

No	abs. No.	Session Code	Topic	Code	Date	Time	Presenter	Affiliation	Country	Title	Poster Award Application
1	AF0007	S1	Dye- and Semicondu	S1-1	26th	15:00~15:15	Jong Hak Kim	Yonsei University	Korea	Structure Control of Organized Mesoporous TiO2 films Templated by Graft Copolymers	
2	AF0187	S1	Dye- and Semicondu	S1-2	26th	15:15~15:30	Gary Hodes	Weizmann Institute of Science	Israel	A Comparison of ZnO and TiO2 as Electron Conductors for Semiconductor-Sensitized Nanoporous Solar Cells	
3	AF0044	S1	Dye- and Semicondu	S1-3	26th	15:30~15:45	Jin Young Kim	National Renewable Energy Laboratory	U.S.A	Transparent TiO2 Nanotube-Based Dye-Sensitized Solar Cells	
4	AF0045	S1	Dye- and Semicondu	S1-4	26th	15:45~16:00	Shintaro Ueno	Keio University	Japan	Improvement in the Performance of Dye-Sensitized Solar Cells Using ZnO Electrodes with Various Structures by Niobium Oxide Coating	
5	AK0157	S1	Dye- and Semicondu	S1-5	26th	16:00~16:15	Hyunjun Yoo	Kookmin University	Korea	Precisely Dimension-controlled Titania Nanotubes for Efficient Dye-sensitized Solar Cells	
6	AF0134	S2	Photocatalysis and	S2-1	26th	15:00~15:15	Bunsho Ohtani	Hokkaido University	Japan	Principle and Design of Semiconductor Photocatalysts: What Are Titania Photocatalysts and How They Work?	
7	IF0013	S2	Photocatalysis and	S2-2	26th	15:15~15:30	Alexander Kokorin	Institute of Chemical Physics RAS	Russia	IN-SITU EPR STUDIES OF N-DOPED TiO2 PHOTOCATALYSTS	
8	AF0092	S2	Photocatalysis and	S2-3	26th	15:30~15:45	Alexei Emeline	Saint-Petersburg State University	Russia	Interconnection Between Surface Photochemical Reactions And Photostimulated Formation Of Defects In Wide Band Gap Metal Oxides	
9	AF0105	S2	Photocatalysis and	S2-4	26th	15:45~16:00	Akihito Imanishi	Osaka University	Japan	Competitive Photoinduced Oxidation Reactions On Well-defined Single Crystal(Rutile)TiO2 Surfaces Studied By PL Emission	
10	AF0135	S2	Photocatalysis and	S2-5	26th	16:00~16:15	Arshid Ali	University of Auckland	New Zealand	Effect of Zinc Oxide Nanostructured Thin Film Morphologies on the Photocatalytic Aqueous Organic Oxidation Reaction Mechanism at Different Ultra Violet	
11	AF0008	S3	Dye- and Semicondu	S3-1	26th	16:30~16:45	Tomokazu Umeyama	Kyoto University	Japan	Synthesis and Photovoltaic Properties of Porphyrin-Furan and -Thiophene Alternating Copolymers	
12	AF0208	S3	Dye- and Semicondu	S3-2	26th	16:45~17:00	Thomas Kolbusch	Coatema Coating Machinery GmbH	Germany	Production Technologies for Flexible OPV	
13	IF0010	S3	Dye- and Semicondu	S3-3	26th	17:00~17:15	Satoshi Uchida	The University of Tokyo	Japan	QUASI-SOLID DYE-SENSITIZED SOLAR CELLS WITH ULTRA FINE NANO-CLAY ELECTROLYTE	
14	AF0035	S3	Dye- and Semicondu	S3-4	26th	17:15~17:30	Neil Pschirer	BASF SE	Germany	Highly efficient Solid State Dye-Sensitized Solar Cells	
15	AF0158	S3	Dye- and Semicondu	S3-5	26th	17:30~17:45	Nancy Jiang	Dyesol Ltd	Australia	Influence of gel electrolytes and seal materials on DSC durability	
16	AF0070	S4	Photocatalysis and	S4-1	26th	16:30~16:45	Yaron Paz	Technion	Israel	BISMUTH- CONTAINING OXIDES FOR PHOTOCATALYSIS AND WATER SPLITTING	

17	AF0004	S4	Photocatalysis and	S4-2	26th	16:45~17:00	Huagui Yang	East China University of Science and Technology	China	ANATASE TiO2 WITH A LARGE PERCENTAGE OF {001} FACETS FOR ENVIRONMENT AND ENERGY APPLICATIONS	
18	AF0089	S4	Photocatalysis and	S4-3	26th	17:00~17:15	Takeshi Morikawa	Toyota Central R&D Labs., Inc.	Japan	Visible-Light-Induced Selective CO2 Reduction utilizing a Ru-Complex Electrocatalyst linked with a p-type N-doped Ta2O5 Semiconductor	
19	AF0172	S4	Photocatalysis and	S4-4	26th	17:15~17:30	Adriana Zaleska	Gdansk University of Technology	Poland	CO2 Photoreduction in the Presence of Modified TiO2	
20	AF0176	S4	Photocatalysis and	S4-5	26th	17:30~17:45	Qingping Wu	Delft University of Technology	Netherlands	Modified TiO2 Photocatalysts for NOx Remediation	
21	AF0247	S5	Dye- and Semiconductor	S5-1	27th	10:30~10:45	Brian C. O'regan	Imperial College London	United Kingdom	CHARACTERIZATION OF NEW DYES AND ELECTROLYTES FOR DYE-SENSITIZED SOLAR CELLS	
22	AF0192	S5	Dye- and Semiconductor	S5-2	27th	10:45~11:00	Jung-Ho Yun	The University of New South Wales	Australia	Well-Ordered TiO2 Nanotubes (TNT) for Dye-Sensitized Solar Cells (DSSCs)	
23	AF0142	S5	Dye- and Semiconductor	S5-3	27th	11:00~11:15	Feng Hao	Tsinghua University	China	Influence Of Iodine Concentration On The Photovoltaic Performance Of Dye-sensitized Solar Cell Containing Non-volatile Electrolyte	
24	AK0005	S5	Dye- and Semiconductor	S5-4	27th	11:15~11:30	Jongok Won	Sejong University	Korea	Role of Dendrimer Additives on the Performance of Dye-Sensitized Solar Cells	
25	AF0244	S5	Dye- and Semiconductor	S5-5	27th	11:30~11:45	Ivan Mora-Sero	Universitat Jaume I	Spain	Perspectives To Enhance The Performance Of Quantum Dot Sensitized Solar Cells Acting On The Limiting Factors Of These Cells	
26	AF0073	S6	Photocatalysis and	S6-1	27th	10:30~10:45	Peter Vesborg	Tecnical University of Denmark	Denmark	Photocatalytic Measurements In 'mu'-Reactors	
27	AF0196	S6	Photocatalysis and	S6-2	27th	10:45~11:00	Nicolas Alonso-Vante	University of Poitiers	France	PHOTOVOLTAGE FOLLOW-UP DURING PHOTOCATALYSIS ON N-DOPED AND UNDOPED TITANIA	
28	AF0094	S6	Photocatalysis and	S6-3	27th	11:00~11:15	Elena Selli	Universita degli Studi di Milano	Italy	Photoactivity of F-Doped Titanium Dioxide	
29	AF0020	S6	Photocatalysis and	S6-4	27th	11:15~11:30	Hiromi Yamashita	Osaka University	Japan	PHOTOFUNCTIONAL PROPERTIES OF STRUCTURED MACROPOROUS TITANIA THIN FILMS	
30	AF0034	S7	Dye- and Semiconductor	S7-1	27th	15:00~15:15	Halina Dunn	Uppsala University	Sweden	Probing the Free Electron Density in DSC by Conductivity Measurements.	
31	EM0002	S7	Dye- and Semiconductor	S7-2	27th	15:15~15:30	Piers Barnes	Imperial College London	United Kingdom	SIMULATION AND MEASUREMENT OF COMPLETE DYE SENSITISED SOLAR CELLS	
32	AF0018	S7	Dye- and Semiconductor	S7-3	27th	15:30~15:45	Hongxia Wang	University of Bath	United Kingdom	Investigation of Electron Diffusion and Back Reaction in Dye-Sensitized Solar Cells using Periodic and Steady-State Methods	
33	AF0041	S7	Dye- and Semiconductor	S7-4	27th	15:45~16:00	Gerko Oskam	CINVESTAV-IPN	Mexico	Numerical Simulation of the Performance of the Dye-Sensitized Solar Cell: Transport vs. Transfer-Limited Recombination	

34	AF0109	S7	Dye- and Semicondu	S7-5	27th	16:00~16:15	Motonari Adachi	Doshisha University	Japan	CONSIDERATION ON SOME PROBLEMS OF ANALYSIS BY ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY	
35	AF0012	S8	Photocatalysis and	S8-1	27th	15:00~15:15	Ho Kyong Shon	University of Technology Sydney	Australia	Photoreactive Titania Nanomaterials from Electrocoagulated Sludge of Wastewater using Sacrificial Titanium Electrodes	
36	AF0157	S8	Photocatalysis and	S8-2	27th	15:15~15:30	Kazuhiro Sayama	National Institute of Advanced Industrial Science and	Japan	Highly Active WO <sub>3</sub> Semiconductor Photocatalyst Loaded with Cu and Pd Cocatalyst for the Degradation of Various Organic Compounds	
37	AF0182	S8	Photocatalysis and	S8-3	27th	15:30~15:45	Alexander Vorontsov	Boreskov Institute of Catalysis	Russia	Photocatalytic destruction of acetone, diethyl sulfide and dimethyl methylphosphonate vapors over aerosols of metal oxides	
38	AF0199	S8	Photocatalysis and	S8-4	27th	15:45~16:00	Xiaoyun Li	Tsinghua University	China	An Efficient Photocatalyst In <sub>2</sub> O <sub>3</sub> for Decomposition of an Environmental Persistent Pollutant-Perfluorooctanoic Acid (PFOA)	
39	IK0028	S8	Photocatalysis and	S8-5	27th	16:00~16:15	Kwang-Ho Choo	Kyungpook National University	Korea	EFFECTS OF IONIC ENVIRONMENTS ON PHOTOCATALYSIS OF DISSOLVED ORGANIC MATTER IN WATER	
40	AF0112	S9	Dye- and Semicondu	S9-1	27th	16:30~16:45	Lin Hua HU	Institute of Plasma Physics	China	Influence of the Electron Concentration Distribution on the Transport and Recombination Process in Dye-Sensitized Solar Cells	
41	AF0040	S9	Dye- and Semicondu	S9-2	27th	16:45~17:00	Ryuzi Katoh	National Institute of Advanced Industrial Science and	Japan	Quantitative Evaluation of Electron Injection Efficiency in Dye-sensitized TiO <sub>2</sub> Films: Effect of Dye Aggregation	
42	AK0012	S9	Dye- and Semicondu	S9-3	27th	17:00~17:15	Sung-Yeon Jang	Korea Institute of Science and Technology	Korea	High efficiency dye-sensitized solar cells using hierarchically-structured TiO <sub>2</sub>	
43	AF0024	S9	Dye- and Semicondu	S9-4	27th	17:15~17:30	Eugenia Martinez-Ferrero	Institut Catala d'Investigacio Quimica (ICIQ)	Spain	Interfacial Charge Transfer Reactions in MgO-modified DSSC	
44	AK0078	S9	Dye- and Semicondu	S9-5	27th	17:30~17:45	Wan In Lee	Inha University	Korea	Nanoporous spherical TiO <sub>2</sub> for scattering layer in dye-sensitized solar cells	
45	AF0235	S10	Photocatalysis and	S10-1	27th	16:30~16:45	Michael K.H. Leung	The University of Hong Kong	Hong Kong	Fabrication of nanotube-array photocatalyst for solar photocatalytic applications	
46	AF0116	S10	Photocatalysis and	S10-2	27th	16:45~17:00	Tsukasa Torimoto	Nagoya University	Japan	PHOTOCATALYTIC ACTIVITY OF CdS NANOPARTICLES IMMOBILIZED ON Au-CORE / SiO <sub>2</sub> -SHELL PARTICLES	
47	AF0206	S10	Photocatalysis and	S10-3	27th	17:00~17:15	Huai Yong Zhu	Queensland University of Technology	Australia	SUPPORTED NANOPARTICLES OF GOLD AND SILVER AS PHOTOCATALYSTS UTILIZING THE FULL SOLAR SPECTRUM	
48	AK0137	S10	Photocatalysis and	S10-4	27th	17:15~17:30	Dong Ha Kim	Ewha Womans University	Korea	A Unique Library of Hybrid TiO <sub>2</sub> Nanostructures for Enhanced Photocatalytic Property via Block Copolymer Based Self-Assembly	
49	AF0186	S10	Photocatalysis and	S10-5	27th	17:30~17:45	Lianzhou Wang	The University of Queensland	Australia	Layered transition metal oxides as efficient visible light active photocatalysts for organic pollutant removal	
50	AF0137	S11	Dye- and Semicondu	S11-1	28th	10:30~10:45	Makoto Komatsu	The University of Tokyo	Japan	Dye-Sensitized Solar Cells Using Push-Pull Quinoidal Thiophene Dyes	

51	AF0077	S11	Dye- and Semicondu	S11-2	28th	10:45~11:00	Shogo Mori	Shinshu University	Japan	Molecular Design of Dyes to Control Charge Recombination in Dye-Sensitized Solar Cells	
52	AF0124	S11	Dye- and Semicondu	S11-3	28th	11:00~11:15	Jae-Joon Lee	Konkuk University	Korea	Investigation of the Role of Interhalogen Based Redox Couple in the Dye-sensitized Solar Cells (DSSCs)	
53	IK0017	S11	Dye- and Semicondu	S11-4	28th	11:15~11:30	Jinwoo Lee	Pohang University of Science and Technology	Korea	Ordered mesoporous materials for high performance dye-sensitized solar cells	
54	AF0159	S11	Dye- and Semicondu	S11-5	28th	11:30~11:45	Koichi Tamaki	The University of Tokyo	Japan	Dye-Sensitized Solar Cells Using Fused Porphyrin Dimers As Visible And NIR Sensitizer	
55	AF0005	S12	Photocatalysis and	S12-1	28th	10:30~10:45	Masahiro Miyauchi	National Institute of Advanced Industrial Science and	Japan	VISIBLE-LIGHT-INDUCED SUPER-HYDROPHILICITY ON NANOSTRUCTURED WO3 FILMS	
56	AF0219	S12	Photocatalysis and	S12-2	28th	10:45~11:00	Xintong Zhang	Northeast Normal University	China	NANOSHEET TiO2 FILMS ON TITANIUM SUBSTRATES FOR PHOTOCATALYTIC APPLICATIONS	
57	AF0214	S12	Photocatalysis and	S12-3	28th	11:00~11:15	Akimasa Nakamura	Central Japan Railway Company	Japan	Photo Direct Patterning of TiO2 Thin Film Consisted of Surface-modified Nanoparticles	
58	AF0225	S12	Photocatalysis and	S12-4	28th	11:15~11:30	Jason Scott	The University of New South Wales	Australia	An Integrated Photocatalytic Filtration Array for Indoor Air Quality Control	
59	AF0263	S12	Photocatalysis and	S12-5	28th	11:30~11:45	Hyeok Choi	University of Texas at Arlington	U.S.A	NANOSTRUCTURED TITANIUM OXIDE PHOTOCATALYTIC FILMS AND MEMBRANES: CONCEPT AND MATERIALS DEVELOPMENT	
60	AF0162	S13	Dye- and Semicondu	S13-1	29th	10:30~10:45	Qing Miao	Dalian University of Technology	China	A Highly Efficient Method For Fabricating Dye Sensitized Solar Cells	
61	AF0181	S13	Dye- and Semicondu	S13-2	29th	10:45~11:00	Seung Hwan Ko	Korea Advanced Institute of Science and Technology	Korea	Flexible dye-sensitized solar cell fabrication by TiO2 nanoparticle laser annealing	
62	AF0121	S13	Dye- and Semicondu	S13-3	29th	11:00~11:15	Tsutomu Miyasaka	Toin University of Yokohama	Japan	Plastic dye-sensitized photovoltaic cells with metal-free organic sensitizers	
63	AF0079	S13	Dye- and Semicondu	S13-4	29th	11:15~11:30	Shuzi Hayase	Kyushu Institute of Technology	Japan	TCO-less 3D-dye sensitized solar cells consisting of charge separation sheet-Direction to high efficiency cells consisting of tandem and hybrid structures	
64	AF0039	S13	Dye- and Semicondu	S13-5	29th	11:30~11:45	Jonathan Goldstein	3GSolar Ltd.	Israel	Large Area Glass-Based Dye Solar Cells	
65	AF0009	S14	Photosynthesis and	S14-1	29th	10:30~10:45	Licheng Sun	Royal Institute of Technology	Sweden	BIOINSPIRED MOLECULAR CATALYSTS FOR VISIBLE LIGHT DRIVEN WATER OXIDATION AND THE MECHANISM FOR O-O BOND FORMATION	
66	AF0028	S14	Photosynthesis and	S14-2	29th	10:45~11:00	Masayuki Yagi	Niigata University	Japan	An Artificial Model Of Photosynthetic PS II : Photoinduced Oxygene Evolution From Water By A Manganese Complex In A Layer Compound	
67	IF0003	S14	Photosynthesis and	S14-3	29th	11:00~11:15	Stenbjorn Styring	Uppsala University	Sweden	Molecular Science for Solar Fuels - Hydrogen form Solar Energy and Water	

68	AF0027	S14	Photosynthesis and	S14-4	29th	11:15~11:30	Hirosato Yamazaki	Niigata University	Japan	Highly Active and Tunable Catalysts for O <sub>2</sub> Evolution from Water Based on Mononuclear Ruthenium (II) Monoaquo Complexes	
69	AK0189	S14	Photosynthesis and	S14-5	29th	11:30~11:45	Tae Kyu Ahn	Sungkyunkwan University	Korea	in vitro light-harvesting antenna supercomplexes reveal plant photoprotection	
70	AF0033	S15	Solar Hydrogen	S15-1	29th	15:00~15:15	Alexander Vorontsov	Boreskov Institute of Catalysis	Russia	PHOTOCATALYTIC WATER SPLITTING WITH HYDROGEN EVOLUTION IN THE SHUTTLE CHARGE TRANSFER SYSTEM UNDER UV- AND VISIBLE LIGHT	
71	AF0093	S15	Solar Hydrogen	S15-2	29th	15:15~15:30	Elena Selli	Universita degli Studi di Milano	Italy	Hydrogen Production by Photocatalytic Steam Reforming of Methanol on Noble Metals Modified TiO <sub>2</sub>	
72	AF0155	S15	Solar Hydrogen	S15-3	29th	15:30~15:45	Gongxuan Lu	Lanzhou Institute of Chemical Physics, CAS	China	PHOTOCATALYTIC HYDROGEN GENERATION VIA PHOTOLENSITIZATION OF TiO <sub>2</sub> USING HPB	
73	AF0221	S15	Solar Hydrogen	S15-4	29th	15:45~16:00	Wey Yang Teoh	ARC Centre of Excellence for Functional	Australia	Photocatalytic H <sub>2</sub> Evolution: The Synergistic Range of Mixed Anatase/Rutile	
74	AF0252	S15	Solar Hydrogen	S15-5	29th	16:00~16:15	Wenhua Leng	Imperial College London	United Kingdom	ELECTRON DIFFUSION LENGTH IN MESOPOROUS NANOCRYSTALLINE TiO <sub>2</sub> PHOTOELECTRODES DURING WATER OXIDATION STUDIED BY DIFFERENT METHODS	
75	AF0023	S16	Photoelectrochemistry	S16-1	29th	15:00~15:15	Masashi Kajita	Niigata University	Japan	Visible-Light-Induced Oxygen Evolution and Recovery of a Depressed Photocatalytic Current of Nanoporous WO <sub>3</sub> Film	
76	AF0178	S16	Photoelectrochemistry	S16-2	29th	15:15~15:30	Charlene Ng	The University of New South Wales	Australia	Flower-like Tungsten Oxide Thin Film for Photoelectrochemical Water Splitting	
77	AF0091	S16	Photoelectrochemistry	S16-3	29th	15:30~15:45	Amanda Morris	Princeton University	U.S.A	Photo-organocatalytic Reduction of Carbon Dioxide to Form Carbon-Carbon Bonds	
78	AF0193	S16	Photoelectrochemistry	S16-4	29th	15:45~16:00	Kohei Uosaki	Hokkaido University	Japan	Photoelectrochemical Carbon Dioxide Reduction and Hydrogen Evolution at Si(111) Electrode Modified with Organic Molecular Layer and Noble Metal Complex	
79	AF0019	S17	Solar Hydrogen	S17-1	29th	16:30~16:45	Xuwen Wang	The University of Queensland	Australia	ZnO Based Heterostructure Photocatalysts for Photocatalytic Hydrogen Evolution from Water	
80	AF0239	S17	Solar Hydrogen	S17-2	29th	16:45~17:00	Masanobu Higashi	Hokkaido University	Japan	Tantalum oxynitride as a highly efficient photoanode for overall water splitting into H <sub>2</sub> and O <sub>2</sub> under visible light	
81	AF0217	S17	Solar Hydrogen	S17-3	29th	17:00~17:15	Bruce Parkinson	University of Wyoming	U.S.A	A ComA Combinatorial and Distributed Approach to Discovery of Semiconducting Oxides for Solar Water Splitting	
82	AF0242	S17	Solar Hydrogen	S17-4	29th	17:15~17:30	Ryu Abe	Hokkaido University	Japan	Robust Dye-sensitized Overall Water Splitting System with Two-step Photoexcitation of Organic Dyes and Metal Oxide Semiconductors	
83	IF0011	S17	Solar Hydrogen	S17-5	29th	17:30~17:45	Su Young Ryu	Oak Crest Institute of Science	U.S.A	Photocatalytic Activity of Reduced Ni-doped K <sub>1-x</sub> Ni <sub>x</sub> NbO <sub>3</sub>	
84	AF0205	S17	Solar Hydrogen	S17-6	29th	17:45~18:00	Aniruddh Mukherji	The University of Queensland	Australia	Preparation and photochemical properties of visible light active CsTaWO <sub>6-x</sub> N <sub>x</sub> photocatalyst	

85	AF0191	S18	Photoelectrochemistry	S18-1	29th	16:30~16:45	Sunao Yamada	Kyushu University	Japan	PLASMON-ASSISTED PHOTOELECTROCHEMICAL CELLS	
86	AF0032	S18	Photoelectrochemistry	S18-2	29th	16:45~17:00	Tomokazu Umeyama	Kyoto University	Japan	CARBON NANOTUBE-FULLERENE COMPOSITES FOR NOVEL PHOTOELECTROCHEMICAL DEVICES	
87	AK0015	S18	Photoelectrochemistry	S18-3	29th	17:00~17:15	Hyunwoong Park	Kyungpook National University	Korea	Synthesis of Metal-doped Iron Oxide Films for Photoelectrochemical Water Oxidation	
88	AF0048	S18	Photoelectrochemistry	S18-4	29th	17:15~17:30	Hironobu Hayashi	Kyoto University	Japan	Photoelectrochemical Properties of Dye-Modified Zinc Oxide Nanorod and Nanoparticle Electrodes	
89	AF0215	S18	Photoelectrochemistry	S18-5	29th	17:30~17:45	Damian Monllor-Satoca	University of Alicante	Spain	Photoelectrochemical Studies of the As(III)/As(V) System on Nanoporous Titanium Dioxide Electrodes	
90	AF0127	S19	Next Generation	S19-1	30th	08:30~08:45	Chhagan Lal	Harcourt Butler Technological Institute, Kannur	India	Photogalvanic cell as a Device for Solar Energy Conversion and Storage: Ethylene Diamine Tetra Acetic Acid-Brilliant Green-Collecting Blue System	
91	AF0107	S19	Next Generation	S19-2	30th	08:45~09:00	Hiroaki Misawa	Hokkaido University	Japan	Plasmon assisted photocurrent generation system from ultraviolet to near-infrared wavelength	
92	AK0111	S19	Next Generation	S19-3	30th	09:00~09:15	Ikjin Choi	Yonsei University	Korea	The Effect of Precursor Ratios on Structural and Electrical Properties of CuInSe <sub>2</sub> Thin Film by Spin-coating Method	
93	AF0218	S19	Next Generation	S19-4	30th	09:15~09:30	Bruce Parkinson	University of Wyoming	U.S.A	Dye Sensitization of Single Crystal TiO <sub>2</sub> Electrodes with Dyes, Quantum Dots and Conjugated Polymers	
94	AF0238	S19	Next Generation	S19-5	30th	09:30~09:45	Shigeru Ikeda	Osaka University	Japan	Electrochemical Methods for Fabrication of CIS Thin Film Solar Cells	
95	AK0175	S19	Next Generation	S19-6	30th	09:45~10:00	Kyung Joong Kim	Korea Research Institute of Standards and Science	Korea	Bimodal Distribution of B in Si Nanostructures and Its Application to p-type Si Quantum Dot Solar Cell	
96	AK0149	S19	Next Generation	S19-7	30th	10:00~10:15	Ah Reum Jeong	Ewha Womans University	Korea	Optical Properties of Photovoltaic Cu(In,Ga)Se <sub>2</sub> Thin-films	
97	AK0065	S20	Photoinduced Electron	S20-1	30th	08:30~08:45	Si-Woo Lee	TG Solar Corporation	Korea	A New Laser Patterning Technology for Low Cost Si-Based Thin Film Solar Cells	
98	AF0054	S20	Photoinduced Electron	S20-2	30th	08:45~09:00	Raphael Horvath	University of Otago	New Zealand	Ground- And Excited-State Studies On The Photophysics Of Oxadiazole and Triarylamine Substituents	
99	AK0091	S20	Photoinduced Electron	S20-3	30th	09:00~09:15	Jaewu Choi	Kyung Hee University	Korea	Photoconductivity of Carbon Nanotube Doped Water Soluble Conducting Polymers	
100	AF0125	S20	Photoinduced Electron	S20-4	30th	09:15~09:30	Gustavo De Miguel	Friedrich-Alexander University of Erlangen-Nuremberg	Germany	[2]CATENANES DECORATED WITH PORPHYRIN AND [60]FULLERENE GROUPS: DESIGN, CONVERGENT SYNTHESIS AND PHOTOINDUCED PROCESSES	
101	AF0150	S20	Photoinduced Electron	S20-5	30th	09:30~09:45	Dmitry Paraschuk	Lomonosov Moscow State University	Russia	Photoinduced Charge Generation In Ground-State Charge-Transfer Complexes Of Conjugated Polymers	

102	AF0220	S20	Photoinduced Electron	S20-6	30th	09:45~10:00	Lei Jiang	Chinese Academy of Sciences	China	Bio-inspired Energy Conversion Systems	
103	AF0022	S20	Photoinduced Electron	S20-7	30th	10:00~10:15	Ute Cappel	Uppsala University	Sweden	How Local Electric Fields Influence Photoinduced Absorption of Dye-Sensitized Solar Cells	
104	AF0246	S21	Dye- and Semicondu	S21-1	30th	10:35~10:50	Brian C. O'regan	Imperial College London	United Kingdom	CHARACTERIZATION OF INJECTION, REGNERATION, AND COLLECTION EFFICIENCIES IN WATER AND NON-AQUEOUS DYE SENSITIZED SOLAR CELLS	
105	AK0011	S21	Dye- and Semicondu	S21-2	30th	10:50~11:05	Hyo Joong Lee	Ulsan National Institute of Science and Technology	Korea	Efficient Quantum Dot-Sensitized Solar Cells Based On Mesoporous TiO2 Films	
106	AF0111	S21	Dye- and Semicondu	S21-3	30th	11:05~11:20	Taro Toyoda	The University of Electro-Communications	Japan	Semiconductor quantum dot-sensitized solar cells and photoexcited carrier dynamics	
107	AF0226	S21	Dye- and Semicondu	S21-4	30th	11:20~11:35	Qingbo Meng	Chinese Academy of Sciences	China	Dye-Sensitized Solar Cells: Optimization and Integration	
108	AK0106	S21	Dye- and Semicondu	S21-5	30th	11:35~11:50	Ga In Lee	Korea Advanced Institute of Science and Technology	Korea	Efficient Tuning of Voltage and Current of DSSC with CNT added Photo-electrode by Surface States	
109	AK0168	S21	Dye- and Semicondu	S21-6	30th	11:50~12:05	Ch. Kiran Kumar	Chungnam National University	Korea	SYNTHESIS OF TiO2/CdS CORE-SHELL NANOWIRES AND THEIR SOLAR CELL APPLICATIONS	
110	AF0144	S22	Photocatalysis and	S22-1	30th	10:35~10:50	Jinhua Ye	National Institute for Materials Science	Japan	A NOVEL DOPING-FREE STRATEGY FOR DEVELOPING VISIBLE LIGHT SENSITIVE PHOTOCATALYSTS	
111	IF0001	S22	Photocatalysis and	S22-2	30th	10:50~11:05	Debabrata Chatterjee	Central Mechanical Engineering Research Institute	India	Visible light induced photocatalytic degradation of organic pollutants using TiO2 photocatalyst	
112	IF0005	S22	Photocatalysis and	S22-3	30th	11:05~11:20	Huijun Zhao	Griffith University	Australia	PHOTOCATALYSIS FOR CLEAN ENVIRONMENT? Biohazards Removal and Remediation	
113	AF0224	S22	Photocatalysis and	S22-4	30th	11:20~11:35	Koji Takeuchi	National Institute of Advanced Industrial Science and	Japan	Light Source for Testing Visible-Light-Responsive Photocatalyst	
114	AF0080	S22	Photocatalysis and	S22-5	30th	11:35~11:50	Henning Gutzmann	Helmut Schmidt University	Germany	Influence of Anatase Content on the Photocatalytic Activity of Cold Gas Sprayed Titanium Dioxide Coatings	
115	AF0185	S22	Photocatalysis and	S22-6	30th	11:50~12:05	Vaishali Shinde	National Institute for Materials Science	Japan	Mesoporous ZnO Rods by Solution Method for Photocatalysis	
116	AF0059	P1	Dye- and Semicondu	P1-1	26th	18:00~19:00	Ravindra Gupta	Sogang University	Korea	Poly(ethylene oxide): Succinonitrile? A New Polymeric Matrix of Solid Electrolytes for Dye-sensitized Solar Cells	○
117	AF0167	P1	Dye- and Semicondu	P1-2	26th	18:00~19:00	Nikolay Tsvetkov	Korea Advanced Institute of Science and Technology	Korea	Improvement of Dye-Sensitized Solar Cells Performance by Doping of TiO2 Nanocrystalline Layers with Nb	○
118	AK0037	P1	Dye- and Semicondu	P1-3	26th	18:00~19:00	Kisuk Kang	Korea Advanced Institute of Science and Technology	Korea	Antireflection Behavior of Multi-Dimensional Nanostructures Patterned through Conformable Elastomeric Phase Mask in a Single Exposure Step	○

119	AF0013	P1	Dye- and Semicondu	P1-4	26th	18:00~19:00	James Jennings	National University of Singapore	Singapore	Reliable Steady-State Determination of Electron Diffusion Length and Studies of the Predominant Charge Recombination Mechanism in Dye Sensitized Solar Cells	O
120	AF0016	P1	Dye- and Semicondu	P1-5	26th	18:00~19:00	Andrew Nattestad	Monash University	Australia	Donor-Acceptor Dyes for Application on Photocathodes: Towards Highly Efficient Tandem Dye Sensitised Solar Cells	O
121	AF0017	P1	Dye- and Semicondu	P1-6	26th	18:00~19:00	Akihiro Furube	National Institute of Advanced Industrial Science and	Japan	FEMTOSECOND SPECTROSCOPY OF CHARGE SEPARATION IN A CdSe QUANTUM DOT SENSITIZED SOLAR CELL	O
122	AF0030	P1	Dye- and Semicondu	P1-7	26th	18:00~19:00	Yasumasa Ayuzawa	The University of Electro-Communications	Japan	Effects of Surface Modification on the Photovoltaic Properties and the Ultrafast Carrier Dynamics for CdSe QD Sensitized Solar Cells	X
123	AF0038	P1	Dye- and Semicondu	P1-8	26th	18:00~19:00	Michael Raj	National Institute of Technology, Tiruchirappalli	India	Synthesis of Low Band Gap Donor-Acceptor Conjugated Polymer for Photovoltaic Applications	O
124	AF0042	P1	Dye- and Semicondu	P1-9	26th	18:00~19:00	Gerko Oskam	CINVESTAV-IPN	Mexico	Nucleation and Growth of ZnO Nanoparticles	O
125	AF0050	P1	Dye- and Semicondu	P1-10	26th	18:00~19:00	Eva Barea	Universitat Jaume I	Spain	Identifying the main factors governing recombination in dye-sensitized solar cells with different dye families	X
126	AF0052	P1	Dye- and Semicondu	P1-11	26th	18:00~19:00	Nikté GÓMEZ ORTÍZ	CINVESTAV-IPN	Mexico	A Dye-Sensitized Brookite Solar Cell	O
127	AF0053	P1	Dye- and Semicondu	P1-12	26th	18:00~19:00	Daejin Choi	University of Wyoming	U.S.A	DYE SENSITIZATION OF HIGH SURFACE AREA GALLIUM PHOSPHIDE PHOTOELECTRODES	X
128	AF0055	P1	Dye- and Semicondu	P1-13	26th	18:00~19:00	Joon-Hyung Jin	KFnSC	Korea	ELECTROCHEMICAL FABRICATION AND CHARACTERIZATION OF A P-N JUNCTION OF PEDOT:PSS AND P3HT	O
129	AF0057	P1	Dye- and Semicondu	P1-14	26th	18:00~19:00	Dongchuan Fu	Monash University	Australia	DYE-SENSITIZED BACK CONTACT SOLAR CELLS	O
130	AF0061	P1	Dye- and Semicondu	P1-15	26th	18:00~19:00	Jung-Geun Park	Chonbuk National University	Korea	Application of Single-walled Carbon Nanotubes as Counter Electrode for Dye Sensitized Solar Cells	O
131	AF0064	P1	Dye- and Semicondu	P1-16	26th	18:00~19:00	Veerappan GANAPATHY	Pohang University of Science and Technology	Korea	Submicron Size Graphite As a Counter Electrode Electrocatalyst For Highly Efficient Dye Sensitized Solar Cells	O
132	AF0065	P1	Dye- and Semicondu	P1-17	26th	18:00~19:00	Kerttu Aitola	Aalto University	Finland	Extremely Thin Carbon Nanotube Counter Electrodes Replacing Pt and ITO in Plastic Dye Solar Cells	O
133	AF0076	P1	Dye- and Semicondu	P1-18	26th	18:00~19:00	Sandra Feldt	Uppsala University	Sweden	Characterization of Surface Passivation by Poly(methylsiloxane) for Dye-Sensitized Solar Cells employing the Ferrocene Redox Couple	O
134	AF0082	P1	Dye- and Semicondu	P1-19	26th	18:00~19:00	Karl Martin Karlsson	Royal Institute of Technology	Sweden	Design and Synthesis of Novel Organic Chromophores for Dye Sensitized Solar Cells; Chromophores Containing Two Anchoring Groups for Dye Sensitized Solar Cells	O
135	AF0085	P1	Dye- and Semicondu	P1-20	26th	18:00~19:00	Maria Quintana	Uppsala University	Sweden	ALTERNATIVE REDOX COUPLE FOR ZINC OXIDE DYE SENSITIZED SOLAR CELL	X

136	AF0086	P1	Dye- and Semicondu	P1-21	26th	18:00~19:00	Erik Gabriëlsson	Royal Institute of Technology	Sweden	An Efficient Dye for Coadsorbent Free Dye Sensitized Solar Cells ? Performance in Liquid, Solid State and Ionic Liquid Based Cells	X
137	AF0103	P1	Dye- and Semicondu	P1-22	26th	18:00~19:00	Tetsuya Sasamura	Nagoya University	Japan	PHOTOSENSITIZATION OF ZnO NANOROD ELECTRODE WITH ZnS-AgInS <sub>2</sub> SOLID SOLUTION NANOPARTICLES	O
138	AF0104	P1	Dye- and Semicondu	P1-23	26th	18:00~19:00	Kenji Sunahara	National Institute of Advanced Industrial Science and	Japan	Electron Injection in Efficient Zinc Porphyrin Dye Sensitized Solar Cells: Comparison with Free-base Porphyrin	O
139	AF0106	P1	Dye- and Semicondu	P1-24	26th	18:00~19:00	Jun Zhu	Institute of Plasma Physics	China	INVESTIGATION OF POLY(VINYLPYRIDINE-CO-METHYLMETHACRYLATE) IN POLYMER ELECTROLYTES FOR DYE-SENSITIZED SOLAR CELLS	X
140	AF0108	P1	Dye- and Semicondu	P1-25	26th	18:00~19:00	Songyuan Dai	Institute of Plasma Physics	China	Coadsorbent Modified TiO <sub>2</sub> Electrode and Its Application in Dye Sensitized Solar Cell	O
141	AF0126	P1	Dye- and Semicondu	P1-26	26th	18:00~19:00	Narayan Chandra Deb Nath	Konkuk University	Korea	Study of TiO <sub>2</sub> /CNT Interface in Dye-sensitized Solar Cells (DSSCs) with CNT Incorporated TiO <sub>2</sub> Photoelectrode	O
142	AF0128	P1	Dye- and Semicondu	P1-27	26th	18:00~19:00	Subrata Sarker	Konkuk University	Korea	Thermal Stability of Ruthenium-complexes in Dye-sensitized Solar Cells	O
143	AF0129	P1	Dye- and Semicondu	P1-28	26th	18:00~19:00	Nafiseh Sharifi	Sharif University of Technology	Iran	Enhanced Conversion Efficiency In Dye-sensitized Solar Cell By Using Titanium As A Reflecting Layer	O
144	AF0133	P1	Dye- and Semicondu	P1-29	26th	18:00~19:00	Qing Shen	The University of Electro-Communications	Japan	Photovoltaic Properties and Ultrafast Carrier Dynamics of CdSe/Au Quantum Dots Co-Sensitized Solar Cells	O
145	AF0136	P1	Dye- and Semicondu	P1-30	26th	18:00~19:00	Lin Li	The Royal Institute of Technology	Sweden	Stepwise Preparation Of NiO Photocathodes For P-type DSSCs	O
146	AF0138	P1	Dye- and Semicondu	P1-31	26th	18:00~19:00	Shogo Mori	Shinshu University	Japan	Charge Recombination in Dye-Sensitized Solar Cells: Influence of Dye Cation and Free Energy Difference	O
147	AF0139	P1	Dye- and Semicondu	P1-32	26th	18:00~19:00	Akari Yamada	The University of Electro-Communications	Japan	CdSe Quantum Dot-Sensitized Solar Cells Based on TiO <sub>2</sub> Nanotube Electrodes	X
148	AF0143	P1	Dye- and Semicondu	P1-33	26th	18:00~19:00	Hong Lin	Tsinghua University	China	A Novel Ionic Liquid Electrolyte Doped With Different Low-dimensional Nickel Oxide Nanomaterials For Dye-sensitized Solar Cell Application	O
149	AF0148	P1	Dye- and Semicondu	P1-34	26th	18:00~19:00	Tannia Marinado	Shinshu University	Japan	A Comparison of Experimental Techniques to Investigate Charge Recombination in Bulk Heterojunction (BHJ) Devices	O
150	AF0151	P1	Dye- and Semicondu	P1-35	26th	18:00~19:00	Eiji Hosono	National Institute of Advanced Industrial Science and	Japan	NANOSTRUCTURE CONTROL OF ZNO AND IN <sub>2</sub> O <sub>3</sub> FOR SOLAR CELLS	O
151	AF0154	P1	Dye- and Semicondu	P1-36	26th	18:00~19:00	Se-Mi Kim	Kunsan National University	Korea	ORGANIC SENSITIZERS WITH 9,9-DIALKYL-N,N-DIPHENYL-9H-FLUOREN-2-AMINE DONOR MOIETY FOR EFFICIENT DYE-SENSITIZED SOLAR CELLS	O
152	AF0165	P1	Dye- and Semicondu	P1-37	26th	18:00~19:00	Easwaramoorthi Ramasamy	Pohang University of Science and Technology	Korea	Titania nanosheet photoanodes for efficient dye-sensitized solar cells	O

153	AF0169	P1	Dye- and Semicondu	P1-38	26th	18:00~19:00	Idriss Bedja	King Saud University	Saudi Arabia	FeS2-Quantum-dot Coated Metal Oxide Photoelectrodes: Photoelectrochemistry and Photoinduced Absorption Spectroscopy	O
154	AF0171	P1	Dye- and Semicondu	P1-39	26th	18:00~19:00	Nuttapol Pootrakulchote	Ecole Polytechnique Federale de Lausanne	Switzerland	New Ruthenium Sensitizer with Carbazole Antennas for Efficient and Stable Thin-Film Dye-Sensitized Solar Cells	O
155	AF0177	P1	Dye- and Semicondu	P1-40	26th	18:00~19:00	Matthew J. Griffith	University of Wollongong	Australia	Remarkable Performance Enhancements Achieved Through Synergistic Effects in Mixed Porphyrin dye-Sensitized Solar Cells	O
156	AF0180	P1	Dye- and Semicondu	P1-41	26th	18:00~19:00	Ze Yu	Royal Institute of Technology	Sweden	Investigation of Iodine Concentration and Additive Effects in Electrolytes for Dye-Sensitized Solar Cells	O
157	AF0183	P1	Dye- and Semicondu	P1-42	26th	18:00~19:00	Leila Shooshtari	Sharif University of Technology	Iran	THE EFFECTS OF TiO2 NANOPARTICULATED HOLLOW FIBER IN ENHANCEMENT OF ELECTROPHORETICALLY DEPOSITED TiO2 FILM AS DSC'S PHOTO-ELECTRODE	O
158	AF0184	P1	Dye- and Semicondu	P1-43	26th	18:00~19:00	Yue long Li	Korea Institute of Science and Technology	Korea	Characteristics of Low-Temperature Processed Dye-Sensitized Solar Cell by Electrochemical Impedance and Photocurrent Photovoltage Transient Spectroscopy	O
159	AF0190	P1	Dye- and Semicondu	P1-44	26th	18:00~19:00	Shu-Feng Lee	MIRDC	Taiwan	MOLECULAR DYNAMICS SIMULATIONS OF METAL-INDUCED POLY-SILICON CRYSTALLIZATION	X
160	AF0194	P1	Dye- and Semicondu	P1-45	26th	18:00~19:00	Pitchaimuthu Sudhagar	Hanyang University	Korea	Performance of Sol-gel Derived TiO2 Blocking Layers in Dye-Sensitized Solar Cells: Influence of Precursor Concentration	O
161	AF0212	P1	Dye- and Semicondu	P1-46	26th	18:00~19:00	Huanwang Jing	Lanzhou University	China	Introducing Ruthenium into Porphyrin Dyes as Photosensitizers for Dye-Sensitized Solar Cells	O
162	AF0227	P1	Dye- and Semicondu	P1-47	26th	18:00~19:00	Qingbo Meng	Chinese Academy of Sciences	China	Application Of Carbon Electrodes On CdS Quantum-Dot Sensitized Solar Cells	O
163	AF0232	P1	Dye- and Semicondu	P1-48	26th	18:00~19:00	Ashrafal Islam	National Institute for Materials Science	Japan	Beta-Diketonato Ru(II) Complexes For Panchromatic Sensitization Of Nanocrystalline TiO2 Films	O
164	AF0240	P1	Dye- and Semicondu	P1-49	26th	18:00~19:00	Ryota Naganawa	Shinshu University	Japan	Dye-sensitized solar cells using Br-/Br3- redox couple in ionic liquid	O
165	AF0241	P1	Dye- and Semicondu	P1-50	26th	18:00~19:00	Satoshi Furuta	Shinshu University	Japan	Effect of TiO2 electrode preparation conditions on the efficiency of Dye-sensitized solar cells using P3HT as a hole transport material	O
166	AF0248	P1	Dye- and Semicondu	P1-51	26th	18:00~19:00	Brian C. O'regan	Imperial College London	United Kingdom	The Effect of High Water Content on Dye Sensitized Solar Cells	X
167	AK0008	P1	Dye- and Semicondu	P1-52	26th	18:00~19:00	Kang Deuk Seo	Korea University	Korea	Novel coumarin dyes having EODT moieties for dye-sensitized solar cells: synthesis and characterization	X
168	AK0169	P1	Dye- and Semicondu	P1-53	26th	18:00~19:00	Sang Yong Kim	Ajou University	Korea	Dye-Sensitized Solar Cells with Vertically Aligned Carbon Nanotube based Counter Electrode	O
169	AF0131	P1	Dye- and Semicondu	P1-54	26th	18:00~19:00	Sadia Ameen	Chonbuk National University	Korea	PLASMA ENHANCED POLYMERIZATION OF ANILINE ON TiO2 NANOPARTICULATE THIN FILM FOR DYE SENSITIZED SOLAR CELLS	O

170	IK0012	P1	Dye- and Semicondu	P1-55	26th	18:00~19:00	Dong Young Kim	Yeungnam University	Korea	Dye-sensitized solar cells (DSSC) assembled with P-25 TiO <sub>2</sub> /nanoporous carbon composite	X
171	IF0008	P1	Dye- and Semicondu	P1-56	26th	18:00~19:00	Supachai Ngamsinlapasathian	Kyoto University	Japan	Transparent Conducting Oxide-Free Dye-sensitized Solar Cells Based On Titanium Substrate	O
172	AF0075	P1	Dye- and Semicondu	P1-57	26th	18:00~19:00	Wei-Hui Chen	National Tsing Hua University	Taiwan	Ionic Liquid Diffusivity in the Titanium Dioxide Nano-Rod Array for Photo-Electrochemical Cells	O
173	AF0122	P1	Dye- and Semicondu	P1-58	26th	18:00~19:00	Yuuki Imoto	Kyushu Institute of Technology	Japan	SYNTHESIS OF ZINC OXIDE NANO-PILLAR BY MICROWAVE-ASSISTED PROCESS FOR ORGANIC PHOTOVOLTAIC CELL	O
174	AF0031	P1	Photocatalysis and	P1-59	26th	18:00~19:00	Alexander Vorontsov	Boreskov Institute of Catalysis	Russia	PHOTOCATALYTIC WATER PURIFICATION FROM ORGANOPHOSPHOROUS COMPOUND ON THE SUPPORTED SEMICONDUCTOR CATALYSTS	O
175	AF0083	P1	Photocatalysis and	P1-60	26th	18:00~19:00	Jan-Oliver Kliemann	Helmut Schmidt University	Germany	Highly Reactive Photocatalytic Titanium Dioxide Coatings Produced By Cold Gas Spraying	O
176	AF0207	P1	Photocatalysis and	P1-61	26th	18:00~19:00	Huai Yong Zhu	Queensland University of Technology	Australia	EFFICIENT NANOFIBRIL PHOTOCATALYSTS OF MIXED TiO <sub>2</sub> (B) AND ANATASE PHASES	O
177	AK0029	P1	Photocatalysis and	P1-62	26th	18:00~19:00	Sun-Ho Park	Kongju National University	Korea	Realization of Super-Hydrophilic Thin Film Using TiO <sub>2</sub> /Cr <sub>2</sub> O <sub>3</sub> /Cr Multi-layer Deposited by Reactive Sputtering	O
178	AF0097	P1	Photocatalysis and	P1-63	26th	18:00~19:00	Alexei V. EMELINE	Saint-Petersburg State University	Russia	The Decay Time Of Active Surface Centers And Recombination Photodesorption Decay Time Of Simple Molecules On Wide Band Gap Metal Oxides	O
179	AF0174	P1	Photocatalysis and	P1-64	26th	18:00~19:00	Anna Zielinska-Jurek	Gdansk University of Technology	Poland	PREPARATION OF VISIBLE LIGHT-ACTIVATED SILVER AND GOLD MODIFIED TITANIUM DIOXIDE NANOPARTICLES	O
180	AF0202	P1	Photocatalysis and	P1-65	26th	18:00~19:00	Yi-Ting Wu	National Taiwan University	Taiwan	USING IN-SITU ATR-FTIR SYSTEM ON CO <sub>2</sub> PHOTOREACTION	O
181	AF0222	P1	Photocatalysis and	P1-66	26th	18:00~19:00	Naoto Umezawa	National Institute for Materials Science	Japan	Effects of Loading Multivalent Oxides on Photocatalysts	O
182	AK0034	P1	Photocatalysis and	P1-67	26th	18:00~19:00	Se Im Kim	Kumoh National Institute of Technology	Korea	Water-splitting Performance of Nanotube composite(TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> , WO <sub>3</sub> ) arrays Doped with Non-metal ions	O
183	AK0186	P1	Photocatalysis and	P1-68	26th	18:00~19:00	Hyeong Jin Yun	Seoul National University	Korea	Preparation and Characterization of TiO <sub>2</sub> -xCx Nanoparticle for the High Performance Photo-Catalyst	O
184	AF0058	P1	Photocatalysis and	P1-69	26th	18:00~19:00	Naoya Murakami	Kyushu Institute of Technology	Japan	Size-controlled Decahedral Anatase Titanium(IV) Oxide Photocatalyst Prepared By Hydrothermal Treatment Of Peroxy Titanic Acid In The Presence Of Polyvinyl Alcohol	O
185	AF0113	P1	Photocatalysis and	P1-70	26th	18:00~19:00	Taro Toyoda	The University of Electro-Communications	Japan	Photocatalytic activity of nanostructured titanium dioxide films combined with fine particles of vanadate glass	O
186	AF0166	P1	Photocatalysis and	P1-71	26th	18:00~19:00	Marcin Janczarek	Gdansk University of Technology	Poland	Visible Light Activity of Copper Modified Titanium Dioxide	O

187	AF0156	P1	Next Generation	P1-72	26th	18:00~19:00	Vita Astini	Yeungnam University	Korea	XRD Investigation on Phase Formation of CIGS Alloyed Compound Synthesis by Direct Melting Method	O
188	AF0245	P1	Next Generation	P1-73	26th	18:00~19:00	Fariborz Jahanshah	Isfahan High Education and Research Institute	Iran	Simulation of Implantation Impact on Two-dimensional Texturing in Silicon Solar Cells	O
189	AK0018	P1	Next Generation	P1-74	26th	18:00~19:00	Min-Hee Choi	Konkuk University	Korea	Organic Photovoltaic Characterization of Carbazole - Benzothiadiazole Copolymers Using Alkyl Thiophene Unit as Spacer	O
190	AK0033	P1	Next Generation	P1-75	26th	18:00~19:00	Kyoung-Jin Jeong	Samsung Electro-Mechanics	Korea	INKJET PRINTED AG PATTERN FOR SOLAR CELL APPLICATION	O
191	AK0066	P1	Next Generation	P1-76	26th	18:00~19:00	Wilson K Chacko	Konkuk University	Korea	Sn-DOPED HIGH CONDUCTIVE CdS THIN FILMS FOR SOLAR CELL APPLICATION USING CHEMICAL BATH DEPOSITION	O
192	AK0079	P1	Next Generation	P1-77	26th	18:00~19:00	Hee Yeon Yang	Hanyang University	Korea	Charge transfer mechanisms of photovoltaic cells fabricated utilizing hybrid ZnO quantum dot/polymer nanocomposites	O
193	AK0081	P1	Next Generation	P1-78	26th	18:00~19:00	Jong Ho Han	Korea Institute of Industrial Technology	Korea	Optical Analysis for Designing a Planar Solar Concentrator Based on the Light Guide System	X
194	AK0082	P1	Next Generation	P1-79	26th	18:00~19:00	Seongtak Kim	Korea University	Korea	The Effects of Firing Conditions on the Screen-Printed Aluminum-Back Surface Field for Silicon Solar Cells	O
195	AK0089	P1	Next Generation	P1-80	26th	18:00~19:00	Hyunho Kim	Korea University	Korea	Effects of aluminum back surface field formation difference of morphology on silicon solar cells	O
196	AK0121	P1	Next Generation	P1-81	26th	18:00~19:00	Suyoung Choi	Korea University	Korea	Optimization of TCO Layer for Application in Silicon Heterojunction Solar Cell	X
197	AK0092	P1	Next Generation	P1-82	26th	18:00~19:00	Hyun Pil Boo	Korea University	Korea	Silicon oxidation using a modification of the two-step nitric acid oxidation method	O
198	AK0093	P1	Next Generation	P1-83	26th	18:00~19:00	Kyung Joong Kim	Korea Research Institute of Standards and Science	Korea	Conduction Mechanism of Silicon-Rich Silicon Nitride Photovoltaics	X
199	AK0115	P1	Next Generation	P1-84	26th	18:00~19:00	Taehee Kim	Korea Institute of Science and Technology	Korea	A Hybrid Tandem Cells Consisting of Amorphous Silicon Solar Cells and Polymer Solar Cells	O
200	AK0128	P1	Next Generation	P1-85	26th	18:00~19:00	Young Sik Song	Korea Institute of Industrial Technology	Korea	The crystal structures of CIGS thin films by sputter coating using single composite target	O
201	AK0165	P1	Next Generation	P1-86	26th	18:00~19:00	Jaedoo Lee	Sejong University	Korea	The investigation of method to formation Ni silicide for plated Ni/Cu/Ag contact solar cells.	X
202	AK0167	P1	Next Generation	P1-87	26th	18:00~19:00	Min Jeong Kim	Sejong University	Korea	Selective Emitter Structure for Ni/Cu Plating Metallization Crystalline Silicon solar Cells	O
203	IK0008	P1	Next Generation	P1-88	26th	18:00~19:00	Dong-Hyuk Choi	Korea Institute Construction Technology	Korea	Performance Evaluation of Blind Integrated PV Module with Double-pane Glass	O

204	IK0020	P1	Next Generation	P1-89	26th	18:00~19:00	Young Tae Kim	Korea Institute of Materials Science	Korea	The Characterization of P-type Metal Oxide as the Buffer layer	O
205	AK0188	P1	Next Generation	P1-90	26th	18:00~19:00	Kyoung Hyun Kim	Ajou University	Korea	Fabrication of Thin-Film GaAs Solar Cells using SU-8 Thick Photoresist	O
206	AK0191	P1	Next Generation	P1-91	26th	18:00~19:00	Hyuk Yong Kwon	Sejong University	Korea	Investigation of optical and electrical characterization of antireflective porous silicon coatings for solar cells.	X
207	EM0003	P1	Next Generation	P1-92	26th	18:00~19:00	Jin Hyoung Yoo	Sungkyunkwan University	Korea	Preparation and characterization of Indium selenide thin films by MOCVD	O
208	EM0004	P1	Next Generation	P1-93	26th	18:00~19:00	Seong Man Yu	Sungkyunkwan University	Korea	FORMATION OF CIS THIN FILM BY USING METAL-ORGANIC CHEMICAL VAPOR DEPOSTION	O
209	EM0005	P1	Next Generation	P1-94	26th	18:00~19:00	Huiyu Chen	Sungkyunkwan University	Korea	CONTROLLED SYNTHESIS AND CHARACTERIZATION OF COPPER INDIUM SELENIDE NANOCRYSTALS	O
210	EM0007	P1	Next Generation	P1-95	26th	18:00~19:00	Seong Gu Kang	Korea Research Institute of Chemical Technology	Korea	INKJET PRINTING PROCESS FOR SILICON SOLAR CELL METALLIZATION	O
211	AK0102	P1	Next Generation	P1-96	26th	18:00~19:00	Juyeon Chang	Sungkyunkwan University	Korea	SYNTHESIS OF BIMETALLIC COPPER/INDIUM NANOPARTICLES FOR PHOTOVOLATIC DEVICES	O
212	AK0084	P1	Next Generation	P1-97	26th	18:00~19:00	Wan Jong Woo	Sungkyunkwan University	Korea	ONE-STEP ELECTRODEPOSITION OF CuInSe <sub>2</sub> THIN FILM FOR SOLAR CELLS	O
213	AK0085	P1	Next Generation	P1-98	26th	18:00~19:00	Yeji Lee	Sungkyunkwan University	Korea	ZnS thin films by chemical solution deposition	O
214	AF0229	P2	Dye- and Semicondu	P2-1	27th	18:00~19:00	Lei Guo	Institute of Plasma Physics	China	Dye-Sensitized Solar Cells Based on Hydrophobic Cyclic Sulfonium Salts as Electrolyte	O
215	AF0230	P2	Dye- and Semicondu	P2-2	27th	18:00~19:00	Lin Hua Hu	Institute of Plasma Physics	China	Effect of Interfacial Properties and Film Thickness on Electron Transport and Collection in Dye-Sensitized Solar Cells	O
216	AF0249	P2	Dye- and Semicondu	P2-3	27th	18:00~19:00	Takeru Bessho	Swiss Federal Institute of Technology	Switzerland	HIGH PERFORMANCE PORPHYRIN DYE SENSITIZED SOLAR CELLS.	O
217	AF0254	P2	Dye- and Semicondu	P2-4	27th	18:00~19:00	Xiaoe Li	Imperial College London	United Kingdom	Optimization of Flexible Metal-Based Liquid Dye-Sensitised Solar Cell	O
218	AF0255	P2	Dye- and Semicondu	P2-5	27th	18:00~19:00	Piers R. F. Barnes	Imperial College London	United Kingdom	THE DEPENDENCE OF ELECTRON INJECTION ON CONDUCTION BAND POSITION FOR SnO <sub>2</sub> , WO <sub>3</sub> AND TiO <sub>2</sub> BASED DYE SENSITISED SOLAR CELLS TESTED WITH INFLUENCE OF ADSORPTION SOLVENT OF BLACK-DYE ON	X
219	AF0259	P2	Dye- and Semicondu	P2-6	27th	18:00~19:00	Megumi Awa	Tokyo University of Science	Japan	DYE-SENSITIZED SOLAR CELL PERFORMANCE	X
220	AF0262	P2	Dye- and Semicondu	P2-7	27th	18:00~19:00	Hui Huang	Nanyang Technological University	Singapore	Nanostructured electrodes for Dye-sensitized solar cells	O

221	AK0003	P2	Dye- and Semicondu	P2-8	27th	18:00~19:00	Sun Woo Park	Yonsei University	Korea	Doubly $\beta$ -functionalized meso-meso Directly Linked Porphyrin Dimer Sensitizers for Photovoltaics	O
222	AK0004	P2	Dye- and Semicondu	P2-9	27th	18:00~19:00	Semina Jeon	Korea Institute of Energy Research	Korea	High Performance Electrolytes Containing Alkyl Pyridinium Iodides for Dye Sensitized Solar Cell	X
223	AK0006	P2	Dye- and Semicondu	P2-10	27th	18:00~19:00	Hyun Jeong Lee	Hyundai Hysco	Korea	A study about the influences of catalyst and electrolyte area on photoelectrochemical properties for high performed DSSCs	X
224	AK0009	P2	Dye- and Semicondu	P2-11	27th	18:00~19:00	Horim Lee	Seoul National University	Korea	Room Temperature Fabrication of Flexible DSSCs Using Electro spray	X
225	AK0010	P2	Dye- and Semicondu	P2-12	27th	18:00~19:00	Daesub Hwang	Korea Institute of Science and Technology	Korea	High Efficiency Dye-Sensitized Solar Cells Using Hierarchically-structured TiO <sub>2</sub> Nanospheres by Electrostatic Spray	O
226	AK0017	P2	Dye- and Semicondu	P2-13	27th	18:00~19:00	Uejin Lee	Korea Institute of Industrial Technology	Korea	Inkjet Printed BHJ Film Morphologies for Efficient Organic Solar Cell	X
227	AK0019	P2	Dye- and Semicondu	P2-14	27th	18:00~19:00	Myung Jun Lee	Korea University	Korea	Synthesis and Characterization of Low-Band-Gap Chromophores Containing $\pi$ -Conjugated Triphenylamine-based Donor and Benzothiadiazole Acceptor through	X
228	AK0021	P2	Dye- and Semicondu	P2-15	27th	18:00~19:00	Dong-Hoon Song	Hanyang University	Korea	Influence of ionic liquids varying alkyl-chain-length on photovoltaic performance in dye-sensitized solar cells	X
229	AK0024	P2	Dye- and Semicondu	P2-16	27th	18:00~19:00	Jong-Hyung Kim	SolarSys Co., Ltd.	Korea	Molecular Design of Metal-free D- $\pi$ -A Substituted Sensitizers for Dye-sensitized Solar Cells	X
230	AK0030	P2	Dye- and Semicondu	P2-17	27th	18:00~19:00	Bongha Shin	Sejong University	Korea	Influence of dendrimer as co-adsorbent in DSSCs	O
231	AK0031	P2	Dye- and Semicondu	P2-18	27th	18:00~19:00	Jungsik Min	Sejong University	Korea	Cyclic nitroxyl free radical redox couple in DSSC	O
232	AK0032	P2	Dye- and Semicondu	P2-19	27th	18:00~19:00	Docki Kang	Sejong University	Korea	Quasi-Solid Electrolyte Dye Sensitized Solar Cell	X
233	AK0035	P2	Dye- and Semicondu	P2-20	27th	18:00~19:00	Young-Kuk Kim	Korea Institute of Materials Science	Korea	Synthesis and Defect Control of I-II-VI Chalcopyrite Nanocrystals	O
234	AK0036	P2	Dye- and Semicondu	P2-21	27th	18:00~19:00	Taehoon Kim	Seoul National University	Korea	Large Area Organic Solar Cells Using Hyper-networked Poly(3-hexylthiophene) Nanofiber Web	X
235	AK0038	P2	Dye- and Semicondu	P2-22	27th	18:00~19:00	Jung Min Kim	Pohang University of Science and Technology	Korea	Application Of Stainless Steel As Counter Electrode In Dye Sensitized Solar Cells	O
236	AK0045	P2	Dye- and Semicondu	P2-23	27th	18:00~19:00	Sungho Nam	Kyungpook National University	Korea	Influence of nano-pressing on the performance of polymer/polymer solar cells	X
237	AK0046	P2	Dye- and Semicondu	P2-24	27th	18:00~19:00	Sang Kyu Lee	Korea Research Institute of Chemical Technology	Korea	Synthesis and characterization of new silafluorene based copolymers for polymer solar cells	X

238	AK0048	P2	Dye- and Semicondu	P2-25	27th	18:00~19:00	Eui-Hyun Kong	Pohang University of Science and Technology	Korea	Submicrometer-Sized Mesoporous Anatase TiO <sub>2</sub> Spheres for CdS/CdSe Quantum-Dot-Sensitized Solar Cells	O
239	AK0049	P2	Dye- and Semicondu	P2-26	27th	18:00~19:00	Byung Gon Kum	Pohang University of Science and Technology	Korea	Recombination Blocking Layer by Silane Coupling Agents between TiO <sub>2</sub> and Electrolyte for Dye Sensitized Solar Cell	O
240	AK0051	P2	Dye- and Semicondu	P2-27	27th	18:00~19:00	Yoon Cheol Park	Pohang University of Science and Technology	Korea	Synthesis of Mesoporous TiO <sub>2</sub> Spheres with Different Diameters: Efficient Light Scatterers for Dye-Sensitized Solar Cells	O
241	AK0052	P2	Dye- and Semicondu	P2-28	27th	18:00~19:00	Min-Young Hwang	Kwangwoon University	Korea	Effect of surface texturing on the electro-optical characteristics of photo-transistors	X
242	AK0053	P2	Dye- and Semicondu	P2-29	27th	18:00~19:00	Jonghyun Kim	Yonsei University	Korea	Laser-Induced Interface Modification for High-Efficiency Dye-Sensitized TiO <sub>2</sub> Solar Cells	O
243	AK0055	P2	Dye- and Semicondu	P2-30	27th	18:00~19:00	Min Seok Kang	Kwangwoon University	Korea	Anti-Reflective Micro-Structures On 6H-SiC For Photovoltaic Cells	X
244	AK0056	P2	Dye- and Semicondu	P2-31	27th	18:00~19:00	Heejin Kim	Pohang University of Science and Technology	Korea	ZnO solid-state quantum dot sensitized solar cell using p-type CuSCN as a hole conductor	X
245	AK0059	P2	Dye- and Semicondu	P2-32	27th	18:00~19:00	Minsu Seol	Pohang University of Science and Technology	Korea	Zno Nanowire Based Highly Efficient Quantum Dot Sensitized Solar Cells	X
246	AK0060	P2	Dye- and Semicondu	P2-33	27th	18:00~19:00	Joo Hwan Koh	Yonsei University	Korea	Azide-induced crosslinking of electrolytes and its application in solid-state dye-sensitized solar cells	X
247	AK0061	P2	Dye- and Semicondu	P2-34	27th	18:00~19:00	Jong Kwan Koh	Yonsei University	Korea	Solid-state dye-sensitized solar cells employing one-pot synthesized supramolecular electrolytes with multiple hydrogen bonding	X
248	AK0062	P2	Dye- and Semicondu	P2-35	27th	18:00~19:00	Sunghoon Ann	Yonsei University	Korea	Structure control of organized mesoporous TiO <sub>2</sub> films templated by graft copolymers for dye-sensitized solar cells	X
249	AK0064	P2	Dye- and Semicondu	P2-36	27th	18:00~19:00	Soo Won Heo	Konkuk University	Korea	Study on the Fabrication of Flexible Polymer Solar Cells by Patternable Brush Painting Process	O
250	AK0067	P2	Dye- and Semicondu	P2-37	27th	18:00~19:00	Alagappan Annamalai	Konkuk University	Korea	IEP OF Zn <sub>2</sub> SnO <sub>4</sub> NANOPARTICLES AS WORKING ELECTRODE IN DYE SENSITIZED SOLAR CELLS	O
251	AK0069	P2	Dye- and Semicondu	P2-38	27th	18:00~19:00	Sang Ah Kim	Yeungnam University	Korea	Synthesis and Photovoltaic Performance of Long Wavelength Absorbing Organic Dyes for the Dye Sensitized Solar Cell	X
252	AK0070	P2	Dye- and Semicondu	P2-39	27th	18:00~19:00	Hyun Sik Yang	Yeungnam University	Korea	Highly Efficient and Stable Organic Photo-Sensitizers based on Triphenylamine with Multi-anchoring Chromophore for Dye-sensitized Solar Cells	X
253	AK0071	P2	Dye- and Semicondu	P2-40	27th	18:00~19:00	Jong Hun Cheon	Yeungnam University	Korea	Enhancement of Photovoltaic Performance of Fluorescence Materials added TiO <sub>2</sub> electrode in Dye-sensitized Solar Cells	X
254	AK0072	P2	Dye- and Semicondu	P2-41	27th	18:00~19:00	Jeong Gwan Lee	Yeungnam University	Korea	Photovoltaic Performance of Organic Photo-sensitizers on Low-temperature processed ZnO electrode in DSSC	X

255	AK0074	P2	Dye- and Semicondu	P2-42	27th	18:00~19:00	Myeong Seok Kim	Yeungnam University	Korea	Synthesis and Photovoltaic Properties of Dendritic Photosensitizers containing Carbazole and Phenothiazine for Dye-sensitized Solar Cells	X
256	AK0083	P2	Dye- and Semicondu	P2-43	27th	18:00~19:00	Yong Seok Kim	Gwangju Institute of Science and Technology	Korea	An efficient electron transport layer of antimony-doped tin oxide nanowires for inverted organic solar cells	O
257	AK0088	P2	Dye- and Semicondu	P2-44	27th	18:00~19:00	Myung-Jong Ju	Korea University	Korea	Novel polymeric gel electrolytes for highly efficient dye-sensitized solar cells	O
258	AK0090	P2	Dye- and Semicondu	P2-45	27th	18:00~19:00	Min-Joung Im	Pusan National University	Korea	Synthesis and Characterization of Carbazole Derivative for Dye-Sensitized Solar Cell	X
259	AK0094	P2	Dye- and Semicondu	P2-46	27th	18:00~19:00	Sun Ha Park	Seoul National University	Korea	TCO-Free PANI/CSA Counter Electrode for DSSC Devices	X
260	AK0095	P2	Dye- and Semicondu	P2-47	27th	18:00~19:00	Sung-Su Lim	Konkuk University	Korea	Gel polymer Electrolytes based on poly-Vinyl Methylimidazolium Iodide for Dye-sensitized Solar Cells	O
261	AK0098	P2	Dye- and Semicondu	P2-48	27th	18:00~19:00	Sehoon Han	Kookmin University	Korea	A New Light Scattering Layer Based Inverse Opal: Bi-Functional Highly Crystalline TiO <sub>2</sub> Nanostructure	O
262	AK0099	P2	Dye- and Semicondu	P2-49	27th	18:00~19:00	Seonju Jeong	Daegu Gyungbuk Institute of Science & Technology	Korea	Effects of a nematic liquid crystal as additive on power conversion efficiencies of polymer solar cells	X
263	AK0103	P2	Dye- and Semicondu	P2-50	27th	18:00~19:00	Junhee Kim	Korea University	Korea	Dye-Sensitized Solar Cells based on the Arrays of SiNW/MWCNT/ZnO Core/Multi-shell Nanocomposites	O
264	AK0105	P2	Dye- and Semicondu	P2-51	27th	18:00~19:00	Dong-Jin Yun	Pohang University of Science and Technology	Korea	EFFECT OF MWNT/PEDOT:PSS COMPOSITION ON CONDUCTIVE FILM PROPERTIES	X
265	AK0023	P2	Dye- and Semicondu	P2-52	27th	18:00~19:00	Kyung-Ho Chung	Konkuk University	Korea	Development of well aligned TiO <sub>2</sub> nanotubes (TNTs) to improve electron transport in Dye-Sensitized Solar Cells (DSSCs)	O
266	AF0084	P2	Dye- and Semicondu	P2-53	27th	18:00~19:00	Yuan Lin	Chinese Academy of Sciences	China	Dye-sensitized Solar Cells Based on Highly-ordered TiO <sub>2</sub> Nanotube Arrays	O
267	AF0090	P2	Dye- and Semicondu	P2-54	27th	18:00~19:00	Peng Qin	Royal Institute of Technology	Sweden	Molecular Engineering of Triphenylamine Based Chromophores for p-Type Dye-sensitized Solar Cells	X
268	AF0115	P2	Dye- and Semicondu	P2-55	27th	18:00~19:00	Susumu YOSHIKAWA	Kyoto University	Japan	Enhancement of Photovoltaic Performance of Hybrid Organic/Inorganic Solar Cells Based on TiO <sub>2</sub> Nanotube and ZnO Nanorod Arrays	O
269	AF0141	P2	Dye- and Semicondu	P2-56	27th	18:00~19:00	Kenji Yamada	Kitakyushu National College of Technology	Japan	DEVELOPMENT OF P-TYPE SEMICONDUCTOR ELECTRODE IN N/P TANDEM-TYPE DYE-SENSITIZED SOLAR CELL	X
270	AF0152	P2	Dye- and Semicondu	P2-57	27th	18:00~19:00	Jared Barnes	University of Wollongong	Australia	A TEMPO-Based Redox Mediator For Organic Photovoltaics	O
271	AF0179	P2	Dye- and Semicondu	P2-58	27th	18:00~19:00	Difei Zhou	Chinese Academy of Sciences	China	An Efficient Organic Photosensitizer Featuring Conjugated Ethylenedioxythiophene And Dithienosilole Blocks For Dye-Sensitized Solar Cells	O

272	AF0200	P2	Dye- and Semicondu	P2-59	27th	18:00~19:00	Taro Toyoda	The University of Electro-Communications	Japan	Optical absorption and photovoltaic properties of CdS/CdSe quantum dot-sensitized solar cells	O
273	AF0060	P2	Photocatalysis and	P2-60	27th	18:00~19:00	Hirofumi Saito	Kyushu Institute of Technology	Japan	A VISIBLE LIGHT RESPONSIVE BROOKITE TITANIUM(IV) OXIDE PHOTOCATALYST BY MODIFICATION OF IRON(III) IONS	X
274	AF0068	P2	Photocatalysis and	P2-61	27th	18:00~19:00	Yugo Miseki	National Institute of Advanced Industrial Science and Technology	Japan	Cs-Modified WO <sub>3</sub> Photocatalyst Showing Efficient Solar Energy Conversion for Fe <sup>3+</sup> Reduction and O <sub>2</sub> Evolution under Visible Light	O
275	AF0072	P2	Photocatalysis and	P2-62	27th	18:00~19:00	Ewa Kowalska	Friedrich-Alexander University of Erlangen-Nuremberg	Germany	Noble Metals Modified Titania Photocatalysts Active under Visible Light Irradiation	O
276	AF0096	P2	Photocatalysis and	P2-63	27th	18:00~19:00	Alexei Emeline	Saint-Petersburg State University	Russia	Links Of Photoinduced Surface Hydrophilicity To Chemical Action And Optical Reaction	X
277	AF0118	P2	Photocatalysis and	P2-64	27th	18:00~19:00	Toshihiro Takashima	The University of Tokyo	Japan	A Trinuclear Metal Oxide Assembly of Mn, Ce and W for Photo-Activation of Mn Oxide Nanocluster	O
278	AF0146	P2	Photocatalysis and	P2-65	27th	18:00~19:00	Etsushi Tsuji	Osaka University	Japan	Correlation between surface local structures and photo-generated species on TiO <sub>2</sub> in an aqueous solution studied by in situ FTIR absorption spectroscopy	O
279	AF0175	P2	Photocatalysis and	P2-66	27th	18:00~19:00	Ewelina Grabowska	Gdansk University of Technology	Poland	Synthesis And Characteristics Of TiO <sub>2</sub> Loaded With Metal Clusters	X
280	AF0201	P2	Photocatalysis and	P2-67	27th	18:00~19:00	Maria Vittoria Dozzi	Universita degli Studi di Milano	Italy	PHOTOCATALYTIC REDUCTION OF Cr(VI) IN TiO <sub>2</sub> WATER SUSPENSIONS: SYNERGISTIC EFFECT OF AN AZO DYE	X
281	AF0210	P2	Photocatalysis and	P2-68	27th	18:00~19:00	Hidehisa Hagiwara	Kyushu University	Japan	Dye Mixing Effects on Photocatalytic Water Splitting Activity on Dye-Modified KTaO <sub>3</sub> Catalyst	O
282	AF0213	P2	Photocatalysis and	P2-69	27th	18:00~19:00	Hyun Gil Cha	Sogang University	Korea	Hematite (α-Fe <sub>2</sub> O <sub>3</sub> ) Single Crystal Photocatalyst	O
283	AF0223	P2	Photocatalysis and	P2-70	27th	18:00~19:00	Masakiyo Nagatomo	Kyushu University	Japan	Photocatalytic Water Splitting On Metal Free Dye Modified KTaO <sub>3</sub>	O
284	AK0016	P2	Photocatalysis and	P2-71	27th	18:00~19:00	Hyunwoong Park	Kyungpook National University	Korea	PHOTOELECTROCHEMICAL OXIDATION OF ORGANIC POLLUTANTS WITH SIMULTANEOUS PRODUCTION OF MOLECULAR HYDROGEN VIA WATER SPLITTING- EFFECTS	O
285	AK0040	P2	Photocatalysis and	P2-72	27th	18:00~19:00	Yiseul Park	Pohang University of Science and Technology	Korea	Metal-Free Organic Dye for the Sensitization of TiO <sub>2</sub> Photocatalyst	O
286	AK0041	P2	Photocatalysis and	P2-73	27th	18:00~19:00	Jihee Park	Pohang University of Science and Technology	Korea	Dye-Sensitized Production of H <sub>2</sub> on Nafion-Coated TiO <sub>2</sub> : Role of Guanidinium	X
287	AK0050	P2	Photocatalysis and	P2-74	27th	18:00~19:00	Gonu Kim	Pohang University of Science and Technology	Korea	Photocatalytic Activity of Organic Electron Donor-Adsorbed TiO <sub>2</sub> under Visible Light	O
288	AK0057	P2	Photocatalysis and	P2-75	27th	18:00~19:00	Jungwon Kim	Pohang University of Science and Technology	Korea	Simultaneous Production of Hydrogen and Degradation of Pollutant on Surface-Engineered Titania Nanoparticle	O

289	AK0068	P2	Photocatalysis and	P2-76	27th	18:00~19:00	Se Im Kim	Kumoh National Institute of Technology	Korea	Photocatalytic water-splitting performance of Nano-composites(TiO2 NT/ WO3, BiVO4 NP)	O
290	AK0073	P2	Photocatalysis and	P2-77	27th	18:00~19:00	No-Kuk Park	Yeungnam University	Korea	Preparation Of Macro-Porous Titania Used As The Photo-Catalysts By A Matrix-Assisted Method	O
291	AK0075	P2	Photocatalysis and	P2-78	27th	18:00~19:00	Hyo Na Kim	Ewha Womans University	Korea	Novel Visible Light-Driven Photocatalysts Based on Cadmium Sulfide Quantum Dot-Tungsten Oxide Nanohybrids for Hydrogen Production	O
292	AK0077	P2	Photocatalysis and	P2-79	27th	18:00~19:00	Tae Woo Kim	Ewha Womans University	Korea	A Cadmium Sulfide Quantum Dots-Layered Titanium Oxide Nanosheets Hybrid-Composites and Its Application as Photocatalysts	O
293	AF0049	P2	Photocatalysis and	P2-80	27th	18:00~19:00	Antoni Morawski	West Pomeranian University of Technology	Poland	The influence of temperature on phenol decomposition in a presence of TiO2 photocatalysts	X
294	AF0153	P2	Photocatalysis and	P2-81	27th	18:00~19:00	Yutaka Amao	Oita University	Japan	PhotoBiological Methanol Synthesis from Carbon Dioxide Based on the Artificial Photosynthesis and Dehydrogenases	X
295	AF0056	P2	Photocatalysis and	P2-82	27th	18:00~19:00	Hiroaki Tada	Kinki University	Japan	Surface Modifier-Assisted Photodeposition of PbS Quantum Dots	O
296	AF0081	P2	Solar Hydrogen	P2-83	27th	18:00~19:00	Fatwa Abdi	Delft University of Technology	Netherlands	Photoelectrochemical Behavior Of Spray-deposited Thin Films BiVO4 At Different Light Intensities	O
297	AF0164	P2	Solar Hydrogen	P2-84	27th	18:00~19:00	Hiroshi Irie	University of Yamanashi	Japan	Photocatalytic Water-Splitting under Visible Light	X
298	AF0168	P2	Solar Hydrogen	P2-85	27th	18:00~19:00	Yuexiang Li	Nanchang University	China	Effect of ZnS Of ZnS-ZnIn2S4 Composite On Photocatalytic Hydrogen Generation Under Visible Light Irradiation	O
299	AF0260	P2	Solar Hydrogen	P2-86	27th	18:00~19:00	Mitsuru Kasama	Tokyo University of Science	Japan	SOLAR HYDROGEN PRODUCTION FROM WATER BY HEMATITE PHOTOELECTRODE CATALYST	X
300	AK0002	P2	Solar Hydrogen	P2-87	27th	18:00~19:00	Young Kwang Kim	Kyungpook National University	Korea	Roles of Multi-Walled Carbon Nanotube in Photocatalytic Hydrogen Production from Water under Visible Light	X
301	AK0039	P2	Solar Hydrogen	P2-88	27th	18:00~19:00	Wooyul Kim	Pohang University of Science and Technology	Korea	Visible Light-Sensitized Production of Hydrogen with Tin-Porphyrin and TiO2	O
302	AK0100	P2	Solar Hydrogen	P2-89	27th	18:00~19:00	Sun Ho Jang	Myong Ji University	Korea	Thermal Characterization of Junction in Solar Cell Packages	O
303	AK0101	P2	Solar Hydrogen	P2-90	27th	18:00~19:00	Sun Ho Jang	Myong Ji University	Korea	Fabrication and Thermal Optimization of LED Solar Simulator	O
304	AK0131	P2	Solar Hydrogen	P2-91	27th	18:00~19:00	Mi-Sun Kim	Korea Institute of Energy Research	Korea	Photo-fermentative hydrogen production from acetic and butyric acids using Rhodobacter sphaeroides KD 131	O
305	AK0136	P2	Solar Hydrogen	P2-92	27th	18:00~19:00	Hyunwoong Park	Kyungpook National University	Korea	EFFECTS OF CDS PREPARATION ORDER ON THE PHOTOCATALYTIC HYDROGEN PRODUCTION FROM WATER IN VISIBLE LIGHT IRRADIATED TITANIA/CDS	O

306	AK0158	P2	Solar Hydrogen	P2-93	27th	18:00~19:00	Kahee Shin	Sungkyunkwan University	Korea	CdS or CdSe Decorated TiO2 Nanotube Arrays from One-step Spray Pyrolysis Deposition	O
307	IK0004	P2	Solar Hydrogen	P2-94	27th	18:00~19:00	Jeong-Hyun Park	Yeungnam University	Korea	Tri-branched Tri-anchoring Organic Dye for Visible light-responsive Dye-sensitized Photoelectrochemical Water-splitting Cells	O
308	IK0006	P2	Solar Hydrogen	P2-95	27th	18:00~19:00	Sang-Yeob An	Yeungnam University	Korea	Enhance Carrier Transport Of N-doped TiO2 For Photoelectrochemical Cells	O
309	IK0011	P2	Solar Hydrogen	P2-96	27th	18:00~19:00	Jinho Chae	Yeungnam University	Korea	Electrochemical hydrogen production using dye-sensitized solar cells serial module system	X
310	AF0195	P2	Solar Hydrogen	P2-97	27th	18:00~19:00	Nicolas Alonso-Vante	University of Poitiers	France	MAGNETRON SPUTTERED Ti(1-x)WxO2 THIN FILMS FOR SOLAR HYDROGEN PRODUCTION	O
311	AF0261	P2	Solar Hydrogen	P2-98	27th	18:00~19:00	Rong Xu	Nanyang Technological University	Singapore	Highly Active Cd-Zn Binary Sulfides for Hydrogen Production from Water Using Visible Light	O
312	AF0067	P3	Dye- and Semicondu	P3-1	28th	14:30~15:30	Takashi Funaki	National Institute of Advanced Industrial Science and Technology	Japan	Ruthenium Complexes Containing a Pyridinedicarboxylate Ligand as a New Class of Sensitizers for Dye-sensitized Solar Cells	O
313	AF0071	P3	Dye- and Semicondu	P3-2	28th	14:30~15:30	Shyam Pandey	kyushu institute of Technology	Japan	Design and Development of Symmetrical Squaraine Dyes for Dye Double Layer Dye-Sensitized Solar Cells	O
314	AF0119	P3	Dye- and Semicondu	P3-3	28th	14:30~15:30	Shuanghong CHEN	Institute of Plasma Physics	China	A Numerical Model of Dye-Sensitized Solar Cell Module with Shaded Solar Cells	X
315	AF0120	P3	Dye- and Semicondu	P3-4	28th	14:30~15:30	Songyuan Dai	Institute of Plasma Physics	China	The Reaction Mecnanism of I3-/I- Redox Couple at the Pt Electrode/Electrolyte Interface in Dye-Sensitized Solar Cells	O
316	AF0123	P3	Dye- and Semicondu	P3-5	28th	14:30~15:30	Nobuya Sakai	Toin University of Yokohama	Japan	ZINC OXIDE AND TITANIUM DIOXIDE HYBRIDIZED PHOTOELECTRODE FOR DYE-SENSITIZED SOLAR CELLS (V)	O
317	AK0022	P3	Dye- and Semicondu	P3-6	28th	14:30~15:30	Su Jung Lim	Hanyang University	Korea	Photovoltaic Performance Dye-sensitized Solar Cells Assembled with Cross-linked Gel Polymer Electrolyte Containing Inorganic Materials	O
318	AK0047	P3	Dye- and Semicondu	P3-7	28th	14:30~15:30	Yeon Jeong Choi	Hanyang University	Korea	Photovoltaic Performances Of Dye-Sensitized Solar Cells Assembled With Hybrid Composite Membrane	O
319	AK0107	P3	Dye- and Semicondu	P3-8	28th	14:30~15:30	Dong Sik Bae	Changwon National University	Korea	Synthesis and Characterization of CdS/ SiO2 Thin Film for Solar Cell	O
320	AK0108	P3	Dye- and Semicondu	P3-9	28th	14:30~15:30	Hun Park	Korea Advanced Institute of Science and Technology	Korea	Surface Modification of Highly Ordered TiO2 Nanotube Arrays with Fullerene Derivatives and Application to Dye-sensitized Solar Cells	O
321	AK0109	P3	Dye- and Semicondu	P3-10	28th	14:30~15:30	Jae Hui Rhee	Korea Research Institute of Chemical Technology	Korea	Inorganic semiconductor-sensitized solar cells based on a cobalt (II/III)-based redox as a hole mediator	O
322	AK0110	P3	Dye- and Semicondu	P3-11	28th	14:30~15:30	Sang Hyuk Im	Korea Research Institute of Chemical Technology	Korea	Inorganic semiconductor-sensitized photovoltaic cells	O

323	AK0112	P3	Dye- and Semicondu	P3-12	28th	14:30~15:30	Sang Il Seok	Korea Research Institute of Chemical Technology	Korea	The importance of interface engineering in solid state inorganic/organic heterojunction solar cells	O
324	AK0114	P3	Dye- and Semicondu	P3-13	28th	14:30~15:30	Sung Chul Kim	Sungkyunkwan University	Korea	Home-made Paste Doped Emitter Formation for Crystalline Silicon Solar Cells	O
325	AK0007	P3	Dye- and Semicondu	P3-14	28th	14:30~15:30	Jae-Yup Kim	Seoul National University	Korea	Preparation of Highly Ordered Mesoporous Zr-Doped TiO <sub>2</sub> and Its Application in Dye-Sensitized Solar Cells	O
326	AK0118	P3	Dye- and Semicondu	P3-15	28th	14:30~15:30	Beomjin Yoo	Korea University	Korea	TCO-Less Dye-Sensitized Solar Cell with Novel Charge Collector	O
327	AK0120	P3	Dye- and Semicondu	P3-16	28th	14:30~15:30	Gil Ho Kim	Korea Advanced Institute of Science and Technology	Korea	A superior candidate for high-performance dye-sensitized solar cell	X
328	AK0122	P3	Dye- and Semicondu	P3-17	28th	14:30~15:30	No-Hyung Park	Korea Institute of Industrial Technology	Korea	Manufacturing the TiO <sub>2</sub> Electrode for Dye-sensitized Solar Cell (DSSC) Having High Efficiency	O
329	AK0123	P3	Dye- and Semicondu	P3-18	28th	14:30~15:30	Hui-Jin Kim	Korea Institute of Industrial Technology	Korea	Research about Electrolyte for Dye-Sensitized Solar Cell(DSSC) having Biphasic Structure	X
330	AK0124	P3	Dye- and Semicondu	P3-19	28th	14:30~15:30	Kyung-Ju Lee	Korea University	Korea	Plasma Annealed TCO & TiO <sub>2</sub> Nanoparticle For Dye Sensitized Solar Cell	X
331	AK0125	P3	Dye- and Semicondu	P3-20	28th	14:30~15:30	Gill Sang Han	Kookmin University	Korea	Mesoporous TiO <sub>2</sub> Nanowires for Bi-functional Light Scattering Layers in Dye-Sensitized Solar Cells	O
332	AK0126	P3	Dye- and Semicondu	P3-21	28th	14:30~15:30	Donghun No	LG Hausys	Korea	Optimization on Parameters Influencing Electrical Performance of Dye-sensitized Solar Cell	O
333	AK0130	P3	Dye- and Semicondu	P3-22	28th	14:30~15:30	Eunsung Ha	Korea University	Korea	Synthesis of functionalized Si and Ge nanoparticles and their application to	O
334	AK0134	P3	Dye- and Semicondu	P3-23	28th	14:30~15:30	Nu Ri Lee	Ewha Womans University	Korea	Optical Properties and Structure Characteristics of Semiconductor CuInSe <sub>2</sub> Nanoparticles Grown by Pulsed-Laser Ablation	O
335	AK0139	P3	Dye- and Semicondu	P3-24	28th	14:30~15:30	Kyung Jun HWANG	Chosun University	Korea	Photovoltaic Efficiency of Dye-Sensitized Solar Cells Depending on Different Physical and Chemical Properties of TiO <sub>2</sub> Thin Film	O
336	AK0140	P3	Dye- and Semicondu	P3-25	28th	14:30~15:30	Taewook Son	Hanyang University	Korea	Electron Transport Properties of Dye-Sensitized Solar Cells Employing Solid State Polymer Electrolyte	X
337	AK0141	P3	Dye- and Semicondu	P3-26	28th	14:30~15:30	Jongchul Kwon	Seoul National University	Korea	New organic dye based on indole derivatives for dye sensitized solar cells	O
338	AK0142	P3	Dye- and Semicondu	P3-27	28th	14:30~15:30	Woochul Lee	Seoul National University	Korea	A new organic dye based on 2,7-disubstituted carbazole donor for efficient Dye-sensitized Solar Cells	O
339	AK0143	P3	Dye- and Semicondu	P3-28	28th	14:30~15:30	Seok-Soon Kim	Kunsan National University	Korea	Oxide Nano-trees for Efficient Dye-Sensitized Solar Cells	O

340	AK0145	P3	Dye- and Semicondu	P3-29	28th	14:30~15:30	Woo Sug Yoon	Nanopac	Korea	Fabrication of DSC with the Spray Printable TiO <sub>2</sub> Nano-ink	O
341	AK0146	P3	Dye- and Semicondu	P3-30	28th	14:30~15:30	Youngrok Lee	Kyonggi University	Korea	Characteristics of Dye-Sensitized solar Cells (DSCs) prepared by Anodized Titania Nanotubes (TNTs)	X
342	AK0147	P3	Dye- and Semicondu	P3-31	28th	14:30~15:30	Ji-Hong Kim	Korea University	Korea	Transparent Conductive Gallium-doped Zinc Oxide Films Deposited at Low Temperature and Application in Dye-sensitized Solar Cells	X
343	AK0150	P3	Dye- and Semicondu	P3-32	28th	14:30~15:30	Tae-Hoon Kim	Seoul National University	Korea	Improved Electrical Properties of ZnO: Al Transparent Conducting Thin Films on Single Crystal Substrates Prepared by Pulsed Laser Deposition for DSSCs	O
344	AK0152	P3	Dye- and Semicondu	P3-33	28th	14:30~15:30	Kyung Ju Lee	Hyundai Hysco	Korea	Influences of additives on the photovoltaic performance of dye-sensitized solar cells	X
345	AK0153	P3	Dye- and Semicondu	P3-34	28th	14:30~15:30	Taehoon Lim	Konkuk University	Korea	Chemically Cross-Linked Polymer Gel Type Electrolyte for Dye-Sensitized Solar Cells.	X
346	AK0154	P3	Dye- and Semicondu	P3-35	28th	14:30~15:30	Jin-Doo Kim	Hyundai Hysco	Korea	Photovoltaic and Electrochemical Characteristics of Dispersed TiO <sub>2</sub> Nano Particle for DSSC	O
347	AK0156	P3	Dye- and Semicondu	P3-36	28th	14:30~15:30	Hoon Hoe Huh	Chungnam National University	Korea	SYNTHESIS AND CHARACTERIZATION OF TiO <sub>2</sub> NANOWIRES ON FLEXIBLE SUBSTRATES	O
348	AK0160	P3	Dye- and Semicondu	P3-37	28th	14:30~15:30	Kun Seok Lee	Sungkyunkwan University	Korea	DYE-SENSITIZED SOLAR CELLS WITH Pt- AND TCO-FREE COUNTER ELECTRODES	O
349	AK0164	P3	Dye- and Semicondu	P3-38	28th	14:30~15:30	Sung-Yoon Joe	Ajou University	Korea	Annealing Effects of P3HT:PCBM photoactive layer on Photovoltaic device performances.	O
350	AK0162	P3	Dye- and Semicondu	P3-39	28th	14:30~15:30	Sher Bahdur Rawal	The Catholic University of Korea	Korea	CdS/CdSe-ZnO Nanoball Composite Electrodes For Quantum Dot Solar Cells	X
351	AK0163	P3	Dye- and Semicondu	P3-40	28th	14:30~15:30	Kyung Geun Lim	Pohang University of Science and Technology	Korea	Control of Open Circuit Voltages of Polymer Bulk Heterojunction Photovoltaic Cells by Tuning the Interchain Interaction	X
352	AK0170	P3	Dye- and Semicondu	P3-41	28th	14:30~15:30	Jane Lee	Seoul National University	Korea	Enhancement of Short Circuit Current in Organic Photovoltaic Devices with Microcavity Structure	O
353	AK0172	P3	Dye- and Semicondu	P3-42	28th	14:30~15:30	Won-Ik Jeong	Seoul National University	Korea	Reduction of Collection Efficiency of Charge Carriers with Increasing Cell Size in Polymer Bulk Heterojunction Solar Cells	O
354	AK0177	P3	Dye- and Semicondu	P3-43	28th	14:30~15:30	Dong Hoe Kim	Seoul National University	Korea	Dense TiO <sub>2</sub> layer to improve the transmittance of Nb-doped TiO <sub>2</sub> / Sn-doped indium Oxide Multilayered photoelectrodes for the Dye-sensitized Solar Cells	X
355	AK0178	P3	Dye- and Semicondu	P3-44	28th	14:30~15:30	Sangwook Lee	Seoul National University	Korea	[001]-PREFERRED ORIENTED TITANIA NANOTUBE ARRAYS FOR ENHANCING CHARGE COLLECTION CHARACTERISTICS OF DYE SENSITIZED SOLAR CELLS	O
356	AK0179	P3	Dye- and Semicondu	P3-45	28th	14:30~15:30	Dong Wook Kim	Seoul National University	Korea	Characterization of Indium Titanate Semiconductor for Dye-Sensitized Solar Cells	X

357	AK0184	P3	Dye- and Semicondu	P3-46	28th	14:30~15:30	Dong Wan Seo	Konkuk University	Korea	Synthesis of an imidazolium Iodide containing Quaternary ammonium salt for application of dye-sensitized solar cells	X
358	AK0185	P3	Dye- and Semicondu	P3-47	28th	14:30~15:30	Ji Hyun Park	Korea Atomic Energy Research Institute	Korea	STUDY ON THE PHOTOCATALYRIC ACTIVITY BY VARIOUS TiO2 MORPHOLOGY PREPARED BY E-BEAM IRRADIATION	O
359	IF0017	P3	Dye- and Semicondu	P3-48	28th	14:30~15:30	Abasaheb Patil	Chonbuk National University	Korea	Poly (3,5-dihexyldithieno[3,2-b:2'3'-d]thiophene vinylene-alt-2,6-dimethylbenzo[1,2-d;5,4-d']bisoxazole): synthesis and characterization for photovoltaic applications	X
360	IK0005	P3	Dye- and Semicondu	P3-49	28th	14:30~15:30	Junhyun Cho	Korea Institute of Science and Technology/University	Korea	Water Soluble Polyelectrolyte Brushed Multiwalled Carbon Nanotubes for Counter Electrode of Dye Sensitized Solar Cells	O
361	IK0007	P3	Dye- and Semicondu	P3-50	28th	14:30~15:30	Sung Jin Kim	Yonsei University	Korea	A study on the Application of the thickness of ZnO films on the performance of dye -sensitized solar cells	O
362	IK0009	P3	Dye- and Semicondu	P3-51	28th	14:30~15:30	Taeyeon Cho	Korea Institute of Energy Research	Korea	Metal oxide coated stainless mesh sheet by sol-gel process for dye sensitized solar cells	O
363	IK0013	P3	Dye- and Semicondu	P3-52	28th	14:30~15:30	Yongtae Shin	Inha University	Korea	High Performance Organic Photosensitizers for Dye-sensitized Solar Cells	X
364	IK0014	P3	Dye- and Semicondu	P3-53	28th	14:30~15:30	Chul-Hyun Kim	Pusan National University	Korea	Inverted bulk heterojunction organic photovoltaics using metaloxide interlayer.	X
365	IK0015	P3	Dye- and Semicondu	P3-54	28th	14:30~15:30	Kyung Jae Lee	Seoul National University	Korea	The Properties of Cobalt Electrolyte compared with Iodide Electrolyte	X
366	IK0016	P3	Dye- and Semicondu	P3-55	28th	14:30~15:30	Yong Hui Lee	Korea Research Institute of Chemical Technology	Korea	Highly efficient CdSe quantum dots-sensitized solar cells via surface modification	O
367	IK0021	P3	Dye- and Semicondu	P3-56	28th	14:30~15:30	Jong Eun Jeong	Wonkwang University	Korea	Effect of LiF Buffer Layer on the Conversion Efficiency of the Organic Solar Cells	O
368	IK0022	P3	Dye- and Semicondu	P3-57	28th	14:30~15:30	Hana Choi	Korea Research Institute of Chemical Technology	Korea	Preparation of CIS absorption layer using solution process	O
369	IK0023	P3	Dye- and Semicondu	P3-58	28th	14:30~15:30	Myungjin Baek	Chonbuk National University	Korea	Synthesis of thieno[3,4-b]thiophene-based polymers for photovoltaic applications	X
370	IK0024	P3	Dye- and Semicondu	P3-59	28th	14:30~15:30	Chang-Ju Kim	Inha University	Korea	Edot-Functionalized Organic Photosensitizer For Dye-Sensitized Solar Cells	X
371	IK0025	P3	Dye- and Semicondu	P3-60	28th	14:30~15:30	Seok Hoon Jang	Inha University	Korea	Carbazole-functionalized Organic Photosensitizer for Dye-sensitized Solar Cells	X
372	IK0026	P3	Dye- and Semicondu	P3-61	28th	14:30~15:30	Mi-Lim Hwang	Chonbuk National University	Korea	Acenedithiophene-based low band-gap polymers: synthesis and photovoltaic application	X
373	IK0027	P3	Dye- and Semicondu	P3-62	28th	14:30~15:30	Young-Woo Lee	Soongsil University	Korea	TiO2 BRANCHED NANOSTRUCTURE ELECTRODES SYNTHESIZED BY SEEDING METHOD FOR DYE-SENSITIZED SOLAR CELLS	O

374	EM0006	P3	Dye- and Semicondu	P3-63	28th	14:30~15:30	Anders Rand Andersen	Teknologisk Institut	Denmark	Thermal stability of Dye-sensitized Solar Cells	O
375	AF0231	P3	Dye- and Semicondu	P3-64	28th	14:30~15:30	Chi-Wei Liu	Tripod Technology Corporation	Taiwan	Highly Efficient Grid-type Dye-sensitized Solar Module Employed with Nano-platinum Counter Electrode	O
376	AK0138	P3	Dye- and Semicondu	P3-65	28th	14:30~15:30	Jeongmin Im	Ulsan National Institute of Science and Technology	Korea	TiO2 nanotubes for DSC as electrolytes spacer	X
377	AK0096	P3	Photocatalysis and	P3-66	28th	14:30~15:30	Sung Kyu Choi	Kyungpook National University	Korea	HIGHLY ENHANCED PHOTOCATALYTIC ACTIVITY OF MESOPOROUS TiO2 NANOFIBERS	O
378	AK0097	P3	Photocatalysis and	P3-67	28th	14:30~15:30	Minsun Kim	Daegu Gyungbuk Institute of Science & Technology	Korea	Photocatalytic Activities of Surface-modified Titanate Nanotubes	O
379	AK0117	P3	Photocatalysis and	P3-68	28th	14:30~15:30	Anna NASONOVA	Kangwon National University	Korea	Application of TiO2-coated particles to NO and SO2 removal by dielectric barrier discharge-photocatalyst hybrid system	X
380	AK0119	P3	Photocatalysis and	P3-69	28th	14:30~15:30	Hung Cuong PHAM	Kangwon National University	Korea	Photodecomposition of Phenol in Aqueous Solution by TiO2 Photocatalyst Thin Films Coated on Polypropylene Beads	X
381	AK0129	P3	Photocatalysis and	P3-70	28th	14:30~15:30	Hwichan Jun	Pohang University of Science and Technology	Korea	Fabrication of Highly Ordered Nanoporous Iron-oxide Film for Photoelectrochemical Hydrogen Production	X
382	AK0132	P3	Photocatalysis and	P3-71	28th	14:30~15:30	Heesoo Jung	Korea Advanced Institute of Science and Technology	Korea	Characteristic Change of TiO2 Particles by the Atmospheric Pressure Plasma Treatment and Its Bio Application	O
383	AK0135	P3	Photocatalysis and	P3-72	28th	14:30~15:30	Min Sung Park	Korea Institute of Energy Research	Korea	Anodized Titania Photoanodes	O
384	AK0159	P3	Photocatalysis and	P3-73	28th	14:30~15:30	Eun Sun Kim	Pohang University of Science and Technology	Korea	Synthesis and Analysis of Nitrogen-doped TiO2 and Their Photocatalytic Activity under Visible light	O
385	AK0176	P3	Photocatalysis and	P3-74	28th	14:30~15:30	Suk Joon Hong	Pohang University of Science and Technology	Korea	Composite Electrodes of BVO4/WO3 for Photoelectrochemical Cell Application	X
386	IK0019	P3	Photocatalysis and	P3-75	28th	14:30~15:30	Jae Yul Kim	Pohang University of Science and Technology	Korea	Photocatalytic Oxidation of Dodecane	X
387	EM0009	P3	Photocatalysis and	P3-76	28th	14:30~15:30	Frédéric THEVENET	Ecole des Mines de Douai	France	Kinetic Investigation And Reaction Intermediates During Photocatalytic Degradation Of Decane at ppb Levels	O
388	EM0010	P3	Photocatalysis and	P3-77	28th	14:30~15:30	Guisheng Li	The University of Hong Kong	Hong Kong	Visible Light Driven Photocatalytic Oxidation of Nitric Oxide by Using a Gold/TiO2 System	O
389	AK0043	P3	Photocatalysis and	P3-78	28th	14:30~15:30	Wonil Park	Korea Institute of Science and Technology	Korea	Electrocatalytic water splitting using Co3O4 films prepared by a paste coating	O
390	AF0047	P3	Photoelectrochemistry	P3-79	28th	14:30~15:30	Katrine Jensen	Fraunhofer ISE	Germany	Analysis of Electrochemically aged Transparent Conductive Oxide (TCO) for Long-Term stable Dye Solar Modules	O

391	AF0102	P3	Photoelectrochemistry	P3-80	28th	14:30~15:30	Tatsuya Kameyama	Nagoya University	Japan	PHOTOELECTROCHEMICAL PROPERTIES OF Cu <sub>2</sub> ZnSnS <sub>4</sub> NANOPARTICLES IMMOBILIZED ON ITO ELECTRODE	O
392	AF0147	P3	Photoelectrochemistry	P3-81	28th	14:30~15:30	Maria Nowotny	University of Western Sydney	Australia	Observations of P-type Semiconductivity in Undoped Titanium Dioxide at Room Temperature	O
393	AK0054	P3	Photoelectrochemistry	P3-82	28th	14:30~15:30	Youngmin Kim	Changsung Corp.	Korea	New Process For Sputtering Target With High Purity Cu-In, Cu-Ga Powders	X
394	AK0113	P3	Photoelectrochemistry	P3-83	28th	14:30~15:30	Eui Chol Shin	Chonnam National University	Korea	Characterization of various TiO <sub>2</sub> photoanodes by potentiometry, voltammetry, and potentiostatic/dynamic EIS	O
395	AK0151	P3	Photoelectrochemistry	P3-84	28th	14:30~15:30	Jae Young Kim	Pohang University of Science and Technology	Korea	CNT-modified Iron Oxide Electrode for PEC Application	O
396	AK0166	P3	Photoelectrochemistry	P3-85	28th	14:30~15:30	Jung-Mo Jo	Chonnam National University	Korea	Photoelectrochemical Properties of ZnO Single Crystal	O
397	IF0012	P3	Photoelectrochemistry	P3-86	28th	14:30~15:30	Su Young Ryu	Oak Crest Institute of Science	U.S.A	Photoelectrochemical water-splitting using Semiconductor Anodes and	O
398	IK0001	P3	Photoelectrochemistry	P3-87	28th	14:30~15:30	Teresa Oh	Cheongju University	Korea	EFFICIENT OF SILICON SOLAR CELLS ACCORDING TO THE EFFECT OF TEXTURING	X
399	IK0018	P3	Photoelectrochemistry	P3-88	28th	14:30~15:30	Il Sup Hyun	Cheongju University	Korea	STUDY ON THE VARIOUS TEXTURING FOR SOLAR CELL	X
400	AF0149	P3	Photoelectrochemistry	P3-89	28th	14:30~15:30	Leigh Sheppard	University of Western Sydney	Australia	SURFACE PHOTOVOLTAGE STUDIES OF NONSTOICHIOMETRIC RUTILE TITANIUM DIOXIDE	O
401	AF0160	P3	Photoelectrochemistry	P3-90	28th	14:30~15:30	Tingli Ma	Dalian University of Technology	China	Photoelectrochemical Sensor with Nanostructured TiO <sub>2</sub> Electrodes for the Detection of DNA	
402	AK0042	P3	Photoinduced Electron	P3-91	28th	14:30~15:30	Yeon Hwa Jo	Yonsei University	Korea	CIGS Thin Film Solar Cells on ZnO:Al Back Contact	O
403	AK0026	P3	Photoinduced Electron	P3-92	28th	14:30~15:30	Sohee Jeong	Korea Institute of Machinery and Materials	Korea	Efficient Electron Transfer in CdSe-py-SWNTs Hybrids : Optical and Electrical Characterizations	O
404	AK0027	P3	Photoinduced Electron	P3-93	28th	14:30~15:30	Sohee Jeong	Korea Institute of Machinery and Materials	Korea	Energy/charge transfer at interface in CdSe based heterojunction solar cell	X
405	AK0044	P3	Photoinduced Electron	P3-94	28th	14:30~15:30	Yong Soo Cho	Yonsei University	Korea	Improvement of Cu(In,Ga)Se <sub>2</sub> Film Density by Solution and Powder Based Non-vacuum Process	O
406	AK0161	P3	Photoinduced Electron	P3-95	28th	14:30~15:30	Min-Young Hwang	Kwangwoon University	Korea	Epitaxial ZnO/4H-SiC Heterojunction Photovoltaic Devices	O
407	AK0080	P3	Photosynthesis and	P3-96	28th	14:30~15:30	Jinheung Kim	Ewha Womans University	Korea	Photogeneration of Co-factors Catalyzed by Metal Complexes	O

408	AF0264	P3	Photosynthesis and	P3-97	28th	14:30~15:30	Guan Zhang	Pohang University of Science and Technology	Korea	Preparation and Characterization of Titania Buried into Hydrophobically Modified Foam Photocatalyst for Phenol Synthesis	O
409	AK0190	P3	Photosynthesis and	P3-98	28th	14:30~15:30	Eun Chul Kim	Sungkyunkwan University	Korea	Investigating energy partitioning during photosynthesis using an expanded quantum yield convention	O
410	EM0008	P3	Photosynthesis and	P3-99	28th	14:30~15:30	Chuhong Yang	Institute of Botany	China	Artificial photosynthesis and solar energy utilization-What we can learn from plants?	X