synthon of Amide Enolate Catalyzed by Chiral Strong Brønsted Acid(東北大院理,南洋理工大)○中西大志,菊池隼,加賀敦志,千葉俊介,寺田眞浩
- 2P047 Synthetic Study on the Armchair-edged Carbon Nanotube Structure under Mild Cyclodehydrogenation Conditions
(弘大院理工,信大院理工)○山下翼,関口龍太,川上淳,伊東俊司
- 2P048 Synthetic study of safflower yellow B: a yellow pigment of safflower
(山形大院理工)○安部綾香,佐藤慎吾
- 2P049 Synthesis and polymer properties of poly(arylene sulfide) containing biphenyl units(岩手大理工)小川智,○三浦航,村岡宏樹
- 2P050 Creation of the unique cyclopentenone from biomass-derived compound by catalyst-free hydrothermal reaction
(東北大多元研,フロムシード(株))○神島堯明,野中利之,小関良卓,笠井均
- 2P051 Synthesis of Azulene-substituted Benzofurans and Isocoumarins by Intramolecular Cyclization of Azulenylalkynes(信州大理,弘前大院理工,愛媛大院理工)○庄子卓,田中美和,太田哲,関口龍太,伊東俊司,奥島鉄雄
- 2P052 Synthesis, Crystal Structure, and Fluorescent Properties of Regioisomeric Sulfonylaniline-Based Fluorophores
(山形大院理工)○星野七海,佐藤亜紀,別部輝生,片桐洋史
- 2P053 変形菌由来ケホコリン A と B の合成研究
(秋田大院理工)○元臼亮佑,佐藤大介,近藤良彦,秋葉宇一,藤原憲秀
- 2P054 Synthesis of reverse phase silica gels with various aromatic hydrocarbons and separation of halosilanes(山形大理)○丹野雅紀,近藤慎一
- 2P055 Synthesis of σ -ethynyl(adamantanesulfanyl)benzene and its application
(東北大院理)○吉田周平,豊田耕三

- 2P056 Synthesis and self-assembly behavior of pyrene derivatives conjugated with naphthalene diimide having OEG chains
(山形大院工)伊藤和明,佐藤和昭,○阿部浩大
- 2P057 Membrane transport of saccharides by polyer membranes including calix[4]resorcinarenes
(八戸高専,八戸高専専攻科)○工藤秀斗,安保勇紀,佐藤久美子,菊地康昭
- 2P058 Synthesis of fluorescent antagonists as molecular probes for CCR5 binding assays
(山形大院理工)○齋藤拓也,山口椋平,東海林由憲,横山智哉子,今野博行
- 2P059 Synthesis and characterization of aryl-functionalized 2,4-bis(dimethylamino)-6-(3-hydroxy-2-thienyl)-1,3,5-triazines and their methoxy analogues
(岩手大理工)村岡宏樹,○田口優介,小川智
- 2P060 Enantioselective Addition Reaction of Allyl Alcohols to Imines Catalyzed by Chiral Brønsted Base(東北大院理)○手塚光,赤平史織,近藤梓,寺田眞浩
- 2P061 Synthetic Study on a Warped Nanographene Incorporating Seven-membered Ring Structures(弘大院理工,弘大理工)○飯吉航平,長畑樹,川上淳,伊東俊司
- 2P062 Ir-catalyzed Direct Cyclization of Aromatic Amines with Diols
(山形大院理工,日大,分子研)○皆川真規,渡辺光一,豊田覚,魚住泰広
- 2P063 Synthesis and Photophysical Properties of Azulene-fused Triptanthrin Analogs Possessing Mesityl Substituent as a Solubilizing Group
(弘大理工,弘大院理工)○遠藤侑也,石川陽,川上淳,伊東俊司
- 2P064 Dye sparation from aqueous solutions by cloud point extraction of cholesterol derivatives having OEG chains.(山形大院工)○小湊悠介,佐藤和昭,伊藤和明
- 2P065 Synthesis and electrochemical and optical properties of porphyrazine derivatives with diphenylphosphine groups
(岩手大研究推進機構,岩手大生産技術研究セ)木村毅,○石井友美,西川尚男
- 2P066 Synthetic Study on the Organic Electrochromic Molecules Using Push-Pull Cyanine-Cyanine Hybrid Structure
(弘大理工,弘大院理工)○安藤樺南,佐々木一生,川上淳,伊東俊司
- 2P067 Cellular Regulation by the Ubiquitin Ligase Dma1(日大院工)○土門崇文,岸努
- 2P068 Synthesis and optical resolution of chiral binaphthyl dicarboxylic acid
(山形大院理工)○三浦伶央,木島龍朗,村上聡,松葉滋,波多野豊平
- 2P069 Optical resolution of *anti*-*O,O*-bis(carboxymethyl)-*p-H*-thiacalix[4]arene and its application(石専大理工)○岩清水慶多,高橋健太,鳴海史高
- 2P070 Asymmetric synthesis of α -oxy acid precursors by Grignard reagents
(Grignard 試薬による α -オキシ酸前駆体の不斉合成)
(山形大院理工)○今野亜衣,田口雄也,波多野豊平,村上聡,木島龍朗

- 2P071 Detection of amyloid- β peptides using colloidal gold particles formed by sulfhydrylated polysiloxane polymers conjugated with amyloid- β peptides
(日大院工)○中里光,伊藤善哉,市川司,根本修克,平野展孝,春木満,木原慶彦
- 2P072 Amplification of RNA signal by iterated target-induced cleavage of fluorescent probes by intracellular RNase H activity
(日大院工)○藤原諒太,平野展孝,春木満
- 2P073 Dye recovery from aqueous solution by using LCST behavior or photodimerization of anthracene derivatives bearing OEG chains
(山形大院工)○村山亮太,佐藤和昭,伊藤和明
- 2P074 リスタバクチン類の合成研究
(秋田大院理工)○須田優介,下澤省吾,近藤良彦,秋葉宇一,藤原憲秀
- 2P075 Phosphorylation that triggers the ubiquitin-dependent degradation of Swi5.
(日大院工)○小川直也,林宏樹,岸努

【化学工学】

- 2P076 Rapid Preparation of Hard Anodic Oxidation Coatings on 6063 Aluminum Alloy via Etidronic Acid(秋田県大院,秋田県大,西華大)○黄紅鍵,邱建輝,魏曉偉,境英一,伊藤一志
- 2P077 Lubrication and hydrogen barrier properties of organic-modified clay grease(岩手大工,岩手大院総,岩手大理工)○外崎直也,青木一樹,白井誠之,七尾英孝
- 2P078 In-Situ Polymerization of Epoxidized Soybean Oil (ESO) for Manufacturing Highly Tough ESO/Poly (Lactic Acid) Blends in a Twin-Screw Extruder(秋田県大院,秋田県大,福建農林大)○劉文地,邱建輝,邱仁輝,境英一,伊藤一志
- 2P079 Partial oxidation of real bioethanol to acetaldehyde over Au nano particles supported on several zeolites (石巻専修大,徳島大,三和澱粉)○鈴木友香理,斎藤麻里子,菊池尚子,塩谷歩美,山崎達也,加藤雅裕,吉川卓志,和田守
- 2P080 Effect of humidity on lubrication properties of ionic liquid (part.II) ~Surface analysis by TOF-SIMS~(岩手大工,岩手大院総,岩手大理工)○八重樫友人,青木一樹,白井誠之,七尾英孝
- 2P081 Effect of Sulfur in Carbonaceous Material on Reduction of Iron Ore/Carbon Composites (秋田大院理工)○小野寺凱,加藤貴宏,大川浩一,菅原勝康
- 2P082 Effect of operating conditions on morphology and structure of protein crystal(岩大院総,岩大理工)○黒木大輔,土岐規仁,横田政晶

- 2P083 Numerical investigation of effect of nanoparticle-wall interaction on dispersion and aggregation behavior of surface-modified nanoparticles in shear flow(東北大院工,PIA,東大環安セ,城西大理,東北大 AIMR)
○豊田慎一郎,薄根真,久保正樹,庄司衛太,塚田隆夫,小池修,辰巳怜,藤田昌大,阿尻雅文
- 2P084 Decomposition behavior of formic acid by UV irradiation with hydrogen peroxide(秋田大理工,秋田大院理工)○ワユディン ビン ワギル,菅原悠人,加藤貴宏,大川浩一,菅原勝康
- 2P085 Furfural Production from Xylose and Bamboo over Montmorillonite-type Clays(岩手大工,岩手大院総,岩手大理工,産総研)○山内優希,松本智紘,金内良介,七尾英孝,佐藤修,山口有朋,白井誠之
- 2P086 大気圧プラズマを用いた $\text{Fe}(\text{CO})_5$ からの酸化鉄微小構造体の形成(山形大院理工)○三津谷怜威,會田忠弘,伊藤雄太
- 2P087 マイクロウェルを用いたガラス基板上への金属マイクロ構造の形成(山形大院理工)○山並寛典,上野将輝,伊藤雄太,會田忠弘
- 2P088 1.6MHz 超音波を用いたガラスキャピラリー内の懸濁液中の微粒子の制御(山形大院理工)○板垣暁,ラザリヌルル ナディラ ビンティ,伊藤雄太,會田忠弘
- 2P089 PVA ナノファイバーをテンプレートに用いたポリマーフィルム内への貫通管状細孔の形成(山形大院理工)○宮下高志,広木僚也,伊藤雄太,會田忠弘
- 2P090 Measurement of temperature distribution in water under irradiation of single-mode microwave(八戸工大工)○小林正樹,木村啓悟,高村勇貴,貝吹真哉,三浦順平,柴田幸司

【 高分子化学/繊維化学 】

- 2P095 ニトリルヒドラーゼの触媒反応機構解明-シリアルフェムト秒構造解析に向けた取り組み(秋大・理工,秋大院・理工,理研・SPRING-8,兵庫県大院・生命理,東農工大院・工)○辻井啓夢,林英輝,北条晴佳,松村洋寿,小川信明,野村高志,當舎武彦,城宜嗣,野口恵一,養王田正文,尾高雅文
- 2P096 Characterization of CcmN, putative scaffold protein of β -carboxysome(秋大院・理工,東農工大院・工)○大畠昌也,中村隆太郎,中口雄貴,三木智寛,松村洋寿,福谷洋介,小川信明,野口恵一,養王田正文,尾高雅文
- 2P097 ニトリルヒドラーゼの触媒反応機構解明に向けた取り組み(秋大院・理工,理研・SPRING-8,兵庫県大院・生命理,東農工大院・工)○林英輝,北条晴佳,松村洋寿,小川信明,野村高志,當舎武彦,城宜嗣,野口恵一,養王田正文,尾高雅文

- 2P098 *Pseudonocardia Thermophila* 由来の Co 型 Nitrile Hydratase の発現系構築
(秋大理工,秋大院理工,理研 SPring8,兵庫県大院生命理,東農工大院工)
○佐々木春弥,林英輝,北篠晴佳,松村洋寿,小川信明,野村高志,當舎武彦,
城宜嗣,野口恵一,養王田正文,尾高雅文
- 2P099 Exoexpression system construction of protein nano-capsule Encapsulin with
short chain antibody introduced(秋田大学)○竹原直輝,野中衛,松村洋寿,
大室有紀,上田宏,尾高雅文
- 2P100 construction of HMGB ii expression system in *E.coli*
(秋田大理工)尾高雅文,涌井秀樹,松村洋寿,中村隆太郎,○清水紗英
- 2P101 好熱菌 *Thermotoga maritima* 由来 Encapsulin ナノカプセルを用いた新規内
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○杉島小雪,松村洋寿,面川歩,布村渉,堂前直,長門石曉,津本浩平,尾高雅文,
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- 2P104 ミエロイド細胞に発現する誘発性受容体 TREM-1 組み換えタンパク質の作製
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