

Poster Sessions

17:00 – 18:30 , Monday, February 24

No.	Given Name	Family Name	Title
01	Hamza	Qayyum	Enhancement of Channel Betatron Radiation by Tailoring The Plasma Waveguide
02	Kuniaki	Koyasu	Development of An Ultrafast Quantum Simulator
03	Chih-Yuan	Huang	Quantum Dynamics of A Bose Gas in A 2D Optical Lattice
04	Bing-Ru	Tsai	Amplification of Slow Light by Four-Wave Mixing
05	Guan-Bo	Liao	Magnetic Feshbach Resonance in Ultracold Potassium Atoms
06	Ya-Fen	Hsiao	High-Efficiency-Quantum Memory Base on Cesium D ₁ Line
07	Hyun Sik	Yoo	Spatial Separation of Molecular Conformers and Clusters : Hydroquinone & Hydroquinone(H ₂ O) Complex
08	En-Ping	Lu	The Energetic and Spectroscopic Features of Ionized Water
09	Nizam	Uddin	Asymmetric Transport Dynamics of Hydronium and Hydroxide: Hydroxide Goes Brownian While Hydronium Hops
10	Vidya	Shivatare	Studies of Structural Isomers O-, M-, P-Fluorophenylacetylene by REMPI and MATI Spectroscopy
11	Hsiao-Han	Chuang	Theoretical Investigation of H ⁺ (MeOH) _n Vibrational Spectroscopy With/Without Argon Attachment, n=1~2
12	Manik	Ghosh	A Priori Prediction of Heats of Vaporization and Sublimation by EFP2
13	Yeon Joon	Kim	Efficient Basin-Hopping Sampling of Reaction Intermediates Through Fragmented Molecules
14	Shuming	Bai	A Mixed Quantum-Classical Method to Calculate The Absorption Spectra Involving Multiple Excited States
15	Li-Guang	Jiao	Similarities Between Doubly-Excited Two-Electron Atomic Systems and Tri-Atomic X-Y-X Molecules
16	Tzung-Heng	Tsai	Novel Ultra-Narrow Linewidth External Cavity Diode Lasers for Atomic Physics
17	Chien Hao	Lin	Entanglement in Atoms: An Example for Quantum Information in Quantum Chemistry
18	Julien	Fremont	Couplings of Electronic States to Model The Photodissociation of ClOOCl
19	Hyun Kook	Kim	Dynamics of Br(² P _j) Formation in The Photodissociation of Oxalyl Bromide Near 234 and 265nm by Ion-Imaging Technique
20	Wei-Lun	Ting	UV Absorption of The Criegee Intermediates CH ₂ OO and CH ₃ CHOO
21	Huilin	Pan	Effects of Reactant Rotational Excitation on Cl + CH ₄ / CHD ₃ Reactions

22	Gaolei	Hou	Solvation of NaCl in Water: Structures, Energetics, and CIP toSSIP Transitions
23	Kiryong	Hong	Ruthenium L ₃ -Edge Absorption Spectroscopy as A Probe of The Metal-To-Ligand Charge-Transfer Process in Solution Phase
24	Kai-Ti	Chu	[Fefe] Hydrogenase Active Site Modeling: A Key Intermediate Bearing A Thiolate Proton and Fe Hydride
25	Qifeng	Xing	Ethylene Polymerization by The Binuclear Late-Transition Metal Complex
26	Rory	Ma	Effects of Laser Wavelength and Power in The Production of Ni Nanoparticles by Pulsed Laser Ablation in Deionized Water
27	Belete	Beyene	Substituent Effect on Photophysical Behavior, Electrochemical Property and Hydrogen Evolution Activity of Symmetrical Cobalt Porphyrins Under Mild Conditions
28	Long	Qin	Compressed CO ₂ Regulated Supramolecular Assemblies of Amphiphilic L-Proline as Recyclable Organocatalyst for Asymmetric Aldol Reaction
29	Chandra Prakash	Epperla	Intercellular Transport of Fluorescent Nanodiamonds Through Tunneling Nanotubes
30	Rey	Capangpangan	Architected Core-Shell Au@MNP Nanoparticles for Targeted Disease Biomarker Detection and Single Nanoprobe Imaging
31	In Hwan	Lee	Controlled Antibody Conjugation Onto Au/Ag Core Shell Nanoparticles for Immuno-Labeling of Nanosilver Surface
32	Yi-Cheng	Liu	Nanonization of Melanin and Evaluation of The Antimicrobia Efficacy of Melanin Nanoparticles
33	Dinh Minh	Pham	Enrichment of Membrane Proteins from Cell Lysates with Diamond Nanoparticles
34	Atsushi	Mukaiyama	Conformational Transition of A Cyanobacterial Clock Protein Kaic Monitored with Fluorescence Spectroscopy
35	Ning	Zhang	Quantitative Analysis of Protein Adsorption on Porous Polymer Particles by Using Ion Trap Particle Mass Spectrometry
36	Chia-Yi	Fang	Advanced Nanodiamonds as A Versatile Probe for Biological Applications
37	Young Eun	Kim	Fabrication of Highly Discrete Protein Polygons from Cellular Self-Assemblies of Fluorescent Proteins
38	Yan-Kai	Tzeng	Fluorescent Nanodiamonds for Finding Stem Cells
39	I-Chung	Lu	Ion-To-Neutral Ratios and Thermal Proton Transfer Reactions in Matrix- Assisted Laser Desorption/Ionization
40	Naohiro	Nishikawa	Molecular Dynamics Simulations to Clarify The Pressure Dependence of Amyloid Fibrils
41	Jeong Min	Lee	Monomeric Avidin-Like Protein, Monoavidin, with A Picomolar Binding Affinity to Biotin
42	Yi-Fan	Huang	Semiconductor Nanowire–Plasmonic Nanoparticle Coupled

			Systems for Surface Enhanced Raman Scattering
43	Wei-Wen	Chen	Automated Quantitative Analysis of Lipid Accumulation and Hydrolysis in Living Macrophages by Coherent Anti-Stokes Raman Scattering Microscopy
44	Yoshiharu	Mori	Molecular Dynamics Study on The Pressure Dependence of A Helical Peptide
45	Yu-Bing	Lan	Reveal The High-Order Structure Formation of Conducting Polymer P3HT in Freezing Process
46	Hsu-Chen	Hsu	Does Decarboxylation Make 2,5-Dihydroxybenzoic Acid Special in Matrix-Assisted Laser Desorption/Ionization?
47	Chuping	Lee	Ion Intensity and Thermal Proton Transfer Reactions in Matrix-Assisted Laser Desorption/Ionization
48	Ying-Hsiu	Lin	Ultrahigh-Speed Observation of Lipid Molecules and Virus Particles Diffusing on Biological Membranes
49	Wen-Yu	Chiu	On The Origin of The Ubiquitous 730 cm^{-1} Peak on The Surface-Enhanced Raman Spectra of Gram Positive Bacteria

12:30 - 14:00, Tuesday, February 25

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No.	Given Name	Family Name	Title
50	Muhammad	Usman	Strontium-Based Metal–Organic Framework: A New Direction for Interlayer Dielectric in Microelectronics
51	Ning	Huang	Anthracene-Based Covalent Organic Frameworks and Layer Locking-and–Unlocking Driven by External Stimuli
52	Shuang	Xia	Geometrical Effect on Toughening Effects of Nanocomposites Based on Highly Dispersed Nanoplatelets and Nanospheres
53	Hong	Xu	Catalytic Covalent Organic Frameworks Via Pore Surface Engineering
54	Bingwei	Zhou	Mn-Catalyzed C-H Activation/Functionalization with Alkynes and Alkenes
55	Chin-Te	Hung	Comparison of Acidity Studies of Lanthanide Metal-Incorporated Fe-Based ZSM-5 Catalysts for Selective Catalytic Reduction (SCR) Of NO
56	Amol	Deshmukh	Functionalization of Organometallic Complex (TiC ₂ H ₂) On Tetrahedral Silsesquioxane [T ₄] For Hydrogen Storage
57	Arisa	Fukatsu	Influence of Photoirradiation on Electrochemical Behavior of Metal Complexes
58	Ming-Hui	Chiu	Band Structure of Mono-Layer MoS ₂ , MoSe ₂ , and Wse ₂ Architectures by Ultraviolet Photoelectron Spectroscopy and Photoluminescence
59	Yoshio	Nishiyama	Spatiotemporal Observation of Plasmon Dephasing in Gold Nanostructure
60	Sainbileg	Batjargal	Computational Raman Scattering Spectra of H-BN Monolayer
61	Shun	Hashiyada	Local Optical Activity of Metallic Nanostructures
62	Xiaopeng	Wang	Nano-Porous Phenolic Resin with Low Density and Heat Insulation Property
63	Indah	Primadona	Dihydrobenzoic Acid Functionalized Hgte Nanoparticle as A MALDI-TOF MS Matrix for Glycan Characterization
64	Deepak	Bashyal	Dye Sensitized Solar Cells Based on Multilayer Structure with TiO ₂ Nanoparticles
65	Shih-Yung	Chen	Graded Multicolor Photoluminescence from A Single Dendritic Zno Nanostructure Grown in Anodic Alumina Nanochannels
66	Xibing	Pan	Slipped π -Stacking Along The Short Molecular Axis for Highly Luminescent and Photoconductive Organic Nanoribbons
67	Hsiang-Ting	Lien	Surface-Induced Molecular Orientation Pentacene on Graphene for Diode Application
68	Pei Ling	Lee	Self-Assembly of Polyaniline on CVD-Graphene: A Scalable Production of Transparent Conducting Films with Enhanced Electrical Property

69	Taeyeong	Yun	Precise DNA Origami Nanopatterning on Chemically Modified Graphene Substrate
70	Patcharin	Kaewmati	Nitrogen-Doped Buckybowls: C3 Symmetric Triazasumanenes
71	Libin	Wang	Inkjet Printing 2D, 3D Microstructures with Controllable Morphology and Function
72	Jung Jae	Oh	Vertically Aligned ZnO Nanowires Grown on Transparent and Flexible Graphene Oxide Substrate for Field Emission
73	Chih-Ping	Yen	Growth of Strongly Textured FeCO ₃ Thin Films for Application in Research of Nuclear Quantum Optics with Ultrashort-Pulsed Deposition
74	Fu-Yu	Shih	Resist-Free Fabrication of High Performance Graphene Device by Patterned PMMA Thin-Film Technique
75	Yuki	Okabe	Synthesis of A Buckybowl Framework Having Partial Structure of C ₇₀ Through The Ring Expansion Reaction from Sumanene
76	Fabian Felix	Eberle	Fluorination of Sumanene in Arylic Positions
77	Tao	He	Phase Stability and Electron-Doping Related Properties in Potassium-Doped Graphene
78	Kyung Eun	Lee	Liquid Crystal Size-Selection and N-Doping of Large Size Graphene Oxides for High Performance Oxygen Reduction Catalysis
79	Setsiri	Haesuwannakij	Morphology Effect Overtakes The Size Effect In Catalytic Activity of Quasi-Homogeneous Nanogold Toward The Aerobic Oxidation
80	Xuanhe	Liu	On-Surface Synthesis of Single-Layered 2D Covalent Organic Frameworks Via Solid-Vapor Interface Reactions
81	Qifan	Liu	Acid-Catalyzed Heterogeneous Oxidation of Aliphatic Alcohols with Hydrogen Peroxide
82	Niti	Ngamsomprasert	Synthesis and Properties of Hydroxysumanene
83	Kun-Tong	Tsai	Individually Controlling Pore-Sizes of Anodic Alumina Nanochannels by Combination of Selective Channel Closing and Auto-Sequenced Chemical Etching
84	Fenjiao	Zhang	Precise Thickness Modulation of Organic Active Layer Via Spin-Coating: from Organic Thin-Film Transistors to Ultra-Thin-Film Transistors
85	Venkatesh	Tunuguntla	Non-Toxic Sol-Gel Spin Coating Approach for Low Cost, Earth-Abundant Photovoltaic Absorber: Cu ₂ ZnSnS ₄ , for Solar-Cell Efficiency 5% and Above
86	Chien-Chih	Tseng	Increasing Seebeck Coefficient by Absorbing S-Triazine on Graphene-Based Thermoelectric Device
87	Tianhao	Han	Janus Polymeric Particles