The 9th NanoLSI Symposium Poster Session (May 26th, Monday, Miyako Messe)

PNA：1F Exhibition Hall A

	No	Name	Title
1	PNA_01	Sonam Sonam	Carborane-NSAID Conjugates: Synthesis, COX Inhibition, and Anticancer Activity
2	PNA_02	Banchhanidhi Prusti	Twists and Turns in Polymorphic Dianthrylethene Cores
3	PNA_03	Naoki Shukuya	Analysis of the formation mechanism of RNA-dependent capsid-like structure of human Arc with high-speed atomic force microscopy
4	PNA_04	Masaharu Hazawa	Nano-scale dissection of biophysics and structures determining passages of proteins through the nuclear pore
5	PNA_05	Kavya Vinod	Structural and Energetic Insights into the Nanocrystalline Assembly of a Eumelanin Precursor
6	PNA_06	Kosuke Mizuno	Wnt3a Dynamics and Functional Differences Between Complexes
7	PNA_07	Takehiko Ichikawa	Epithelial stratification: a crystallization analog driven by 3D foam geometry
8	PNA_08	Ryota Imada	Single Molecule Imaging of Histone Tails by High-Speed Atomic Force Microscopy
9	PNA_09	Neval Yilmaz	Hepatocyte Growth Factor Initiates Signaling by Inducing Dimerization at the Membrane-Proximal Domain of MET Receptor
10	PNA_10	Djamel Eddine Chafai	AFM-based investigation of CRMP2A oligomeric structures and their impact on glioblastoma cells
11	PNA_11	Alexis Borowiak	Investigating the nucleus elasticity of the beating cardiomyocytes nucleus in laminopathy by nanoendoscopy-AFM
12	PNA_12	Romain Amyot	Machine learning applications towards automatized analysis and interpretation of HS-AFM imaging data
13	PNA_13	Md Dobirul Islam	Optogenetic Control of Nonsense-Mediated mRNA Decay for Single-Molecule Imaging
14	PNA_14	Takeshi Shimi	Development of Genomic DNA Manipulation Method Using Nanoendoscopy-AFM
15	PNA_15	Madhu M. Biyani	High-speed atomic force microscopy and 3D modeling revealed the structural dynamics of ADAR1 complexes
16	PNA_16	Tamoghana Das	A Curious Case of Competing Interactions
17	PNA_17	Chun Huang	Fabrication of Superhydrophobic Surface from a Supramolecular Organosilane with Atmospheric Pressure Plasma Processing
18	PNA_18	Kohei Nishioki	A Highly Photo-Stable[8]Rotaxane-Type Circularly Polarized Luminescence Fluorophore Exhibiting Near-Infrared Emission

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19	PNA_19	Carla Lorenzo	Pathway Complexity affords Dynamic P/M Supramolecular Aggregates from Chiral and Non-symmetric OPE Derivatives
20	PNA_20	Tan-Hao Shi	Internal and external pockets in pillar[n]arene sheets and their host-guest binding beyond cavity volume limitations
21	PNA_21	Luis Claudio Pantaleone	Exerting pulling forces in fluids by directional disassembly of microcrystalline fibres
22	PNA_22	Thomas Alain Hector	A Dipolar Molecular Motor with Planar Chirality
23	PNA_23	Christian Zocher	Enhancing NMR Sensitivity of Small Molecules with Calix[4]arene-Based Hyperpolarization Strategies
24	PNA_24	Tom Lawson	Effects of mechanical interlocking on perylene diimide
25	PNA_29	Ping Jiang	Thermal Modulation of Exciton Recombination for High-Temperature Ultra-Long Afterglow
26	PNA_31	Hyejin Kim	Construction and Structural Analysis for Cu (II) Coordination Networks
27	PNA_32	So Hyeon Kwon	Catalytic Effect of Zn (II) Complexes through Structural Conversion by Chemical Stimuli
28	PNA_34	Natsuki Suda	Highly Fluorescent Self-Assembled Nanorings
29	PNA_35	Seiya Ota	π -Extended ligands with dual-binding behavior: hindered rotation unlocks unexpected reactivity in cyclometalated Pt complexes
30	PNA_36	Alice Gable	The conformational behavior of peptides with alternating chirality: a first step towards entangled proteins?
31	PNA_37	Noel Pairault	Towards Regulation of Dynamic Photon Up-Conversion in a [3]Rotaxane
32	PNA_38	Venkateswarulu Mangili	Transmission of Chirality from Exterior to Confined Cavity in a Molecular Barrels: Discovering Enantioselective Recognition of Atropisomers
33	PNA_39	Axel Troncossi	Structural influence of the chemical fueling system on a catalysis-driven rotary molecular motor
34	PNA_40	Takahiro Nakama	Entrapment of Protein-Lipid Transient Complex within a Coordination Cage for its NMR Study
35	PNA_42	Paula Cornelia Petronella Teeuwen	Energy landscapes of metal-organic cages with increased connectivity and adaptability
36	PNA_43	Job Hanssen	Pt6L12 Nanosphereswith Multiple C70Binding Sites For ROS-mediated Photoimmunotherapy

37	PNA_44	Yogendra Singh	High-Yielding Nanobelt Formation by Chirality-Assisted Synthesis
38	PNA_45	Rongjuan Liu	Controlled writhing of chiral matter in deformable droplet confinement
39	PNA_46	Karolis Norvaisa	Transporting Inorganic Phosphate and Its Esters: Challenges and Requirements for Synthetic Anionophores
40	PNA_47	Dan Pantos	Chiral emissive thin films
41	PNA_48	Tatsuya Nishimura	Stimuli-Responsive Helical Conformation in Optically Active Poly(diphenylacetylene)s and Its Structural Characterization by Atomic Force Microscopy
42	PNA_49	Yuki Shintani	Oxidation-Responsive Supramolecular Hydrogel Based on a Simple Cysteine Derivative Exhibiting Autonomous Gel-Sol-Gel Transitions
43	PNA_51	Koki Chida	Synthesis and Application of Carbonaceous Materials Derived from Well-Designed Organic Crystals
44	PNA_52	Dejan Walter	Tuning of Guest Uptake/Release Kinetics of a Dinuclear Cobalt(III) Metallohost by Auxiliary Amine Ligands
45	PNA_53	Kenichi Kato	Stereoisomerism and Conformations of Pillar[n]arenes and Related[1n]Paracyclophanes
46	PNA_54	Honghua Zhang	Advancing Mechanically Planar Chiral Rotaxanes via a Chiral Artificial Molecular Pump
47	PNA_55	Kyosuke Goto	Investigation of selective formation of a [c2]daisy chain pseudorotaxane using molecular dynamics simulations
48	PNA_56	Elena Prigorchenko	The devil is in the details: What is important in the mechanochemical synthesis of hemicucurbiturils?
49	PNA_57	Seiya Fujita	Evaluation of the photoacoustic imaging capability of water dispersible polysaccharide- porphyrin complexes for theranostic applications
50	PNA_58	Ping Zhou	An electric molecular Faraday cage
51	PNA_59	Zhou Wang	On-Surface Synthesis of Open Shell Coronoid π -conjugated Macrocycles.
52	PNA_60	Zongjiang Yu	Synthesis of salen-type cryptophanes using dynamic covalent bonds and the guest recognition
53	PNA_61	Keita Watanabe	Synthesis and Derivatization of Super Acid Resistant Macrocyclic BODIPYs
54	PNA_62	Sk Asif Ikbal	Control of chirality inversion speeds in a dynamic helical metallocryptand by alkali metal ion binding

55	PNA_63	Agnieszka Bajer	Transmission of Chirality from Exterior to Confined Cavity in a Molecular Barrels: Discovering Enantioselective Recognition of Atropisomers
56	PNA_64	Akshay Saroha	Regulation of Microtubule Dynamics and Function in Living Cells via Cucurbit[7]uril Host-guest Molecular Recognition
57	PNA_65	Rikuya Tanaka	Selective Photocatalytic Cross-[2+2] Cycloadditions Based on Confinement Effects with a Visible-Light-Active Pt(II)-Cornered Hollow Cage
58	PNA_66	Xiaoxiao Cheng	A Synthetic Model Inspired by DNA Conformational Transitions: Exploring Mechanical Forces of Dynamic Poly(Phenylacetylene) Mechanophores
59	PNA_67	Kariana Kusuma Dewi	Size-modulable and monodisperse microresonators fabricated by inkjet printing for underwater applications
60	PNA_68	Syadza Firdausiah Syahruddin	A Novel Helical Tris(salen)-Type Metallocryptand for Selective Recognition Towards Amino Acid Derivatives
61	PNA_69	Gaku Fukuhara	Recent Advances in Cancer Detection/Imaging Using Supramolecular Soft Materials
62	PNA_70	Taichi Sano	Efficient Data Collection for Image-Based Machine Learning Using Inkjet Printer
63	PNA_71	Rohit Kapila	Dynamic templated supramolecular Pt(II) assemblies for optochemically controlled oxidase activity and logic gate operations
64	PNA_72	Ranit Banerjee	Fullerene Induced Structural Transformation of a Metal-organic Cage and Olefin Oxidations by Fullerene Bound Complex under Red Light
65	PNA_73	Roy Lavendomme	Efficient templation of pillar[6]arenes
66	PNA_74	Minaz Parbin	Construction of Low-Symmetry Self-Assembled Coordination Cages by Integrative and Heteromeric Completive Self-Sorting
67	PNA_75	Clemens M. Franz	Observing Dynamic Conformational Changes within the Coiled-Coil Domain of Laminin-332 Using High-Speed Atomic Force Microscopy
68	PNA_76	Ingram Tan	Exploring Nucleic Acid Delivery and 3D Tumor Spheroids Penetration Using Self- Assembling Peptide Amphiphiles
69	PNA_77	Yuhao Li	Water Permeation Observed in Stacked Nanographene with a Benzene Hole
70	PNA_78	Taiki Ichikawa	A photostable rotaxane-type bacteriochlorin photosensitizer suitable for photodynamic therapy
71	PNA_79	Urszula Bazylińska	Coco betaine-encrusted polymersomes decorated with NaErF4@NaYF4 nanoparticles as tunable tools for rapid luminescence lifetime imaging
72	PNA_80	Kensuke Suga	Dual Ratiometric Fluorescence Monitoring of Mechanical Polymer Chain Stretching and Subsequent Strain-Induced Crystallization

73	PNA_81	Ryo Kudo	Temporal Evolution of Helicity in Supramolecular Polymers of Chlorophyll Rosettes
74	PNA_82	Shuai Fang	Allosteric Regulation Induced Cation Recognition by A Cationic Capsule
75	PNA_83	Lara Rae Holstein	Emergence of Autonomous Oscillatory Motion Fueled by Supramolecular Functional Molecules
76	PNA_84	Yuhei Yamada	Curved Supramolecular Polymers of Quinazolinedione Rosettes

PNB：3F Exhibition Hall B

	No	Name	Title
1	PNB_01	Raveena Soni	Reversible Switching Between a Self-Assembled 2-Catenane and the Constituent Coordination Rings
2	PNB_02	Jedrzej P. Perdek	2,5-Dipyridylpyrrole in Supramolecular Chemistry-Click, Rotaxanation, and Skeletal Editing
3	PNB_03	Shion Masano	Reversible adsorption of ammonia in the crystalline solid of a COOH-functionalized oligophenylene ring
4	PNB_04	Yi-Fu Liu	Controlling Coordination Numbers of Lutetium to Regulate Overall Framework of Salen Macrocyclic Complexes
5	PNB_05	Kiichi Yasuzawa	Ionic Guests Drive Charge-Transfer Assembly to Overcome Shape-mismatches between Pillar[5]arene and Cyanostar Macocycles as Emissive Donor-Acceptor Pairs
6	PNB_06	Kosuke Ikegami	Size-Selective Synthesis of Bowl-Shaped Macrocyclic Imines with π-Curved Surfaces
7	PNB_07	Ben E. Barber	Drug Delivery with Cell-Stable Platinum(II) Metal-Peptidic Cages
8	PNB_08	Justyna Biesaga	1,2,3-Triarylazulenes as precursors of azulene-embedded polycyclic aromatic hydrocarbons
9	PNB_09	Dehui Tuo	Topologically Self-Locked Chiral Pillar[5]arenes: Unit and Macrocyclic Planar Chirality Interplay for Their Diastereoselective Synthesis and Chiroptical Property
10	PNB_10	Kenta Iizuka	Solid-State Encapsulation of Medium-Sized Molecules in M6L4 and M9L6 Coordination Cages
11	PNB_11	Mai Kitamura	Protein folding promotion in highly condensed conditions by redox-active micelles
12	PNB_12	Sota Nakayama	Near-unity angular anisotropy of circularly polarized luminescence from microspheres of monodispersed chiral conjugated polymer
13	PNB_13	Chun Tang	A Geometrically Flexible Three-Dimensional Nanocarbon

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14	PNB_14	Kanta Kimura	Hybridization of Room-Temperature Phosphorescent Polystyrene Sulfonic Acid for Control of Emission Wavelength
15	PNB_15	Yuya Hokimoto	Unsymmetric Conversion of Pyridylbenzoxazole Macrocyclic Trimer and Its Metal Complexation
16	PNB_16	Ruihua Zhang	Balancing volumetric and gravimetric capacity for hydrogen in supramolecular crystals
17	PNB_17	Michael J. O' Sullivan	MacTACs: Employing Macrocycles for Targeted Protein Degradation
18	PNB_18	Leah E. M. White	One Ligand, Four Cages: Diverse Outcomes in Pd3L4 Metal-Peptidic Cage Self- Assembly via Subtle Oligoproline Modifications
19	PNB_19	Yuki Ohishi	Chiral Assembly of a Pyridine-Phenol Alternating Macrocycle Bearing Amide Side Chains Induced by Saccharide Recognition
20	PNB_20	Itsuki Tajima	Sonication-Induced Transformation of Self-assembled Helicoids into Toroids
21	PNB_21	Sota Amano	Exclusive Macrocyclization through Multiple Si-O Bond Formations
22	PNB_22	Daisuke Ogawa	Magnetically controllable self-assembly of graphene oxide nanosheets for designable structural colors
23	PNB_23	Kenta Tamaki	Dynamic Transformation Processes toward Dimensionally Distinct Out-of- equilibrium Supramolecular Polymorphs under Varying Light Intensities
24	PNB_24	Wang Zhang	Modulation of electronic properties of Ru-based metal-organic frameworks using chemical oxidation
25	PNB_25	Yuanxin Deng	Multifunctional Dynamic Poly(disulfide)s for Sustainability
26	PNB_26	Kyeong-Im Hong	Exploring Spin Selectivity in Hydrogen-Bonded Supramolecular Polymers under Chiroptical Switches
27	PNB_27	Zhe Li	Anion/Solvent-Responsive Tautomeric Metal-Organic Cage Pairs for Artificial Water Channels and Biomedical/Environmental Applications
28	PNB_28	Kazuki Toyama	Encapsulation of Phosphorescent Cu-S Clusters within Aromatic Micelles
29	PNB_29	Rei Hamaguchi	Regulation of Membrane-Raft Dynamics via a Transition Metal-Catalyzed Reaction
30	PNB_30	Ibuki Yasui	Preparation and Mechanical Characterization of Metal Ion-DNA Hydrogels for Sustainable Applications
31	PNB_31	Leonardo Hayato Foianesi-Takeshige	Salt-Induced Aggregation of Water-Soluble Bipyridyl-Bridged Porphyrin Macrocycles
32	PNB_32	Bohan Tang	Photoswitchable Quadruple Hydrogen-Bonding Motif

33	PNB_33	Yoshitane Imai	External magnetic field-driven circularly polarized luminescence and circularly polarized electroluminescence from phthalocyanine luminophore
34	PNB_34	Priyam Das	4D Information Encryption with pH Clock Guided Transitory Emission in Dynamic Assemblies
35	PNB_35	Sheng-Kai Wang	Structure investigations and applications of polyproline-based macrocyclic nanoscaffolds for carbohydrate-protein interactions
36	PNB_36	Xueze Zhao	Manipulating symmetry-breaking charge separation employing molecular recognition
37	PNB_37	Akihiro Orita	Modular Synthesis of Twisted Closed [6]Helicene
38	PNB_38	Gloria Tobajas-Curiel	Interrogating Individual Hydrogen Bonds at the Single-Molecule Level
39	PNB_39	Guangcheng Wu	An aqueous artificial molecular pump
40	PNB_40	Karen M. Junghans	Supramolecular approaches to enhanced drug-delivery and cell permeability properties
41	PNB_41	Sho Fukuda	Amide Embedded Pyrenes: Synergy between Molecular Assembly and Optical Properties
42	PNB_42	Yoshiki Ishii	Molecular Modeling and Simulation on the Structural and Energetic Properties of Self-Assembled Supramolecular Polymers
43	PNB_43	David W. Burke	Mechanically Tunable Porous Gels Constructed via the Dual Coordination/Covalent Polymerization of Rhodium-Organic Polyhedra
44	PNB_44	Yuya Imuro	Development of an Effective Type I Photosensitizer by the Self-Assembly of Dimethoxy Quinacridine for Photodynamic Therapy
45	PNB_45	Marta Gulbińska	Synthesis and chemistry of rotaxanes containing a 1,2,3,4-tetrazine unit.
46	PNB_46	Yuka Koseki	Exploration of oriented growth of metal-organic frameworks on a Cu-based mineral
47	PNB_47	Hiroto Ito	Preparation and Evaluation of Stable Amorphous Drug Complexes Using Two Different Types of Parent Cyclodextrins
48	PNB_48	Hiroki Itabashi	Organic Reaction of Supramolecular Monomers Regulated by Self-Assembled Higher-order Structures
49	PNB_49	Kazuki Shiga	Construction and Functionalization of Porous Organic Salts Composed of Disulfonic Acids with Quinone Cores and Bulky Amines
50	PNB_50	Chenyi Ma	Controlled Chiral Self-Sorting of Pillar[5]arenes
51	PNB_51	Tingjie Xu	Topologically Enhanced All-Protein Woven Networks with Multi-Stimuli Responsive Crosslinks

52	PNB_52	Ryuichi Kawai	Time-Evolving Helicoid-to-Nanotube Transition in Porphyrin-Based Supramolecular Polymers
53	PNB_53	Dalila Cafagno	Modulating the association constant in calix[6]arene-based host-guest complex through protonation processes
54	PNB_54	Yang Liu	Precision Synthesis of Novel Single-Crystalline Polymers Employing Topochemical Polymerization
55	PNB_55	Seina Okada	Linker-Dependent Gas Adsorption of Network Polymers Using Aminated Trinaphtho[3.3.3]propellane Node
56	PNB_56	Yudai Ono	Selective Molecular Adsorption and Separation Using Latent Porosity in Crystalline Compound of Tris(phenylisoxazolyl)benzene
57	PNB_57	Kensuke Suga	FLAP molecular systems with diverse functions
58	PNB_58	Katsuyuki Murai	Photoswitchable Two-dimensional Organization of Diarylethene Supramolecular Polymers.
59	PNB_59	Toru Yakeishi	Introduction of Supramolecular Chirality into Supramolecular Polymer Nanotube from Achiral Anthracene Dyad by Chiral Additive
60	PNB_60	Shotaroh Yoshii	Self-assembled Nanotubes of Scissor-Shaped Naphthothiadiazole Dyads Exhibiting Orange Emission
61	PNB_62	Maria-Carmen Temian	Allosteric Modulation, Signal Transduction and Sensing with a Catalysis-Driven Molecular Machine
62	PNB_63	Hajime Shigemitsu	Fluorescein-Based Type I Supramolecular Photosensitizer via Induction of Charge Separation through Self-Assembly
63	PNB_64	Rafael Rodriguez	Coaxial Helices in Chiral Supramolecular Aggregates from Highly Hindered Chiral Allenes
64	PNB_65	Kintaro Miyamoto	Double-Toroid Nanostructures through Hierarchical Supramolecular Polymerization
65	PNB_66	Jin-ze Lv	The Catalyzed Meinwald Rearrangement Employing Halogen Bond
66	PNB_67	Daiki Tagooka	Statistic Catenation of Nano-Toroids in an Evaporation-Induced Self-Assembly Process
67	PNB_68	Wenwen Luo	Self-assembly of Heteromeric Supramolecular Rosettes formed from Monomers with Different Alkyl Chain Lengths
68	PNB_69	Kouhei Sutou	Protection of Isocyanate Groups from Water by Host-guest Complexation with Hydrophobic Macrocyclic Host Molecules
69	PNB_70	Sameeksha Agrawal	Assemble-Disassemble-Reassemble Dynamics in Copper Nanocluster-Based Superstructures
70	PNB_71	Sayaka Michishita	Boron-Embedded π -Extended Azahelicene Showing Chiroptical Switching

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71	PNB_72	Naoki Takahashi	Organophosphines-Guided BC3 Construction for the Development of Boron-Containing Conjugated Polymers
72	PNB_74	Kornkanya Pratumyot	Enantioselective Fluorescence Quenching of Chiral Resorcin[4]arene
73	PNB_75	Yuto Aoyama	Stimuli-Responsive Luminescence of π-Conjugated Polymers Based on Pyridylenolate Boron Complexes
74	PNB_76	Xiao Ma	Organic vapor-induced microscopic behaviors in molecular crystals of [Re (CO)3Br(ppt)]
75	PNB_77	Takashi Hirose	Chiroptical Properties of Pyrene Dimers Covalently Linked to a Helical π-Conjugation Framework
76	PNB_78	Weiwei Shi	Porous Bio-Mass as the Efficient Solar Evaporators
77	PNB_79	Fumitaka Ishiwari	Development of Chiral Bifacial Materials and their Chirality-Induced Spin Selectivity
78	PNB_80	Nadege You	Self-assembly of high-order helices bearing stereogenic side chains
79	PNB_83	Edward Graham Smale	Tetrazine crown macrocycles