

Time	June 19	June 20		June 21		June 22		
		Room A (AICS 2F)	Room B (SASTec 3F)	Room A (AICS 2F)	Room B (SASTec 3F)	Room A (AICS 2F)	Room B (SASTec 3F)	
9:00		Opening Remarks						
		Plenary Talk 1		Plenary Talk 3		Plenary Talk 4		
		Shigeki Zaima		Gehan Amarthunga		Tsutomu Miyasaka		
		Meijo Univ.		University of Cambridge		Toin Univ. of Yokohama		
10:00		Coffee Break		A3-1 Daniel Chua		A5-1 Donghwan Kim		
		Plenary Talk 2		National University of Singapore		Korea Univ.		
		Takao Someya		Coffee Break		Coffee Break		
		The Univ. of Tokyo		A3-2 Kosuke Nagashio		A5-2 Yasuyoshi Kurokawa		
11:00		A0-1 I. Hagen Klauk		The Univ. of Tokyo		Nagoya Univ.		
		Max Plank Inst.		A3-3 Tomoki Machida		A5-3 Keisuke Ohdaira		
		Short Break	The Univ. of Tokyo	JAIST				
			A3-4 Atsushi Ando	A5-4 Md. Shahiduzzaman				
12:00		Poster Session 1 [Room P (SASTec 3F)] (with snack) 11:20-12:50	AIST			Poster Session 3 [Room P (SASTec 3F)] (with snack) 11:45-13:15		
		Short Break	Short Break					
	13:00		A1-1 Thomas D. Anthopoulos	B1-1 Nicolas Clement			A6-1 Kentaro Ito	B3-1 Hiroshi Funakubo
			King Abdullah Univ. of Sci. Tech.	LIMMS/CNRS-IIS			Shinshu Univ.	Tokyo Inst. of Tech.
14:00		A1-2 Hiromichi Ohta	B1-2 Masateru Taniguchi	Short Break	Short Break	A6-2 Hitoshi Tampo	B3-2 P. D. Lemenzo	
		Hokkaido Univ.	Osaka Univ.			AIST	NaMLab, GmNI	
		Short Break	B1-3 Keiji Sasaki			A6-3 Atsushi Masuda	B3-3 Tomoaki Karaki	
		A1-3 Guorong Li	Hokkaido Univ.			AIST	Toyama Prefectural Univ.	
15:00		Chinese Academy of Sciences	B1-4 Minghui Hong			A6-4 Hironori Nishihara		
		A1-4 Adbel Hadi Kassiba	National University of Singapore	Student Oral Session (SA1-9) 13:55-16:10	Student Oral Session (SB1-9) 13:40-16:10	Ryukoku Univ.		
		UMR-CNRS	Coffee Break			Award Ceremony 3 & Closing Remarks		
		A1-5 T. Makino	B2-1 Jun-ichi Nishida					
16:00		Univ. of Fukui	University of Hyogo					
		Coffee Break	B2-2 Hiroyoshi Naito					
		A2-1 Hiroshi Kawarada	Osaka Prefecture Univ.					
		Registration [AICS 1F]	Waseda University	Short Break				
17:00		A2-2 Katsumi Kaneko	B2-3 Hisao Ishii	Coffee Break				
		Shinshu Univ.	Chiba Univ.					
		A2-3 Subash Sharma	B2-4 Shyam S. Pandey	A4-1 Jin Jang				
		Nagoya Inst. of Tech.	Kyushu Inst. of Tech.	Kyung Hee University				
18:00		Award Ceremony I		A4-2 Fumihiko Hirose				
				Yamagata Univ.				
				A4-3 Seiji Akita				
		Welcome Reception [AICS 3F]		Osaka Prefecture Univ.				
19:00				Award Ceremony 2				
20:00		Banquet Saihokukan Hotel 18:30-20:30						

Plenary Talk : 45 min
Invited Talk : 30 min
Regular Oral Presentation : 20 min
Student Oral Presentation : 15 min
(Including discussion)
Poster Presentation: 90 min
Poster size
(A0: W84.1 cm x H118.88 cm and below)

Conference program number	Place	Presentation Date and Time	Name	Affiliation	Presentation Title
PL1	AICS2F	6/20, 9:00	Shigeaki Zaima	Nagoya University	Research and Development of GeSn and Related-Group-IV Semiconductors for Future Nanoelectronic Applications
PL2	AICS2F	6/20, 10:00	Takao Someya	The University of Tokyo	Stretchable Nanomesh Electronics for Wearables and in vitro Characterizations
PL3	AICS2F	6/21, 9:00	Gehan Amarthunga	University of Cambridge	Carbon Nanotubes and Si nanowires for photonics
PL4	AICS2F	6/22, 9:00	Tsutomu Miyasaka	Toin University of Yokohama	Current Progress and Next Challenge of Perovskite Photovoltaics towards Industrialization
A0-1	SASTec3F	6/20, 10:45	Hagen Klauk	Max Planck Institute for Solid State Research	Low-Voltage, High-Frequency Organic Thin-Film Transistors for Flexible Electronics
A1-1	AICS2F	6/20, 13:00	Thomas D. Anthopoulos	King Abdullah University of Science and Technology (KAUST)	Metal Oxide Transistors with Multi-layer Channel Architectures
A1-2	AICS2F	6/20, 13:30	Hiromichi Ohta	Research Institute for Electronic Science (RIES), Hokkaido University	Electron Transport Properties of Transparent Oxide Semiconductor, BaSnO ₃ -SrSnO ₃ : Epitaxial Films and Thin Film Transistors
A1-3	AICS2F	6/20, 14:10	Guorong Li	Shanghai Institute of Ceramics of the Chinese Academy of Sciences	Actuator Properties of PMN-PT Ferroelectric Relaxor Ceramics With Polar Nano Region Structure
A1-4	AICS2F	6/20, 14:40	Abdel Hadi Kassiba	Institute of Molecules and Materials of Le Mans – UMR-CNRS, France	Doping Effects on the Photoactivity of Nanostructured Titanate and Vanadate Oxides
A2-1	AICS2F	6/20, 15:50	Hiroshi Kwarada	Waseda University	High Frequency, High Power Diamond p-FETs Including Vertical Structures for High Voltage and High Speed Complementary Circuits
A2-2	AICS2F	6/20, 16:20	Katsumi Kaneko	Shinshu University	Novel Aspects and Materials in Nanostructured Carbon Electrodes
A3-1	AICS2F	6/21, 9:45	Daniel HC Chua	National University of Singapore	New Generation of Chalcogenide and Phosphide Materials for Clean Energy Applications
A3-2	AICS2F	6/21, 10:35	Kosuke Nagashio	The University of Tokyo	2D Layered Semiconductors
A3-3	AICS2F	6/21, 11:05	Tomoki Machida	The University of Tokyo	Quantum Transport and Robotic Fabrication of van der Waals Heterostructures of 2D Materials
A4-1	AICS2F	6/21, 16:30	Jin Jang	Kyung Hee University	Charge Generation Junctions for Highly Efficient Quantum-dot Light Emitting Diodes
A4-2	AICS2F	6/21, 17:00	Fumihiko Hirose	Yamagata University	Room Temperature Atomic Layer Deposition and its Application to Gas Barrier Coating
A4-3	AICS2F	6/21, 17:30	Seiji Akita	Osaka Prefecture University	Nano-electro-mechanical Resonators Toward Highly Sensitive Force Sensing
A5-1	AICS2F	6/22, 9:45	Donghwan Kim	Korea University	Perovskite/Silicon Tandem Solar Cells: Conformal Perovskite on Textured Silicon Surface
A5-2	AICS2F	6/22, 10:30	Yasuyoshi Kurokawa	Nagoya University	Silicon Nanostructures for Energy Harvesting Applications
A6-1	AICS2F	6/22, 13:20	Kentaro Ito	Shinshu University	Development of Cu ₂ SnZnS ₄ thin films for photovoltaic applications
A6-2	AICS2F	6/22, 13:50	Hitoshi Tampo	Research Center for Photovoltaics, National Institute of Advanced Industrial Science and Technology	CZTS-based Solar Cells and Effect of Alkali Metal Incorporation
B1-1	SASTec3F	6/20, 13:00	Nicolas Clement	LIMMS/CNRS-IIS & Institute of Industrial Science, The University of Tokyo	Quantum Transport and Chemistry for Smart Nanosensors
B1-2	SASTec3F	6/20, 13:30	Masateru Taniguchi	Osaka University	Single-molecule Quantum Sequencer for Healthy Life Expectancy
B1-3	SASTec3F	6/20, 14:00	Keiji Sasaki	Research Institute for Electronic Science (RIES), Hokkaido University	Selective Trapping and Transport of Nanoparticles using Optical Forces
B1-4	SASTec3F	6/20, 14:30	Minghui Hong	National University of Singapore	Microsphere Enhanced Laser Nano-patterning and Optical Nano-imaging
B2-1	SASTec3F	6/20, 15:20	Jun-ichi Nishida	University of Hyogo	Preparation and Photophysical Studies of Donor-acceptor-type Phthalimide Compounds Showing Triboluminescence
B2-2	SASTec3F	6/20, 15:50	Hiroyoshi Naito	Osaka Prefecture University	Revisiting Modulated Photocurrent Spectroscopy: Characterization of Transport Properties in Working Organic Photovoltaics
B2-3	SASTec3F	6/20, 16:30	Hisao Ishii	Chiba University	Operando- Photoelectron Yield Spectroscopy of Organic Field Effect Transistors to Investigate Negative Carrier States
B3-1	AICS2F	6/22, 13:20	Hiroshi Funakubo	Tokyo Institute of Technology	Property Control of Ferroelectric HfO ₂ Films
B3-2	AICS2F	6/22, 13:50	Uve Schroeder	NaMLab, GmbH	Unleashing Ferroelectricity in Hafnium and Zirconium Oxides for Next Generation Ferroelectric Devices

Conference program number	Place	Presentation Date and Time	Author Names (including co-authors)	Author's Affiliations (including co-authors)	Presentation Title
A1-5	AICS2F	6/20, 15:10	T. Makino, T. Asai, T. Takeuchi, K. Kaminaga, D. Oka, T. Fukumura	Univ. Fukui and Tohoku Univ.	Temperature Dependence of Dielectric Functions in Yb ₂ O ₃ and Lu ₂ O ₃ Thin Films
A2-3	AICS2F	6/20, 16:50	Subash Sharma, Golap Kalita, Masaki Tanemura	Nagoya Institute of Technology	In-situ TEM Synthesis and Nano-soldering of Carbon Nanotubes (CNT) for Interconnects Based Application
A3-4	AICS2F	6/21, 11:35	1 Atsushi Ando, 1, 2 Hidekazu Komaki, 1, 2 Masaki Ogura, 1, 2 Kosuke Sakaguchi, 2 Shin-ichi Yamamoto, and 1 Toshifumi Irisawa	1 National Institute of Advanced Industrial Science and Technology (AIST) and 2 Department of Electronics and Informatics, Faculty of Science and Technology, Ryukoku University	Synthesis of Large-scale Two-dimensional MoS ₂ Atomic Layers by Alkali-free Two-step Chemical Vapor Deposition
A5-3	AICS2F	6/22, 11:00	Keisuke Ohdaira ¹ , Keitaro Hamada ¹ , Daiki Kuwabara ² , Tetsuya Taima ² , Kohei Yamamoto ³ , and Tetsuhiko Miyadera ³	1 Japan Advanced Institute of Science Technology, 2 Kanazawa University, 3 National Institute of Advanced Industrial Science and Technology	Utilization of Amorphous Silicon Films for Carrier Transport Layers in MAPbI ₃ Solar Cells
A5-4	AICS2F	6/22, 11:20	Md. Shahiduzzaman, ^{1*} Makoto Karakawa, ^{1,2,3} Kazuaki Ninomiya, ³ Kohshin Takahashi, ² and Tetsuya Taima ^{1,2,3*}	1 Nanomaterials Research Institute (NanoMaRi), Kanazawa University, 2 Graduate School of Natural Science and Technology, Kanazawa University, 3 Institute for Frontier Science Initiative (InFiniti), Kanazawa University,	Control Growth of CH ₃ NH ₃ PbI ₃ Nanoparticle-based Planar Perovskite Solar Cells
A6-3	AICS2F	6/22, 14:20	Atsushi Masuda ¹ , Chizuko Yamamoto ¹ , Yukiko Hara ¹ , Sachiko Jonai ¹ , Yasushi Tachibana ² , Takeshi Toyoda ² , Toshiharu Minamikawa ² , Seira Yamaguchi ³ , Keisuke Ohdaira ³	1 National Institute of Advanced Industrial Science and Technology, 2 Industrial Research Institute of Ishikawa, 3 Japan Advanced Institute of Science and Technology	Influence of Hygrothermal Stress on Potential-Induced Degradation for Homojunction and Heterojunction Crystalline Si Photovoltaic Modules
A6-4	AICS2F	6/22, 14:40	Hironori Nishihara and Takahiro Wada	Department of Materials Chemistry, Ryukoku University	First-principles Study of (Cu, Li)GaS ₂ System
B2-4	SASTec3F	6/20, 17:00	Nikita Kumari ¹ , Shuichi Nagamatsu ² and Shyam S. Pandey ^{*1}	1 Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology, 2 Department of Computer Science and Electronics, Kyushu Institute of Technology	Molecular Orientation and 2D Positional Mapping: A Facile and Powerful Approach for Organic Electronic Devices
B3-3	SASTec3F	6/22, 14:20	Tomoaki Karaki, Xu Wang, and Ken'ichi Koyanagi	Toyama Prefectural University, Japan	BaTiO ₃ Piezoelectric Powder Blended Electrorheological Fluids
SA-1	AICS2F	6/21, 13:55	Mansoureh Keikhaei, Masaya Ichimura	Department of Electrical and Mechanical Engineering, Nagoya Institute of Technology	Fabrication of p-type Transparent CuZnO Thin Films by the Electrochemical Deposition Method
SA-3	AICS2F	6/21, 14:10	Mangal Das ¹ , Sanjay Kumar, Md. Arif Khan, Biswajit Mandal, Myo Than Htay and Shaibal Mukherjee	Hybrid Nanodevice Research Group (HNRG), Electrical Engineering, Indian Institute of Technology Indore; Hashimoto-Myo Laboratory, Department of Electrical and Computer Engineering, Shinshu University	Effect of Roughness on the Resistive Switching of Yttrium Oxide Based System
SA-4	AICS2F	6/21, 14:25	Nguyen Duy Hieu, Ngo Minh Chu, Yoshinori Tokoi, Thi-Mai-Dung Do, Tadachika Nakayama, Hisayuki Suematsu, and Koichi Niihara	Extreme Energy-Density Research Institute, Nagaoka University of Technology and Department of Electrical, Electronics Systems Engineering, National Institute of Technology	Preparation of Boron Nanoparticles Powder by Pulsed Wire Discharge of Compacted Powder
SA-5	AICS2F	6/21, 14:40	Paul Rossener Regonia, Christian Mark Pelicano, Ryosuke Tani, Atsushi Ishizumi, Hisao Yanagi and Kazushi Ikeda	Graduate School of Science and Technology, Nara Institute of Science and Technology	Predicting Optical Band Gap of ZnO Quantum Dots using Supervised Machine Learning
SA-6	AICS2F	6/21, 15:10	Ashenafi Abadi ¹ , Myo Than Htay ^{1, 2} , Yoshio Hashimoto ^{1, 2} , Kentaro Ito ¹ , Noritaka Momose ³	1 Faculty of Engineering, 2 ICST, Shinshu University, 3 NIT, Nagano coll.	Effect of Sb Doping in Pure Phase SnS Thin Films
SA-7	AICS2F	6/21, 15:25	Yuli Wen and Keisuke Ohdaira	Japan Advanced Institute of Science and Technology (JAIST)	Thickness Dependence of the Passivation Quality of Cat-CVD SiN _x Films
SA-8	AICS2F	6/21, 15:40	Tomoyasu Suzuki, Seira Yamaguchi, Kyotaro Nakamura, Atsushi Masuda, and Keisuke Ohdaira	Japan Advanced Institute of Science Technology, Toyota Technological Institute, National Institute of Advanced Industrial Science and Technology	Effect of a SiO ₂ film on the Potential-induced Degradation of n-type Front-emitter c-Si Photovoltaic Modules
SA-9	AICS2F	6/21, 15:55	T. Kurosaki, H. Suematsu, T. Kikuchi, G. Imada, T. Nakayama, K. Niihara, G. Thorogood	Nagaoka University of Technology, Niigata Institute of Technology, Australian Nuclear Science and Technology Organization	Development of a Cryostat for Color Center Introduction/detection in a Pulsed Intense Relativistic Electron Beam Accelerator
SB-1	SASTec3F	6/21, 13:40	Ke Xu, Ye Chen, Yuta Kurashina, Yoshitaka Kitamoto	Tokyo Institute of Technology	Synthesis of Iron-Oxide Nanoparticles/Thermoresponsive Polymer Composite Hydrogels with Controlled Porous Structure
SB-2	SASTec3F	6/21, 13:55	Ajendra Kumar Vats, Shuzi Hayase and Shyam S. Pandey	Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology	Implication of the Nature of Anchoring groups on Photophysical Behaviour of NIR Dyes for Dye-Sensitized Solar Cells
SB-3	SASTec3F	6/21, 14:10	Kanta Kobayashi ¹ , Shinnosuke Sone ¹ , Kazunari Shinbo ² , Masahiro Minagawa ^{1,2}	1 National Institute of Technology, Nagaoka College, 2 Institute of Science and Technology, Niigata University	Improvement of OFET Characteristics due to Oxidation Treatment of Silver Nano-ink Electrode Surfaces
SB-4	SASTec3F	6/21, 14:25	Patrawadee Yaiwong ^{1,2} , Chutiparn Lertvachirapaiboon ¹ , Kazunari Shinbo ¹ , Keizo Kato ¹ , Kontad Ounnunkad ² , and Akira Baba ¹	Patrawadee Yaiwong, Chutiparn Lertvachirapaiboon, Kazunari Shinbo, Keizo Kato, Kontad Ounnunkad, and Akira Baba	In-situ Investigation of Surface Plasmon Resonance Enhanced Fluorescence Properties of Gold Quantum Dots on Polyelectrolyte Multilayers
SB-5	SASTec3F	6/21, 14:40	Atsuro Ohyama, Naomi Oguma, Naoki Hirata, Musubu Ichikawa	1 Interdisciplinary Graduate School of Science and Technology, Shinshu University. 2 Dainichiseika Color & Chemicals Mfg. Co., Ltd.	A Solvent-free Transfer-printing Process for Organic Semiconducting Layers
SB-6	SASTec3F	6/21, 15:10	Nguyen Chi Trung Ngo ¹ , Wiff, Juan Paulo ² , Tsuneo Suzuki ¹ , Hisayuki Suematsu ¹ and Tadachika Nakayama ¹	1 Extreme Energy-Density Research Institute, Nagaoka University of Technology 2 Department of Science of Technology Innovation, Future Technology Research and Education Network, Nagaoka University of Technology	Development of (Ba,Ca)(Zr,Ti)O ₃ Lead Free Pyroelectric Materials
SB-7	SASTec3F	6/21, 15:25	Ritsuko Sato ^[1, 2] , Yasuo Chiba ^[2] , Masayuki Chikamatsu ^[3] , Yuji Yoshida ^[3] , Makoto Kasu ^[1, 2] , Tetsuya Taima ^[3, 4] and Atsushi Masuda ^[4, 5]	[1] Department of Electrical and Electronic Engineering, Saga University, [2] Research Center for Photovoltaics, National Institute of Advanced Industrial Science and Technology, [3] Research Center for Photovoltaics, National Institute of Advanced Industrial Science and Technology, [4] Nanomaterials Research Institute, Kanazawa University, [5] Research Center for Photovoltaics, National Institute of Advanced Industrial Science and Technology	Metastability of Power Generation Amount in Organic Photovoltaics Experienced by Different Temperature Conditions
SB-8	SASTec3F	6/21, 15:40	Haiwen Dai, Ashutosh Rath, Shu Hearn Yu, Stephen J. Pennycook, and Daniel H. C. Chua	National University of Singapore	Highly Conductive P-type Tuneable Reduced Molybdenum Oxides by Temperature-controlled Vapor Deposition
SB-9	SASTec3F	6/21, 15:55	Koichi Tanaka, Koki Hojo, Aditya Deshpande, Pedro Arias, Angel Aleman, Hicham Zaid, Michael E. Liao, Mark S. Goorsky, Suneel Kodambaka	Department of Materials Science and Engineering, University of California Los Angeles; Department of Mechanical and Aerospace Engineering, University of California Los Angeles; Department of Micro-Nano Mechanical Science and Engineering, Graduate School of Engineering, Nagoya University	Two Dimensional Hexagonal Boron Nitride Layer Promoted Heteroepitaxy in Sputter-deposited Transition Metal Disulfide and Carbide Thin Films

P1-1 (Poster)

Plasmonic Optical Phased Array Using Electro-Optic Polymer

Yuji Kuwamura, Kyosuke Hibata and Takafumi Ogawa

Kanazawa University Graduate School of Natural Science and Technology

P1-3 (Poster)

Separation of blue fluorescent pigments contained in *Fraxinus lanuginosa f. serrata* using reverse-phase column chromatography and investigation of luminescent properties

Tomoya Ohtsu, Yusuke Kinou, and Naoki Ohtani

Department of Electronics, Doshisha University

P1-4 (Poster)

Hole Transport Dithiophene-benzene Copolymer (DTB) for Electroluminescence Devices

Hiroaki Tachibana, Naoya Toda, Noriyuki Takada, Masayuki Chikamatsu, Reiko Azumi

AIST

P1-5 (Poster)

Luminescent Properties of Copper(I)-bromide Complex in a PMMA Film

Chika Nanzan, Yorimasa Takazawa, Tomomi Sakata

Department of Chemistry, Faculty of Science, Josai University

P1-6 (Poster)

Luminescent and scintillation properties of $(C_6H_5(CH_2)_2NH_3)_2(Ba,Pb)Br_4$ self-organized bi-dimensional quantum-well structures

Daisuke Nakauchi 1, Naoki Kawano 2, Noriaki Kawaguchi 1, Takayuki Yanagida 1

1. Nara Institute of Science and Technology, 2. Akita University

P1-7 (Poster)

Effect of Very Fine H_2O_2 Spray Alternated with Streamer Propagation from a Syringe Electrode on Gaseous Toluene Decomposition

Shinji Yudate, Ryosuke Tamada, Kanta Tamaru, Ryotaro Ozaki, Kazumori Kadowaki

Ehime university

P1-8 (Poster)

Study of isolation method of green fluorescent pigments contained in cherry tomatoes using column chromatography

Aoi Noma, Naoki Ohtani

Department of Electronics, Doshisha University

P1-9 (Poster)

Passive-Type Organic Temperature Sensor with Current-Voltage Conversion Modus

Takuto Matsumoto, Shigeki Naka, and Hiroyuki Okada

University of Toyama

P1-10 (Poster)

Optimizing the Wavelength of UVC-LED and the Water Flow Rate of Water Sterilizer for Flow Water Sterilization

Wei-Zhang Li, Chun-Liang Lin

Department of Electro-Optical Engineering and the Green Energy Technology Research Center, Kun-Shan University

P1-11 (Poster)

Zeolitic imidazolate metal organic framework with nanosized pores for electrochemical or photoelectrochemical process

Cheol Hyoun Ahn, Hyung Koun Cho

Sungkyunkwan University

P1-12 (Poster)

Fabrication of Donor-Acceptor Interfaces for Phase Transition Transistors

Yugo Okada 1, Daiki Yamamoto 2, Masatoshi Sakai 2, Hiroshi Yamauchi 3, Kazuhiro Kudo 2

1. Center for Frontier Science, Chiba University, 2. Graduate School of Engineering, Chiba University, 3. Department of Electronic Engineering, Tokyo Denki University

P1-13 (Poster)

Fabrication of organic-inorganic hybrid thin films by sol-gel process using metal-alkoxide

Ryota Kasuga, Naoki Ohtani

Department of Electronics, Doshisha University

P1-14 (Poster)

On/Off Ratio of Pentacene Field-Effect Transistor with Discontinuous MoO₃ Layer

Yusaku Higuchi 1, Kota Hoshina 1, Shunsuke Hasegawa 1, Masahiro Minagawa 2, Akira Baba 1, Kazunari Shinbo 1, Keizo Kato 1

1. Niigata University, 2. National Institute of Technology, Nagaoka College

P1-15 (Poster)

Self-formed nanocatalyst layers on alloy substrates and their characteristics of electrochemical glucose oxidation

Kiyofumi Yamagiwa, Daisuke Satou

Department of Natural and Environmental Science, Teikyo University of Science

P1-16 (Poster)

Graphene-coated carbon fiber woven fabric and glucose fuel gel air exposure type biofuel cell

Tatsuki Ogino, Kenta Kuroishi, Satomitsu Imai

College of Science and Technology, Nihon University

P1-17 (Poster)

Ultra-thin organic light emitting diodes with electron injection layer of zinc-oxide and polyethyleneimine ethoxylated stack

Takumu Koike, Masahiro Morimoto, Shigeki Naka, Hiroyuki Okada

Graduate School of Science & Engineering, University of Toyama

P1-18 (Poster)

Observation of cavity polariton in Fabry-Pérot microcavity made of metal mirrors containing with organic dye

K. Nishiyama, M. Suzuki, M. Kani, K. Uzumi, M. Funahashi, F. Shimokawa, N. Tsurumachi

Faculty of Engineering and Design, Kagawa University

P1-19 (Poster)

Regenerable Myoglobin Biosensor Based on Protein G' immobilized Interdigitated Electrodes

S. Fujishiro, H. Ohnuki, D. Tsuya, H. Wu, H. Endo

Tokyo University of Marine Science and Technology, National Institute for Materials Science

P1-20 (Poster)

Hybrid organic-inorganic thin films based on thiol-ene reaction

Akira Miyashiro, Yusuke Jitsui, Naoki Ohtani

Department of Electronics, Doshisha University

P1-22 (Poster)

Development of all printed, ultra-high-speed capacitive-type polyimide humidity sensors with CNT gas permeable electrode

Makoto Hatayama, Kosuke Takano, Eiji Itoh

Shinshu University

P1-23 (Poster)

Highly sensitive, fast room temperature acetone sensors based on low temperature processed reduced graphene oxide

Kosuke Takano 1, Hiroaki Sugiura 1, Eiji Itoh 1, Shun Goda, 2 Hironobu Ono 2

1. Department of Electrical and Computer Engineering, Faculty of Engineering, Shinshu University, 2. Nippon Shokubai Co.,Ltd.

P1-24 (Poster)

Quick deposition of TIPS pentacene/polystyrene blends deposited by thermal assisted meniscus coating onto the oxide-dielectrics for high-performance organic field effect transistors

Fumiya Aikawa, Toshiaki Kashiwagi, Eiji Itoh

Shinshu University

P1-25 (Poster)

Internal conversion rate in thermally activated delayed fluorescence emitters based on carbazol dicyanobenzene

Takashi Kobayashi 1,2, Daisuke Kawate 1, Akitsugu Niwa 1, Tomoya Ishii 1, Takashi Nagase 1,2, Kenichi Goushi 3,4, Chihaya Adachi 3,4, Hiroyoshi Naito 1,2

1. Department of Physics and Electronics, Osaka Prefecture University, 2. The Research Institute for Molecular Electronic Devices, Osaka Prefecture University, 3. Center for Organic Photonics and Electronics Research, Kyushu University, 4. Japan Science and Technology Agency, ERATO, Adachi Molecular Exciton Engineering Project.

P1-26 (Poster)

Preparation and Analysis of Precisely Patterned Organic Thin Film from Molten Organic Semiconductors

Anoush Kanamori, Atsuro Ohyama, Musubu Ichikawa, Naoki Hirata, Naomi Oguma
Shinshu University, Dainichiseika Color&Chemicals Mfg. CO., Ltd

P1-27 (Poster)

Combined Excitation Emission Spectroscopy on $\text{CH}_3\text{NH}_3\text{Pb}(\text{Cl},\text{I})_3$

T. Asai, T. Takeuchi, T. Yamade, T. Makino, S. Ito
Univ. Fukui, Univ. Hyogo

P1-28 (Poster)

Photoluminescence properties of emissive polymer MEH-PPV affected by antioxidant effect of natural beta-carotene extracted from spinach

Yuuki Magata, Shun Imada, Naoki Ohtani
Doshisha University

P1-29 (Poster)

The Effect of Dye Structure and Electrolyte on Electron Transfer at ZnO/dye/electrolyte Interfaces

Masato Abe, Dai Morikawa, Mutsumi Kimura, Shogo Mori
Division of Chemistry and Materials, Faculty of Textile Science and Technology, Shinshu University

P1-30 (Poster)

Study of charge transport mechanism of organic semiconductors based on crystallization properties

Seongjib Cho, Eunju Lim

Dankook University, Korea

P1-31 (Poster)

Ultrasonication aided iontophoresis using microneedles

Moonjeong Bok 1,2, Zhi-Jun Zhao 2, Jun-Ho Jeong 2, Eunju Lim 1

1. Department of Science Education/Creative Convergent Manufacturing Engineering, Dankook University, 2. Department of Nano Manufacturing Technology, Korea Institute of Machinery and Materials,

P1-32 (Poster)

Laser-induced orientation transformation of a conjugated polymer thin film with enhanced vertical charge transport

Sangmin Chae, Ahra Yi, Hyo Jung Kim

Pusan National University, Department of Organic Material Science and Engineering

P1-33 (Poster)

Fabrication of Thin Film Transistors of Ph-BTBT-10 by Rapid Expansion of Supercritical Solutions (RESS) Using CO₂

Yui SAKAMOTO 1, Takanori FUJITA 1, Yusuke SHIBA 1, Kazutoshi SHIMAMURA 2, Hirohisa UCHIDA 3

1. Graduate School of Natural Science and Technology, Division of Natural System, Kanazawa University, 2. Engineering and Technology Department, Kanazawa University, 3. Faculty of Frontier Engineering, Institute of Science and Engineering, Kanazawa University

P1-34 (Poster)

Fabrication of Polydimethylsiloxane-based Organic-inorganic Hybrid/Alumina Composite on Metal via Electrophoretic Codeposition

Yusuke AOKI

Mie University

P1-35 (Poster)

FDTD-Bloch simulator for the analysis of energy transfer between localized surface plasmon and molecule

Hisaki Oka, Shota Terada

Niigata University

P1-36 (Poster)

Synthesis of Monoclinic Beta Molybdenum Trioxide Nanoparticles from Molybdenum Wires by Pulse Wire Discharge

Ngo Minh Chu, Nguyen Duy Hieu, Thi Mai Dung Do, Tadachika Nakayama, Hisayuki Suematsu, Koichi Niihara

Extreme Energy-Density Research Institute, Nagaoka University of Technology,

P1-37 (Poster)

Novel magneto-plasmonic materials interplayed by magneto-optical effects and nanostructured Au

Kanta Itsubo, Haruki Yamane, Yukiko Yasukawa

Chiba Institute of Technology, Akita Industrial Technology Center

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An Analytic Solution of Plasmonic Superfocusing Modes in Metallic Conical Structure Based on Quasi-separation of Variables

Kazuyoshi Kurihara

University of Fukui

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Self-Assembly of Fluorescent Nanospheres on Nanostructured Azo Molecular Thin Films

Yasuo Ohdaira, Akira Baba, Kazunari Shinbo, Keizo Kato

Niigata University

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High Frequency Characteristic of SWCNT film

Takafumi Nishizawa, Radovan Kukobat, Katsumi Kaneko, Makoto Sonehara, Toshiro Sato

Shinshu University

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Synthesis and electronic transport property of hafnium diselenide

Takuma Ozawa, Yu Abe, Noriyuki Urakami, Yoshio Hashimoto

Shinshu University

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Millimeter-wave Electromagnetic Simulation for Conductive Paste Bonding using Single Fullerene Shaped Model

Kousuke Hishida¹, Nozomi Shimoishizaka², Makoto Sonehara¹, Toshiro Sato¹

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Epitaxial synthesis of transition metal dichalcogenides via selenization of deposited metal films

Ren Hachiya, Noriyuki Urakami, Yoshio Hashimoto

Shinshu University

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Optical and scintillation properties of Pr-dope $Y_2Si_2O_7$ single crystal

Prom Kantuptim, Masaki Akatsuka, Noriaki Kawaguchi, Takayuki Yanagida

Nara Institute of Science and Technology

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Growth of Langasite-Type $Ca_3Nb(Ga_{1-x}Al_x)_3Si_2O_{14}$ Single Crystals

Kiyoto Ito, Kousei Miyamoto, Tomoaki Karaki, Tadashi Fujii

Toyama Prefectural University

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Fabrication of Piezoelectric Ceramics with Three-Dimensional Shapes Using a Dispenser SystemMatsuda Shuto¹, Nakata Naoya¹, Tomoaki Karaki¹, Tadashi Fujii¹, Tatsunori Kakuda²,

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Nitrogen Doping of ZnO Films by NO Gas Decomposition on Heated Ir Wire Surface in a Catalytic Reaction-Assisted CVD

Ryuta Iba, Yuki Adachi, Abdul Manaf Hashim, Ariyuki Kato, Kanji Yasui

Nagaoka University of Technology, MJIT, Universiti Teknologi Malaysia

P2-5 (Poster)

Selective hetero-epitaxial growth of β - Ga_2O_3 thin films by using water lift-off methodS. Ito ¹, A. Matoba ², Y. Yonezawa ², S. Yamada ³, and T. Kawae ¹

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P2-6 (Poster)

Preparation of colloidal fluorescent quantum dot thin films by electrostatic spraying deposition

Ryo Yamada, DaeGwi Kim, and Naoki Ohtani

Department of Electronics, Doshisha University and Department of Applied Physics, Osaka City University

P2-7 (Poster)

Photoluminescence and Scintillation of TlBr Crystals at Low Temperatures

Masanori Koshimizu, Keitaro Hitomi, Mitsuhiro Nogami, Takayuki Yanagida, Yutaka Fujimoto, Keisuke Asai

1. Department of Applied Chemistry, Graduate School of Engineering, Tohoku University, 2. Department of Quantum Science and Energy Engineering, Graduate School of Engineering, Tohoku University, 3. Division of Materials Science, Nara Institute of Science and Technology

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Preparation of Cr-Si-N-O thin films on MgO(001) by pulsed laser deposition

Yusuke Iwasaki, Yusei Mizuno, Tadachika Nakayama, Hisayuki Suematsu and Tsuneo Suzuki
Nagaoka University of Technology

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Preparation of Cu₂O/ZnO Heterojunctions by Electrodeposition from Aqueous Solution

S. Shiimoto, D. Kiriya, T. Yoshimure, N. Fujimura, A. Ashida
Osaka Prefecture University

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Characterization of Thin-Film-Transistors Formed by Low Temperature Solution Process with Low-In-Ga IGZO

Hiroshi YAMAUCHI, Wataru KAKUTA, Yugo OKADA, Masatoshi SAKAI, Takashi TADOKORO, Kazuhiro KUDO

Department of Electronic Engineering Tokyo Denki University, Center for Frontier Science Chiba University, Graduate School of Engineering Chiba University

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Simulation of molecular intercalation in Sr₂CaCu₂O_y and Bi₂Sr₂CaCu₂O_y by MOPAC

K. Kawai 1, H. Suematsu 1, A. Fujimoto 2, T. M. D. Do 1, T. Nakayama 1, K. Niihara 1

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Growth of Crystalline Tungsten Disulfide Thin Films at 350 °C Using Metallorganic and Organic Liquid Precursors

Yukihiro Ikeda, Keiji Ueno

Saitama University

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Evaluation of Ni-Fe Alloy Magnetostrictive Film Characteristics for Magnetostrictive Torque Sensor

Kazuyuki Ishibashi 1, Makoto Sonehara 2, Takeyuki Kodaira 1, Takahiro Sasaki 1, Toshiro Sato 2

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P2-14 (Poster)

A Simple Analysis of Polarization Reversal of Ferroelectric Capacitor Demonstrating Negative-Capacitance-like Behavior

Eisuke Tokumitsu

Japan Advanced Institute of Science and Technology

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Hardness of chromium nitride thin films prepared with the addition of ytterbium

Takashi Sekine, Yusei Mizuno, Tadachika Nakayama, Hisayuki Suematsu, and Tsuneo Suzuki

Nagaoka University of Technology

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Synthesis and scintillation properties of Ce-doped CaZrO₃ crystals

Hiroyuki Fukushima, Daisuke Nakauchi, Noriaki Kawaguchi, Takayuki Yanagida

Nara Institute of Science and Technology

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Crystallization and Time-Temperature-Transformation Diagram of B₂O₃-BaO-TiO₂ Glasses

Tomoharu Hasegawa

National Institute of Technology (KOSEN), Fukui College

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Effects of Sodium Hydroxide on the Devitrification of Silica Glass

Naohiro Horii 1, Takashi Uno 1, Takeru Miyake 2, Nobu Kuzuu 2, Hideharu Horikoshi 3

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X-ray induced optical absorption in fused quartz

Kento Nanbo 1, Akihiro Haruki 1, Hiroki Tanaka 1, Nobu Kuzuu 1 And Hideharu Horikoshi 2

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P2-20 (Poster)

Scintillation properties of 30Rb₂O-30BaO-10Al₂O₃-30P₂O₅ glasses

Daiki Shiratori, Noriaki Kawaguchi, Takayuki Yanagida

Nara Institute of Science and Technology

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Scintillation and Dosimetric Properties of Sn-doped ZnO-P₂O₅-SiO₂ Glasses

Noriaki Kawaguchi, Takayuki Yanagida

Nara Institute of Science and Technology

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Electrical transport characteristics of rhenium dichalcogenide crystals for nanoelectronics

Fumiaki Doi 1, Noriyuki Urakami 1,2, and Yoshio Hashimoto 1,2

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Photo and thermal reduction of Eu ions in KSrPO₄ and KBaPO₄ matrices

Masaya Tsuta 1, Susumu Nakamura 2, Ariyuki Kato 1

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P2-24 (Poster)

Conductive-Probe AFM and Kelvin-Probe Force Microscopy Characterization of OH-terminated Diamond (111) Surfaces with Step-Terrace Structures through Water Vapor Annealing

Masatsugu Nagai 1, Ryo Yoshida 1, Tatsuki Yamada 1, Taira Tabakoya 1, Christoph E. Nebel 2,3, Satoshi Yamasaki 2,4, Toshiharu Makino 4, Tsubasa Matsumoto 1,2, Takao Inokuma 1, Norio Tokuda 1,2,4

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P2-25 (Poster)

Water diffusion in vitreous silica I - diffusion of H₂O molecules in OH-containing and OH-free silica

Yusuke Aoki 1, Yuya Sugiyama 1, Nobu Kuzuu 1, Naohiro Horii 2, Hideharu Horikoshi 3

1. University of Fukui, 2. Nat'l Inst. Tech. Fukui Coll., 3. Tosoh SGM Corp

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Water diffusion in vitreous silica II -improvement and evaluation of the analysis method-

Yuya Sugiyama 1, Yusuke Aoki 1, Nobu Kuzuu 1, Naohiro Horii 2, Hideharu Horikoshi 3,

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Surface planarization of diamond substrates using carbon solid solution into nickel

Kazuto Sakauchi

Taira Tabakoya, Masatsugu Nagai, Christoph E. Nebel, Tsubasa Matsumoto, Takao Inokuma, Norio Tokuda

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Electrical characteristics of Ni/B-doped diamond (111) contact after annealing

Yuto Nakamura

Graduate School of Natural Science and Technology, Kanazawa University

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Filament Temperature Dependence of Growth Rate for Diamond Film by Hot-Filament Chemical Vapor Deposition

Yue Takamori

Graduate School of Natural Science and Technology, Kanazawa University

P2-30 (Poster)

Self-Separated Freestanding Diamond Films Grown on Ni Substrates by Microwave Plasma Chemical Vapor Deposition with Bias Application

Seiya Suzuki 1, Masatsugu Nagai 1, Taira Tabakoya 1, Christoph E. Nebel 2,3, Tsubasa Matsumoto 1,3, Takao Inokuma 1, and Norio Tokuda 1,3

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Reduction of Interface State Density for Diamond MOS structures by Wet Annealing after Hydrogen Plasma Treatment

Ukyo Sakurai 1, Tsubasa Matsumoto 1, Masatsugu Nagai 1, Masahiko Ogura 2, Toshiharu Makino 2, Satoshi Yamasaki 1,2, Christoph. E. Nebel 1,3, Takao Inokuma 1, Norio Tokuda 1,2

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P2-32 (Poster)

Preparation of Ag_8SnS_6 thin films by a Evaporation method

Yoji Akaki 1, Issei Hazama 1, Tomohiro Uchimura 1, Kyohei Yoshinaga 1, Shigeyuki Nakamura 2, Hedeaki Araki 3, Satoru Seto 4, Toshiyuki Yamaguch 5

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Fundamental Study of Aircraft Lightning Detection Sensor System using Optical Probe Magnetic Field Sensor with Nanogranular Film

Makoto Sonehara 1, Kenta Shiota 1, Kenta Yamazaki 1, Koki Iwami 1, Yuta Fujishiro 1, Minamisawa Toshitaka 1, Toshiro Sato 1, Mitsunori Miyamoto 2, Toshiya Kubo 2, Kosuke Miyaji 1

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P2-34 (Poster)

Hall Mobility and Carrier Concentration of In(acac)₃ Precursor Derived Solution Processed In₂O₃ and ITO Thin Films

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P2-35 (Poster)

Tunable electronic properties in bismuthene and two dimensional SiC van der Waals heterobilayer

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P2-36 (Poster)

Synthesis and spectral characteristics of Europium-ion doped CeO₂ nanophosphors for red-light emission

Rajan Kumar Singha,b, Sudipta Soma, and Chung-Hsin Lu

Department of Chemical Engineering, National Taiwan University, Taipei, Taiwan, ROC

P2-37 (Poster)

The effect of Co addition to Si-Cr solvent on the surface morphology in top-seeded solution growth of SiC

S. Ehara, N. Tsuchimoto, K. Suzuki, T. Taishi

Faculty of Engineering, Shinshu University

P2-38 (Poster)

Liquid-phase-based polycrystalline SiC coating by sublimation of Si and C from C-dissolved Si solution

Y. Yokobayashi, N. Tsuchimoto, Y. Kagami, S. Yamamoto, K. Suzuki, T. Taishi

Faculty of Engineering, Shinshu University, Asuzac Inc.

P2-39 (Poster)

SOI Surface Atomically Flattening by Ar/H₂ Annealing for MISFET with High-k HfN Gate Insulator

Shun-ichiro Ohmi, Yusuke Horiuchi, Shin Ishimatsu, and Sohya Kudoh

Tokyo Institute of Technology

P2-40 (Poster)

Elaboration and Piezoelectric Properties of High-Density Ceramics of the System Li_{0.85}Ca_{0.15}Ta_{0.85}Zr_{0.15}O₃ - SiO₂

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Effects of purification on optical properties of Si nanocrystals synthesised from rice husks

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Fabrication of LiNbO₃ Ceramics with SiO₂ Using Two-Step Firing

Kai Takamiya 1, Hironori Yokoyama 1, Takumi Sawano 1, Keishi Takasu 2, Noriko Bamba 1,2, Brahim Elouadi 3

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P2-43 (Poster)

Improvement of resistance of solution-processed ZnO Film by controlling annealing condition

Takumi Nojiri, Naoki Ohtani

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P3-1 (Poster)

Fabrication and investigation of CuCl₁-XIX thin film by spin coating method

Yuhei Sato 1, Kunihiko Tanaka 2, Katsuhiko Moriya 1

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P3-2 (Poster)

Fabrication of Cu₂SnS₃ (CTS) by solution deposition method

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Application to characteristics investigation of Cu - Sn - S (CTS) by terahertz spectroscopy

Takuya Tomono 1, Amane Abe 1, Toshiki Hujita 2, Tetsuo Sasaki 3, Katsuhiko Moriya 1, Kunihiko Tanaka 2, Arata Yasuda1

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Electrical Damage Introduced into p-GaN Films by Ar Plasma Treatments

Yoshitaka Nakano, Akira Toyotome

Chubu University

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Electrical Characterization of Si-Doped β -Ga₂O₃ Homoepitaxial Films Grown by Halide Vapor Phase Epitaxy

Yoshitaka Nakano, Akira Toyotome

Chubu University

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Fabrication and Characterization of Micropillar-Type Multiferroic Composite Thin Films Produced by Non-aqueous Sol-gel Method Using a Ferroelectric Microrod Structure

Ryoga Ito, Masafumi Kobune, Masamitsu Yoshii, Yusuke Haruna, Tsubasa Migita, Taiki Obayashi, Takeyuki Kikuchi, Kensuke Kanda, Kazusuke Maenaka

University of Hyogo

P3-7 (Poster)

Fabrication and Characterization of Micropillar-Type Multiferroic Composite Thin Films Produced by Metal Organic Chemical Vapor Deposition Using a Ferroelectric Microplate Structure

Tsubasa Migita, Masafumi kobune, Ryoga Ito, Taiki Obayashi, Takeyuki Kikuchi, Hironori Fujisawa, Kensuke Kanda, Kazusuke Maenaka

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P3-8 (Poster)

Enhancement of Optical Emission from Quantum Dots by Photonic Crystal Cavities Fabricated on SOI Substrates

T. Matsutomi, S. Nakajima, T. Hayashi, K. Tanaka, K. Yasui

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Gas phase photocatalytic H₂ generation over α -Fe₂O₃ nanotube arrays/Cu₂O composite under visible light irradiation

Hikaru Masegi, Shivaji B. Sadale, Kei Noda

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Fabrication and evaluation of Ag₈SnS₆ photoelectrode by fine particle coating technique

Le Nguyen Gia Phuc, Kunihiko Tanaka

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Optical and scintillation properties of alkali metal doped Ga₂O₃ single crystals prepared by the floating zone method

Takayuki Yanagida, Noriaki Kawaguchi

Nara Institute of Science and technology

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Preparation of monoclinic Cu_2SnS_3 thin film by mist CVD method

Mao Kowata, Fumitaka Yosihisa, Kunihiko Tanaka

Nagaoka University of Technology

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Fabrication of $\text{Cu}_2\text{Sn}_{1-x}\text{Ge}_x\text{S}_3$ thin film by sol-gel sulfurization method

Kyouhei Yamamoto, Kunihiko Tanaka

Nagaoka University of Technology

P3-14 (Poster)

Effect of fine structure on $\text{CuBr}_{1-x}\text{I}_x$ / ZnO nanorod transparent pn junction

Ryota MORI, Naoto TEZUKA, Toshiki IMAMURA, Kunihiko TANAKA

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P3-15 (Poster)

Effect of annealing condition on perovskite thin film

Reiji Kudo 1, Hikaru Togashi 1, Kunihiko Tanaka 2, Katsuhiko Moriya 1

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P3-16 (Poster)

Characterization of $(\text{Na}_x\text{Cu}_{1-x})_y\text{SnS}_3$ by photoluminescence measurements

Takahiro Maeda, Hideaki Araki, Kunihiko Tanaka

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P3-17 (Poster)

Fabrication of ZnO/NiO transparent solar cells by electrochemical deposition

Miki Koyama, Masaya Ichimura

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Effects of Chlorine Concentration on Photoelectric Conversion Efficiency of Perovskite Solar Cells

T. Makino, A. Maeda, T. Asai, S. Ito

Univ. Fukui and Univ. Hyogo

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Modulation Spectroscopy on TiO₂ Thin Films Grown by Spray-Pyrolysis

E. Kobayashi 1, S. Shimmura 1, S. Ito 2, T. Makino 1

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Fabrication of nano-amorphous graphitic carbon nitride dispersion and preparation of thin films by electrostatic-spraying method

Takahiro Watanabe, Masaaki Hirai, Kenichi Takarabe, Naoki Ohtani

Doshisha University and Okayama University of Science

P3-21 (Poster)

Quantitative Analysis of Oxygen Thin-Film Samples using ¹⁶O(α,α)¹⁶O with an Electrostatic Accelerator

Daiki Kumamoto, Takashi Sekine, Yusei Mizuno, Akio Shida, Tsuneo Suzuki

Nagaoka University of Technology

P3-22 (Poster)

Electrolyzed-water treatment of Cu₂SnS₃ absorber thin films

Maya Minamikawa, Myo Than Htay, Noritaka Momose, Kentaro Ito, Yoshio Hashimoto

Shinshu University, National Institute of Technology, Nagano College

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Optimizing the Wavelength of UVC-LED and the Flow Rate for Water Sterilization

Wei-Zhang Li and Chun-Liang Lin

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Kun-Shan University

P3-24 (Poster)

Effects of Na₂S treatment and post-annealing of Cu₂ZnSnS₄-based thin-film solar cells

Noritaka Momose 1, Myo Than Htay 2, Naoki, Mikoshiba 1, Yoshio Hashimoto 2, Kentaro Ito 2

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P3-25 (Poster)

Cu₂(Sn,Si)S₃-based thin-film solar cells prepared by closed-tube sulfurization of Cu-Sn-Si co-sputtered films

Noritaka Momose 1, Myo Than Htay 2, Masaki Aida 1, Yu Watanabe 1, Yoshio Hashimoto 2, Kentaro Ito 2

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Optimization of Cu₂Sn_{1-x}Ge_xS₃ thin films fabricated by a feasible two-steps reaction process of metallic precursorsJin Koumura, Myo Than Htay, Noritaka Momose, Kentaro Ito, Yoshio Hashimoto
Shinshu University, Nagano College

P3-27 (Poster)

Photoelectric current in Fe-doped triglycine sulfate

Yuya OKUDA, Toshio KIKUTA

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P3-28 (Poster)

Effect of Ag/Sn ratio for Ag₈SnS₆ thin films

Yoji Akaki 1, Tomohiro Uchimura 1, Issei Hazama 1, Shigeyuki Nakamura 2, Hedeaki Araki 3, Satoru Seto 4, Toshiyuki Yamaguch 5

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Stability enhancement of Cu₂S by Ag incorporation

Tatsunori Isobe, Myo Than Htay, Kentaro Ito, Yoshio Hashimoto
Shinshu University

P3-30 (Poster)

Fabrication of Cu₂SnS₃ and (Cu,Ag)₂SnS₃ thin-film solar cells on alkali-free glass substrates

Hideaki Araki, Ryota Ohashi, Kanata Watanabe, Shogo Otsuka
National Institute of Technology, Nagaoka College

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Effect of temperature and light insolation on electrolyzed-water battery

Kazuma Yazawa, Myo Than Htay, Yoshio Hashimoto
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P3-32 (Poster)

Preparation and Electromagnetic Absorbing Properties of Ni-doped Iron Nanowires

Yuh-Jing Chiou, Ruey-Bin Yang, Pei-Jung Chang, Hong-Ming Lin, Chung-Kwei Lin
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P3-33 (Poster)

Solution-Processed Conductive Interconnecting Layer for Highly-Efficient and Long-Term Stable Monolithic Perovskite Tandem Solar Cells

Chih-Yu Chang
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P3-34 (Poster)

Investigation of Gold Quantum Dot/Plasmonic Systems for Improvement of Organic Solar Cells

Akira Baba 1, Sopit Phetsang 1,2, Supeera Nootchanat 1, Chutiparn Lertvachirapaiboon 1, Ryousuke Ishikawa 1, Kazunari Shinbo 1, Keizo Kato 1, Kontad Ounnunkad 2

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P3-35 (Poster)

Effect of Hybrid Au Nanospheres and Au Nanorods on Metallic Grating Surface on Organic Thin-film Solar Cells

Sopit Phetsang 1,2, Siriporn Anuthum 1,2, Apichat Pangdam 1, Pitchaya Mungkornasawakul 2,3, Chutiparn Lertvachirapaiboon 1, Ryousuke Ishikawa 1, Kazunari Shinbo 1, Keizo Kato 1, Kontad Ounnunkad 2,4, Akira Baba 1

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P3-36 (Poster)

Controlling Molecular Orientation by Substrate Effect for Highly Efficient Organic Photovoltaic Cells

Tomoki Hirayama 1, Md. Shahiduzzaman 2, Tatsuki Chikamatsu 3, Makoto Karakawa 2,3,4, Kohshin Takahashi 3, and Tetsuya Taima 1,2,3,4

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P3-37 (Poster)

Modified TiO₂ Interface for High-performance Perovskite Solar Cell

Congcong Zhang, Hiroyuki Okada
University of Toyama

P3-38 (Poster)

Fabrication of Organic Thin Film Photovoltaic Cells Using The Perylene Derivative by Wet Process

Naoki Hirohata, Hiroyasu Shimada, Yuki Nagaya, Yoshiyuki Seike, Tatsuo Mori

Aichi Institute of Technology

P3-39 (Poster)

Manipulating the crystal structure of a conjugated polymer for efficient sequentially processed organic solar cells

Ahra Yi, Sangmin Chae, Seungyeon Hong, Hyun Hwi Lee, Hyo Jung Kim

Pusan National University, Pohang Accelerator Laboratory

P3-40 (Poster)

Fabrication of Cu_2GeS_3 thin-films by co-evaporation and annealing for solar cells

Ayaka Kanai, Mutsumi Sugiyama, Hideaki Araki, Kuruto Toda, Ryota Ohashi, Kanata Watanabe, Shogo Otsuka

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