

P1	Poster Session 1	Jul. 6, 15:30-17:30
Catalyst		
P1-1	Satomi Shibata	Oxidative Cleavage Reaction of Alkenes with Molecular Oxygen Catalyzed by High-valent Iron-containing Perovskite Oxides
P1-2	Dian Deng	Development of Metallic Cobalt Catalysts for Reductive Amination at Low Temperature and Hydrogen Pressure
P1-3	Aoi Matsuda	Direct Synthesis of Formaldehyde from Methane by an Iron Phosphate Nanoparticle Catalyst
P1-4	Kiya Ogasawara	Water durable BaTiO ₃ -xNyHz supported Ni catalyst for ammonia decomposition
ElectroMagnet		
P1-5	Taiga Nagai	Field Emission from Topological Insulator BiSbTeSe ₂
P1-6	Tsuyoshi Tanda	Surface Transport Properties of Magnetically-Doped Three-Dimensional Topological Insulator Fe-BiSbTe ₂ Se
P1-7	Hiroshi Goto	Anomalous Magnetic Transport Properties of AgCrSe ₂ Single Crystals
P1-8	Masaru Kobayashi	Exploration of Various Topological Quantum Phases in Quasi One-Dimensional Bismuth Halides
P1-9	Shota Okazaki	Extremely Large Magnetoresistance and Quantum Oscillations in High Quality Single Crystals of the Weyl Semimetal WTe ₂
Materials design and Infomatics		
P1-10	Tomoya Gake	First-Principles Study of Point Defects in CuMO ₂ (M = Al, Ga, In)
P1-11	Naoki Tsunoda	Prediction of Interstitial Proton Positions in Metal Oxides
P1-12	Koomok Lee	Theoretical investigations of the origin of canted ferromagnetism in Co doped BiFeO ₃ multiferroic system
Semiconductors		
P1-13	Mari Hiramatsu	High electron conductivity and extremely low thermal conductivity of layered SnS semiconductor by geometrical Pb doping
P1-14	Ryusei Higuchi	Thermoelectric properties of non-equilibrium SnSe thin films stabilized by epitaxial strain
P1-15	Yasuo Azuma	Combination dependence of double-layered metal ribbon fabricated by lithography method
P1-16	Takayoshi Katase	3D-2D structural phase transition and giant electronic conductivity modulation in non-equilibrium hetero-structural alloy, (Pb _{1-x} Sn _x)Se
P1-17	Masatoshi Kimura	Strain-induced large power-factor enhancement by breaking thermoelectric trade-off relation in lanthanum nickel oxide
P1-18	Xinyi He	Electronic structures and electro-optical properties of layered oxychalcogenide semiconductor, AE ₂ CuInO ₃ Ch (AE: Alkaline earth, Ch: Chalcogen)
P1-19	Takayuki Gyakushi	Charge-Offset Stability of Fe Nanodot Device Embedded in an Insulating MgF ₂

P1-20	Keiji Tsubaki	Current-driven metal-insulator transition observed in epitaxial thin films of the Mott Semiconductor Ca ₂ RuO ₄
P1-21	Masashi Arita	Pristine characteristics of Ta-O resistive memories stacked with various scavenging electrodes
P1-22	Takumi Nose	Degenerate hole conduction and ultra-low lattice thermal conductivity of SnSe by nonequilibrium isovalent Te substitution
P2	Poster Session 2	Jul. 7, 15:30-17:30
Bio		
P2-1	Yuhan Liu	Interfacial Interaction between Phosphate-Based Polymers and Silver-Hydroxyapatite Microparticles
P2-2	Tomoki Ishie	Effects of hafnium phosphate compounds on cells in radiation therapy
P2-3	Junnosuke Nishimoto	Antibacterial nano-sized silver agent modified on titanate anomesh intermediated by chitosan
P2-4	Pengwen Chen	Enhancing Cancer Immunotherapy with Interleukin-12-Loaded Polymeric Micelles
P2-5	Wenqian Yang	Influence of PEG-Polycation Chain Flexibility on the Assembly of siRNA into Polyion Complexes
P2-6	Taehun Hong	Phosphorylcholine-installed polymers target pancreatic tumors through their exacerbated lipid metabolism
P2-7	Keita Masuda	Development of Gd ₂ O ₃ Nanoparticles for Image-Guided Neutron Capture Therapy
P2-8	Wibias Muliawan	Influence of Polymers on Dynamic Magnetization Behaviors of Iron-oxide Nanoparticles in Ferrogels
P2-9	Michihiko Uemura	Controlling Biodegradation Rate of Magnesium Alloys by Forming Protective Layers via Hydrothermal Treatment
P2-10	Shaomeng Yang	Optimized double-sensing-coil based complex magnetic susceptometer with frequency sweeping function
P2-11	Naoto Sakimura	Mechanical strength improvement of 3D printed alumina by slurry infiltration
P2-12	Ryota Taguchi	Mechanical properties of 3D printed alumina by slurry infiltration using metal ions
P2-13	Ryosuke Nitta	Novel Bending Sensor Based on Solution-Processed Cu ₂ O Film for Healthcare Monitoring Application
P2-14	Yutaka Fujita	Flexible Glucose Sensor Based on CuO Film Fabricated by Spin Mist Spray method
P2-15	Yuta Aida	Study on the Morphological Control of Silver Nanoparticles on the Surface of Hydroxyapatite Particles

Solid State Chemistry		
P2-16	Takeshi Kawai	Formation of new spontaneous superlattice thin film by dynamic aurora PLD and comparison of CO-sensing properties.
P2-17	Haruki Zayasu	Fabrication of Yttria-Stabilized Zirconia Thin Film on Through-Type Porous Silicon and Evaluation of Electrical Properties
P2-18	Yu Toriumi	Comprehensive Synthesis and Characterization of Binary Nitrides
P2-19	Takuya Ohmi	Structural Transition and Photophysical Properties of Mixed-Anion Layered Perovskite: (MA) ₂ Pb(SCN) ₂ I _{2-x} Br _x ($0 \leq x < 1.6$)
P2-20	Qiumin Liu	Structure change and Li-ion conductivity of layered anti-perovskite Li ₄ OBr _{2-x} I _x
P2-21	Shiori Kihara	Charge distribution change in perovskite Bi _{0.5} Pb _{0.5} MO ₃ (M=3d transition metal)
P2-22	Jinya Suzuki	Single crystal growth of perovskite oxyhydride under high pressure
P2-23	Akira Sugai	Observation on the oxidation reaction of Sr ₃ Fe ₂ O _{7-d} by time-resolved X-ray diffraction measurements
P2-24	Shota Nagasaka	Field Effects of Pd Doped CaAgP as a Nodal-Line semimetal
P2-25	Kenta Hashimoto	Suppression of anomalous thermal conductivity reduction by Zn substitution in Cu _{1-x} Zn _x Ir ₂ S ₄
P2-26	Hong Yan	La ₃ Ga ₃ Ge ₂ S ₃ O ₁₀ as a Possible Ultraviolet Nonlinear Optical Material
P2-27	Hiroaki Hayashi	Magnetic Properties of S = 21/2 Frustrated Ferromagnetic Trimer Gd ₃ O _s Al ₁₂