NANO KOREA 2015 Poster Presentation Schedule

TS 01. Nanoelectronics

• Set-up : July 1(Wed.) - July 2(Thu.) 08:00-08:45
• Tear-down : July 1(Wed.) - July 2(Thu.) 15:00-17:00
• Presentation : July 1(Wed.) - July 2(Thu.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
9	Yawar Abbas	Myongji University	Resistive switching characteristics of Tantalum oxide with Different top electrodes	●
51	Young Jun Yoon	School of Electronics Engineering、 Kyungpook National University	GaN-based junctionless vertical nanowire transistor using dual-material gate structure for high-power and high-frequency	
62	Jae Hwa Seo	Kyungpook National University	Design Optimization of InAs-Based Gate-All-Around (GAA) Arch-Shaped Tunneling Field-Effect Transistor (TFET)	●
109	Mi Ra Park	Myongji University	Resistive Switching Characteristics of Ta2O5 Thin Film and Maghemite Nanoparticles Assembly Hybrid Device	●
117	Hye Rim Eun	Kyungpook National University	The study of AlGaN/GaN-based double-heterojunction FinFET forimprovement of device performance	●
118	Jin Su Kim	Kyungpook National University	Design Optimization and Analysis of InGaAs-based Junctionless Fin-type Field-Effect Transistors with 10 nm Gate Length	●
126	So-Young Kim	Gwangju Institute of Science and Techology (GIST)	Weak Pinning Effects at Metal/High-k Dielectric Stack Integrated for Top Gate Graphene Field Effect Transistors	●
166	Gi Woong Shim	Korea Advanced Institute of Science and Technology (KAIST)	Systematic approaches on the growth of transition metal dichalcogenides for high performance electronics	●
167	Myeong-ho Kim	Hanyang University	High-Performance Transparent a-IGZO TFTs Using ITO Embedded Current Path	●
186	Gwang Hyuk Shin	Korea Advanced Institute of Science and Technology (KAIST)	Characteristic of low-frequency noise in hysteresis-free MoS2	
194	Jong Han Park	Sogang University	Esaki-Tunneling-Assisted Tunnel Field-Effect Transistors (ETFETs) for Extremely-Low-Power Applications	
195	Farman Ullah	Department of Physics and Energy Harvest-Storage Research Center、 University of Ulsan、	Wafer-level uniform mono and few-layer MoS2 by chemical vapor deposition	●
216	Dong Min Sim	Korea Advanced Institute of Science and Technology (KAIST)	Modulating Electrical Properties of Defective Few-layer MoS2via Thiol-based Functionalization	●
217	Eun-Seon Jeong	Dongguk University-Seoul	Surface acoustic wave propagation properties with ZnO thin film for thermo-electric sensor applications	
231	In Huh	Sogang University	Effects of Source Doping Concentration on the Subthreshold Swing (SS) of Tunneling Field-Effect Transistors (TFETs)	
285	Jang Woo Lee	Sogang University	Random Telegraph Noise Model of Tunnel Field-Effect Transistors	
340	김성준	Seoul National University	HfOx-based RRAM with sub-100-nA operating current for low-power applications	
361	Young Tack Lee	Korea Institute of Science and Technology (KIST)	Chemical free and one-step imprinting method to fabricate field effect transistor devices based on two dimensional van der	●
373	Myung-Hyun Baek	Seoul National University	The lowering of Schottky Barrier Height Using Ultrathin Interlayer to Reduce Contact resistance	

470	Taehyung Park	Seoul National University	Capacitance-Voltage Characterization of Tunnel Field Effect Transistors with Si/SiGe Heterojunction	●
494	Taek Gon Kim	Hanyang University	Effects of morphology changes of Zinc-Tin-Oxide nanoparticles on extraction efficiency of LED	●
501	Soonmin Yim	Korea Advanced Institute of Science and Technology (KAIST)	Universal plasma-assisted doping method for few-layer transition metal dichacogenides customized using block	●
516	Sanghoo Han	Hanyang University	Investigation of Electrical Properties of AlGaN/GaN Schottky Diode by Changing of Plasma Treatment Conditions	
638	Sangyeon Lee	Ajou University	Adjusted Band alignments of Atomic Layer Grown-TiO¬2/Si Heterojunction for Ambipolar Diode by Photochemical Surface	
673	Daehee Kim	Department of Chemistry、Sungkyunkwan University (SKKU)、Suwon 440-746、 Korea	Heat dissipation in h-BN/Graphene/h-BN Field-Effect Transistor	●
705	Jang Hyun Kim	Seoul National University	Tunnel Field-effect Transistors with Multi Finger Gate	●
758	Shen Lai	SKKU Advanced Institude of Nano Technology(SAINT)	Two dimensional transition metal carbides: preparation and properties	
840	Hee-Dong Kim	Sejong University	1D-1R Characteristics of Si/Si3N4/Ti Devices with ultrathin SiO2 Barrier Layer	
886	Gunwoo Lee	Hanyang University	Thermal Degradation effect on electrical characteristics of SnS2 thin film transistors	●
887	Sekyoung Jang	Hanyang University	Channel Thickness Scaling Effect on SnS2 Field Effect Transistors by Argon Plasma Layer Thinning Process	●
888	Seunghyung Kwak	Hanyang University	Self-aligned、 Etching-free Graphene Electrode for SnS2 Field Effect Transistors	●
929	Song Eun Lee	Hongik University	Enhanced Lifetime and Driving Voltage in Hybrid Blue Organic Light-Emitting Diodes with Triplet Harvesting and Mixed Host	●
946	Jaeho Shim	Korea Institute of Science and Technology (KIST)	Dual-functionality optoelectronic devices consisting of light-emitting diodes and organic bistable memories fabricated	●
947	Hyun Soo Jung	Hanyang University	Enhancement of electric characteristics of the SONOS memory devices with additional high-k structures in the floating gate	
967	Joonsung Ahn	Hanyang University	Enhancement of the electrical characteristics due to a nanoscale reversed gate structure in FinFETs	
973	Kyu Young Kim	Sejong University	Controlling the forming voltage of AZO/ZnO/ITO ReRAM devices by irradiation of UV light	●
975	Soo Yun Kang	Sejong University	Influence of Pt-Fe2O3 core-shell nanoparticles on the metal filament formation in active metal/ Pt-Fe2O3 core-	●
983	Ee Le Shim	Halla University	Effect of working pressure during ZnO thin-film layer deposition on the characteristics of a transparent resistive random access	
1002	Hongseok Jang	Chonbuk National University	Use of artificial neural network for the simulation of color expression of black mortar using carbon and pigment	●
1011	Gwanho Baek	Division of Nano-Scale Semiconductor Engineering、Hanyang University	Influence of graphene oxide layer insertion in TaOx based conductive bridge memory	
1018	Mohammad Noor-A-Alam	Department of Physics、University of Ulsan	Adsorption and diffusion of lithium on SnS2 monolayer	●
1034	Hyong Seo Yoon	School of Mechanical Engineering、 Yonsei University	MoS2 Schottky diode with asymmetric metal contacts	

1124	Kai-Chi Chuang	National Chiao Tung University	A Novel Resistive Random Access Memory (RRAM) Device withField-Enhanced Nanowire Structure	●
1137	Hye Jung Kim	University of Ulsan	First principles study on the growth mechanism of monolayer MoS2	
1139	Geonhui Lee	University of Ulsan	Phonon and piezoelectric properties of C2HF and SnX2 (X=S、 Se) monolayers	●
1154	Hyeongwan Oh	Pohang University of Science and Technology (POSTECH)	Electrical Variation of Vertical Macaroni NAND Cells due to Random Grain Boundary Using Voronoi Method	●
1157	Ju Tae Ryu	Hanyang University	Electrical characteristics of the gate-all-around twin Si nanowire field effect transistors with various Si nanowire	
1161	Jungsik Kim	Pohang University of Science and Technology (POSTECH)	Electrical Variations due to Random Grain Boundary using Voronoi Method in Tunneling FET (TFET) with Polysilicon	
1170	Cho Yeon Lee	Sungkyunkwan University	Dielectrophoretic Detection of Low Concentration Gold Nanoparticles by Nanogap Electrodes	●
1207	Jun Gyu Lee	Department of Electroics and Computer Engineering、 Hanyang University、 Seoul、 133-791、	Enhancement of the electrical characteristics of FinFETs due to an embedded effective buried gate	
1209	Kyoung Wook Koh	Hanyang University	Electrical characteristics of the Sub-10-nm Tunnel Field-Effect Transistors With a polycrystalline Si Channel	
1246	Young Jin Choi	Sejong University	Study on the deposition temperature dependence on resistive switching properties of ZnO active layer in	
July 2(Thu.)				
39	Soon-Won Jung	Electronics and Telecommunication Research Institute	Fabrication of indium gallium zinc oxide-based stretchable organic ferroelectric memory transistors with polyimide stiff	
102	Ji Hoon Kim	Center for spintronics	Spin-orbit coupling induced coercivity change in a ferromagnet-semiconductor interface	
158	Jun-Young Jeon	Kwangwoon University	Wearable strain/pressure sensors based on nanomaterials with tunable sensitivity	●
174	Incheol Song	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Planar Hall Resistance sensor based on trilayer structure	
213	Seung-Myoung Yoo	Hannam University	Accumulation of magnetic domain walls for sensor applications	
240	Seok-Oh Yun	National NanoFab Center	Pulse Monitoring Patch using a Strain Gauge	
263	Dong-Hoon Lee	Sungkyunkwan University	Analysis of hybrid poly (methyl methacrylate) and silicon nitride insulator for organic electronics	●
267	Sol Jung	Sookmyung Women's University	Thermal and magnetic properties of thin-film containing amorphous CoSiB with perpendicular magnetic anisotropy	●

314	Ahyoung Hong	Hanyang University	Highly sensitive and low-cost graphene piezoresistive pressure sensor with porous-sponge substrate for low pressure detection	●
321	Hyeong-Jun Cho	School of Electronic and Electrical Engineering、 Sungkyunkwan University	Hybrid CMOS inverter with poly(methyl methacrylate) additive interlayer	●
325	Hyeon Gyun Yoo	Korea Advanced Institute of Science and Technology (KAIST)	Inorganic-based Flexible Resistive Random Access Memory on Plastic Substrates	
339	Seung Ho Lee	Kyung Hee University	A String based Sensing Platform for Hydrogen Peroxide Detection	
426	Jusin Lee	Hanyang University	Label-free Cell Detection Using SnS2 Field-Effect Transistor	●
495	Dong-Joon Won	Pohang University of Science and Technology (POSTECH)	Fatigue-free capacitive type touch sensor with large dynamic range	●
504	Seungho Kim	Department of Chemistry、 The Catholic University of Korea	Synthesis and Electroluminescent Properties of New Polyindenopyrazine Derivatives for OLEDs	
606	Yong Hun Lee	Hanyang University	Surface plasmon-enhanced fluorescence efficiency of organic light-emitting devices fabricated utilizing dodecanethilol	
670	Dong Chul Choo	Hanyang University	Structural and optical properties of silver nanoparticle-graphene oxide nanocomposites	
687	Hee-gyum Park	Korea Institute of Science and Technology (KIST)	Perpendicular magnetic tunnel junctions with Hf/Pt composite capping layers	
792	Taehoon Kim	Korea Advanced Institute of Science and Technology (KAIST)	Biomimetic conductive dry adhesives for ECG monitoring	●
832	Yoon-Jae Moon	Hanyang University	Effect of Temperature on Specific Resistance of silver nanoparticles during Laser and Furnace Sintering	●
833	Kyongtae Ryu	Hanyang University	The effect of temperature on physical property of conductive ink during furnace and electrical sintering process	●
880	Min Ku Lee	Korea Atomic Energy Research Institute (KAERI)	Highly Conductive Copper Interconnects through a Low Temperature Sintering of Defective Carbon Passivated Copper	●
889	Hongjun Kim	Hanyang University	Pressure magnitude and distribution detectable、 spatially digitized tactile sensor array	●
890	Kyumin Kim	Hanyang University	Graphene-based tactile sensor with spatially digitized electrode	●
898	Juyoung Kim	Hanyang University	Spatially digitized shear sensor with bio-mimetic fingerprint structure	●
901	Sihyun Sung	Hanyang University	Color conversion and excitonic transition behaviors of CdSe/CdS/ZnS core-shell-shell quantum dots	
922	Young Pyo Jeon	Hangyang University	Structural and optical properties of silver nanowire/graphene oxide nanocomposites formed on poly(methyl methacrylate)	
1159	Kang Eun Lee	Korea Institute of Materials Sicence (KIMS)	Fabrication of organic field effect transistors with photoactive gate dielectrics using photochromic molecules for UV sensor	
1206	Gyoung-Ja Lee	Korea Atomic Energy Research Institute (KAERI)	Effect of epoxy binder on rheological property and printability of Cu@C nanopaste	●
1221	Jong-Woong Kim	Korea Electronics Technology Institute (KETI)	Facile method to improve electrical and optical properties of silver nanowire electrode	●
1247	Nilesh Barange	Korea Institute of Science and Technology (KIST)	Sonication effect on blend of all-polymer solar cell performance	●

NANO KOREA 2015 Poster Presentation Schedule

TS 02. Nanophotonics

- Set-up : July 1(Wed.) 08:00-08:45
- Tear-down : July 1(Wed.) 15:00-17:00
- Presentation : July 1(Wed.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
151	Nayeun Lee	Korea Advanced Institute of Science and Technology (KAIST)	Dependence of the quality factor of nanooptical resonators on the mode profile and the adhesion layer	●
224	Eunah Kim	Ewha Womans University	Fabrication and optical characterization of Si nanopillar arrays for high performance optoelectronic device applications	●
243	Sungkyu Lee	Hongik University	Degraded Efficiency of Blue Phosphorescent Organic Light-Emitting Diode Through Aging in Ambient Condition	
249	Sujung Kim	Ewha Womans University	Distinctive optical characteristics of wet and non-wet Si nanopatterns	●
254	Kanghee Lee	Korea Advanced Institute of Science and Technology (KAIST)	THz near-field spectral encoding imaging using a rainbow metasurface	
255	Yushin Kim	Korea Advanced Institute of Science and Technology (KAIST)	Designing whispering gallery modes via transformation optics	
256	Donghwan Kim	Korea Advanced Institute of Science and Technology (KAIST)	Nanolithography using hyperbolic metamaterials	●
257	Jaehyeon Son	Korea Advanced Institute of Science and Technology (KAIST)	Transfer printed nanobeam photonic crystal laser coupled with Si waveguide on SiO2/Si substrate	
268	Hyungseok Hwang	Korea University	Hybrid nanorods of rubrene and gold nanoparticles: Enhanced photoluminescence and optical waveguiding properties	●
269	Jun Young Kim	Korea University	Photoresponsive characteristics of the hybrids of MoS2 nanosheets deposited with Au	●
286	Jeong-eun Ji	Ewha Womans University	Existence of nano-sized particles in azurite/malachite pigments	●
330	Hyun Sung Park	Korea Advanced Institute of Science and Technology (KAIST)	Unidirectional light transportation in topologically protected photonic surface state of chiral-hyperbolic metamaterial	●
362	Reehyang Kim	Korea Advanced Institute of Science and Technology (KAIST)	Effects of various geometric factors on resonance properties of metal nanoparticle arrays	●
523	Yong H. Ghym	Korea Institute of Science and Technology (KIST)	Photovoltaic performance-enhancing biomimetic PDMS anti-reflection film	●
524	Byungsoo Kang	Korea Advanced Institute of Science and Technology (KAIST)	Heterogeneous Three-Dimensional Assembly of Metamaterials and Metadevices by Modular Transfer Printing	●
530	Yun Hwangbo	Korea Institute of Machinery & Materials	Interlayer non-coupled transmittance in arbitrarily stacked multilayer graphenes	●
584	Dasom Yang	Yonsei University	Speed-controlled Thermal Drawing of Polymer Nanowires for Single Algal Cell Insertion	●

586	Joong Hyun Kim	Medical Device Development Center、 Daegu-Gyeongbuk Medical Innovation Foundation、	In-situ synthesis of silver nanoparticles on PDMS for a flexible SERS film	●
607	Young Jin Lee	Department of Physics、 Chung-Ang University	Improvement of field concentration in thin upconversion layer by using magnetic mirror	●
608	Kihwan Moon	Department of Physics、 Chung-Ang University	Investigation of electric and magnetic resonances in upconversion material nanocylinder on gold substrate	●
612	Hyeonaug Hong	Yonsei University	Cantilever Nanoelectrodes for Measurement of Cell Insertion Force and Subcellular Signals	
613	Seok hyeon Hong	Chung-Ang University	Printing color using resonant scattering at dielectric nanoparticles	●
614	Chanhyeong Lee	hung-Ang University Department of Physics	Enhancement of absorption and emission efficiency in upconversion process by using embedded subwavelength dielectric	●
668	Yongjae Kim	Yonsei University	Optimized Fabrication of High A/R Silicon Nanoprobe Array for Single Algal Cell Insertion	
703	Yi-Seul Park	Sookmyung Womens University	Correlating Optical Trap with Vertically Aligned Si Nanowire Arrays	●
715	Bongkyun Jang	Korea Institute of Machinery and Materials (KIMM	Roll-to-roll fabrication of stacked graphene metamaterials for electromagnetic waves	
902	Byeongho Park	Korea Institute of Science and Technology (KIST)	DNA based material for metal ion sensing with photoluminescence characteristics	●
904	Yeon Ui Lee	Ewha Womans University	Weak measurement post-selection of optical spin Hall effect in phase-discontinuity metasurface	●
909	Min Su Park	Yonsei University	Efficient electrocatalyst of CoS nanoparticles on SnO2 film forDye-Sensitized Solar Cells	
910	Jin Kyu Kim	Yonsei University	Improved photovoltaic performance using hierarchical mesoporous SnO2 spheres using a graft copolymer	
930	Sung-Hoon Hong	Electronics and Telecommunications Research Institute (ETRI)	Nickel nanoimprinting stamp fabrication using silver nanocrystal based metamaterials	●
944	Chi-Young Hwang	Electronics and Telecommunications Research Institute (ETRI)	Numerical analysis on metamaterial absorbers for spatial light modulation in the visible regime	
948	Junsoo Kim	Energy Harvesting Devices Research Section、 ETRI、 Daejeon、 305-700、 Korea	Hierarchical engineering of polymer membrane for spontaneous wetting on multi-scale complex roughness with	●
997	Khang June Lee	Korea Advanced Institute of Science and Technology (KAIST)	Crumpled graphene-gold hybrid substrate for the Surface-Enhanced Raman Spectroscopy	●
1006	Dong-Uk Sim	Electronics and Telecommunications Research Institute (ETRI)	Design of a small bandpass filter based on composite right/left-handed metamaterial	
1008	Sang il Kwak	Electronics and Telecommunications Research Institute (ETRI)	Design of metamaterial-based structure for electromagnetic wave suppression	
1021	Jong Jin Park	Institute of Physics and Applied Physics、 Yonsei University	Acoustic superlensing with negative density metamaterials	●
1024	Chanseok Lee	Seoul National University	Predicting mechanical flexibility of DNA origami nanostructures for plasmonic applications	

1025	YoungJoo Kim	Seoul National University	DNA origami design framework for plasmonics	
1027	Kyungjun Song	Korea Institute of Machinery and Materials (KIMM)	A Highly Miniaturized Acoustic Metamaterial Sensor	
1067	Young-Kuk Kim	Korea Institute of Materials Sicence (KIMS)	Interfacial coatings for highly luminescent phosphor glass composite plates	
1093	Junyeon Kwon	Kyung Hee University	Photoresponsivity enhancement of Multilayer MoS2 Phototransistors with Local Bottom-Gate Structure	●
1099	Jun-Hyuk Kwak	Korea Institute of Machinery and Materials (KIMM)	Fabrication of hybrid acoustic metamaterial device using periodic corrugated structures and active piezo membrane	
1128	Suyeon Lee	Korea university	Coupled double slot through interacting oscillators	
1129	Gwang-Hun Jung	korea university	Low reflective wire grating polarizers with absorbing layers	
1136	Seojoo Lee	Korea university	Fano resonant chiral electromagnetic fields by metasurfaces	●
1148	Eun Bok	Institute of Physics and Applied Physics、 Yonsei University	Metamaterial based acoustic pressure intensifier	
1151	Yeong Seong Eom	Korea Institute of Materials Sicence (KIMS)	Synthesis of Graphene Oxide Sheet/Bi2Te3 Nanocomposite Powders from Ag Nanocrystals-decorated Graphene Oxide	
1152	Jong-ryul Choi	Medical Device Development Center、 Daegu-Gyeongbuk Medical Innovation Foundation	Plasmonic enhancement in double layered metallic nanoapertures arrays	●
1200	Taehwan Kim	Department of Mechanical Engineering、 Yonsei University、	Perfect absorption and selective emission from infrared metamaterials and its application as an infrared stealth layer	●
1201	Hwanseong Lee	Department of Mechanical Engineering、 Yonsei University、	High throughput fabrication of photonic resonating metamaterials using microlens projection lithography	●
1212	Jihun Cha	Gyeongsang National University	Laser tuning with a dye-doped cholesteric liquid crystal cell by temperature control	●

NANO KOREA 2015 Poster Presentation Schedule

TS 03. Nanomaterials

• Set-up : July 1(Wed.) - July 3(Fri.) 08:00-08:45
• Tear-down : July 1(Wed.) - July 2(Thu.) 15:00-17:00
July 3(Fri.) 15:00-16:00
• Presentation : July 1(Wed.) - July 3(Fri.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
5	Jaekyeong Yoo	Seoul National University	Hydrogen production by steam reforming of liquefied natural gas (LNG) over magnesium-doped nickel-alumina aerogel catalyst	
8	Mr. Valmiki B. Koli	D. Y. Patil University	Visible light photo-induced antibacterial activity of TiO2-MWCNTs nanocomposites with varying the contents of MWCNTs	●
19	Duckhyung Cho	Department of Physics and Astronomy、 and Institute of Applied Physics、 Seoul National	Hybrid Nanostructures of CdS Nanowires and Au Nanohemispheres for Improved Optoelectronic Devices	●
48	Ahreum Hwang	Korea Advanced Institute of Science and Technology (KAIST)、 Korea Research Institute of	Ultrasensitive Targeting from Well-ordered Antibodies on Ultraflat Single-crystalline Au Nanoplates for Detection of C-reactive	●
53	Gayoung Eom	Korea Research Institute of Bioscience and Biotechnology	Ultrasensitive detection of disease biomarker by Au nanoplate-Au nanoparticle platform	●
54	Dong-Myeong Shin	Pusan National University	Infiltrated M13 Phage Pillar in Anodic Aluminum Oxide for Piezoelectric Nanogenerator	●
55	Seung Ju Han	Seoul National University	Hydrogen production by steam reforming of ethanol over dual-templated Ni-Al2O3 catalyst	
75	Tae Hun Kang	Seoul National University	Dehydration of glycerin to acrolein over H3PW12O40 catalyst supported on mesoporous titania	
81	Ki Hyuk Kang	Seoul National University	Dehydrogenation of propane to propylene over Cr-based catalysts	
82	Ung Gi Hong	Seoul National University	Hydrogenation of succinic acid to tetrahydrofuran over ruthenium-carbon composite catalyst: Effect of catalyst	
94	Sang Jun Son	Gachon University	Gold Nanoparticle Silica Nanopeapods	●
101	Timur Sh. Atabaev	Pusan National University	Ratiometric pH sensor based on fluorescent core-shell nanoparticles	●
133	Soo-Yeon Cho	Korea Advanced Institute of Science and Technology (KAIST)	Superior volatile organic compound (VOC) sensing performance ofversatile p-type metal oxide nanowire array	●
135	Min Yeong Gim	Seoul National University	Redox properties of nano-structured α2-K6As2W18-xMoxO62 (x=0-3) Wells-Dawson heteropolyacid catalysts probed by scanning	
136	Ji Hwan Song	Seoul National University	Synthesis of dimethyl carbonate from propylene carbonate and methanol over Y2O3/CeO2-La2O3 catalysts	
141	Aneesh Mathew	Pusan National University	Thiophene based schiff base functionalized mesoporous silica for the selective separation of mercury ions from water	
150	Arvind H. Jadhav	Myongji University	Synthesis of morphology controlled MgO nano structures using ionic liquid and its catalytic activity in organic transformation	●

239	Seunghwan Seok	Korea Advanced Institute of Science and Technology (KAIST)	Sonochemical fabrication of palladium oxide doped silica nano-catalyst for selective alcohol oxidation with molecular oxygen	
246	Jinyoung Kwak	Yonsei University	Nanospherical tyrosyl bolaamphiphile self-assembly for evaluation of fluorescence quenching by nitroaromatic compounds	
262	Byeong Min Kim	University of Seoul	Photocatalytic degradation of gaseous benzene on photodeposited Ag-TiO2 nanoparticles	●
276	park seon yeong	Toxicological research division	ZnO nanoparticles effect neuro-toxicity in PC-12 cell.	●
296	Gaurav M. Thorat	Myongji University	Template-free synthesis of nickel oxide nanocrystal at room temperature in deep eutectic solvent	●
328	Byoung Kuk You	Department of Materials Science and Engineering、 Korea Advanced Institute of Science and	Nanoscale Filaments Control of Resistive Memories via Self-Assembled Silica-Nanoinsulators for Switching Stability	●
332	Raghavendra Shavi	Myongji University	Sulfonated nanolayers of H+-montmorillonite as an efficient acidic catalyst for hydrogen generation from hydrolysis of	●
333	cheong-soo hwang	Dankook University	Aggregation and Photocatalytic Effects of the Simple Chelate Ligands Capped ZnS:Mn Nanocrystals in Aqueous Solution	
353	Ki-Sub Kim	Korea National University of Transportation	Copper Nanoparticles stabilized by morpholinium ionic liquids	●
392	Yu Seok Ham	Seoul National University	Fabrication of Au catalyst for electrochemical reduction of CO2 to syngas	
403	Sangwoo Park	Yonsei University	Selective pyrrole detection using curcumin-based fluorescent organogel	
413	Jin Gook Bae	Korea Advanced Institute of Science and Technology (KAIST)	Homogeneous MoS2/Graphene Microball by Microfluidic Droplet Generator	●
441	Nhi Sa Nguyen	Gachon University	Nickel oxide nanoparticles decorated cellulose nanofibers-based efficient and cost effective urea sensor	●
443	Chang-joon Keum	Yonsei University	Comparative study on reaction rate of CA-mimetic catalysts prepared with various metal ions	
452	Ahmad Mohammad Yaseen	Kyungpook National University	BSA-coated Gd2O3 nanoparticles for T2 MRI contrast agents	●
457	Seon-Mi Kim	Pusan National University	Synthesis and characterization of self-polishing copolymers containing a new zinc acrylate monomer	
468	Duck-Hyun Kim	Catholic University of Daegu	Physical properties and ophthalmic application of high functional materials with zinc oxide and titanium oxide nanoparticles	
486	Cuili Chu	Kumoh National Institute of Technology	Novel TiO2 flow through microtubular membrane type nanosensor for VOC sensing applications.	●
522	Ho-Jong Kim	Yonsei University	Chemical Reduction Effects on the Structural and Electrical Properties of Graphene Oxide-Coated Polyester Fiber Bundles.	
555	Haemin Gang	Seoul National University	Preparation of divanillin from lignin biomass and elastine-like peptidefor the functional synthesis of polymaterials	
560	Goun Kim	Kongju National University	Catalytic properties of nanoporous manganese oxide	

583	Ju Ye Kim	Korea Advanced Institute of Science and Technology (KAIST)	Study about gas sensing performance with Pt decorated CuO sensor via galvanic replacement focusing on catalytic effect	
591	Mohammad Ehtisham Khan	Yeungnam University	Synthesis of Silver Nanoparticles-Decorated Graphene Nanocomposite and its Enhanced Photocatalytic Activity	●
611	Gwang-Wook Hong	INHA University	Selective growth of nanowire on flexible fabric	●
624	Lee Eun Jin	Seoul National University	Single-step Fabrication Method of Ag Nano-gap Bumpy Shell for Sensitive and Stable SERS Tags	
637	Dayoung Yoo	Pusan National University	Fabrication of nanoporous CuO spheres by aerosol-based spray pyrolysis	●
651	Muhammad R. Haque	Seoul National University	Islet Nano-surface Modification by Multilayer PEGs to Improve Survival Outcome in Xenotransplantation Model	●
661	Byungsun Lee	Myongji University	A facile approach for the preparation of fluorescentpolyethyleneimine/PMMA nanoparticles containing biomolecular	
664	Seung-Woo Lee	Korea Institute of Science and Technology (KIST)	Electrochemical measurement of cell membrane potential modulation on a self-assembled AuNP necklace nanosensor	●
666	Amir Abidov	Kumoh National Institute of Technology	Novel detectors for earthquakes prediction.	●
691	Min Jung Kim	Yeungnam University	Preparation of macro-porous NiAl2O4 as catalytic support for SNG synthesis in fluidized bed process	
708	Hyunsuk Lee	Amorepacific R&D Center	Preparation of Inorganic Nanoparticles Coated by Pressure Sensitive Adhesive Copolymer	●
709	Ji-Eun Lee	Ewha Womans University	Polymer-decorated Core@Shell Nanostructure Electrocatalysis for Both Oxygen Reduction Reaction and Methanol	
727	Seung-Deok Baek	Hanbat National University	Eco-friendly Electroless Plated Copper Thin Films	●
743	Chang Joon Park	Yeungnam University	Coating of catalyst support material over micro-channel plate for auto-thermal reforming	
754	Yu Na Lee	Kyonggi University	Effect of interface properties about ZnO polycrystal filler added to anorthite system glass-ceramics with Li2O	●
755	Taejin Jeon	Korea university	Highly Sensitive Strain Sensor based on Porous Channels of ITO Nanoparticles	●
771	Tae-Hyung Kim	Hanyang University	The Newly Mass Production Method and Gas Sensing Properties of Tin Dioxide Nanoparticles by Plasma Electrolytic	●
772	Hochan Chang	Department of Mechanical Engineering、 Korea University	Chlorine Gas Detection using Nickel Oxide Tubular Nanochannels	●
807	Do Hoon Lee	Department of Mechanical Engineering、 Korea University	Detection of Ultraviolet Light using Hybrid Microchannels of ZnO and ITO Nanoparticles	●
875	Euna Ko	Hanyang University	Decoration of gold nanoparticles on porous silicon by electrochemical deposition and its application to biochemical sensing platforms	●
908	Gyuhan Kim	Pusan National University	Multidirectional High Power Generation of Zinc Oxide Flexoelectric Nanogenerator Based on Ti mesh Electrode	●

949	Dae-Yoon Kim	Chonbuk National University	Photoresponsive Giant Surfactant for Vertical Alignment of Liquid Crystal	
980	Beomjin Jeong	Yonsei University	Grain Size Control of CH3NH3PbI3 Perovskite Crystals using Moisture	
984	JeongDo Yoo	Korea Advanced Institute of Science and Technology (KAIST)	The effect of Sm and Nd dopants on CeO2-based CO oxidation catalysts	●
996	Ho-Young Kang	Seoul National University	All iron-based photoanode with hierarchical nanostructurefor efficient water oxidation	●
1005	Geon Joon Lee	Kwangwoon University	Optical Properties of ZnO Nanoparticles and Biosensing Applications	
1020	Minyoung park	Korea Institute of Machinery & Materials	Fabrication of biomimetic system for improved water harvesting	●
1029	Handong Cho	Pohang University of Science and Technology (POSTECH)	Superhydrophilic/superhydrophobic surfaces using green copper patina and selective oil/water separation	●
1096	JUNGHYUN AN	Seoul National University	Synthesis and characterization of N-doped graphene quantum sheets via nitrogen plasma treatment for hydrogen evolution	
1116	Dong-Kyu Lee	Korea Institute of Science and Technology (KIST)	Terahertz optical properties of active pharmaceutical ingredient polymorphic forms measured using nano metamaterial	●
1126	ChangMook Lee	Kyung Hee University	Direct growth of Nano Graphene on various glass substrate by heat treatment at low Temperature	
1147	Hoe-Cheol Song	University of Ulsan	Migration of oxygen vacancy around the 180° domain wall of ferroelectric PbTiO3	●
1160	Dongsoo Kim	Korea Institute of Materials Sicence (KIMS)	Correlation of Ca residue and cell parameter with magnetic property for Nd-Fe-B particles fabricated by reduction-diffusion process	
1179	Du-Yeong Kim	Korea Atomic Energy Research Institute (KAERI)	Characterization on surface modified nanocellulose with vinylsilane and its PVDF composites for cross-linked membrane by	
1186	Tae-Hoon Ko	Chonbuk National University	Facile synthesis of NiCo2O4/MWNT for direct ethanol fuel cell	●
July 2(Thu.)				
49	Ji Sun Jang	Sunchon National University	An Effective Route for Room Temperature Synthesis of Platinum Nanoparticles Dispersed on Multi-walled Carbon	●
57	Jong Kwon Lee	Seoul National University	Direct dehydrogenation of n-butane over platinum-tin catalysts supported on alumina	
85	Kune Woo Lee	Korea Atomic Energy Research Institute (KAERI)	Hyperbranched polyglycerol carboxylates-coated magnetic nanoparticles as a draw solute in forward osmosis combined with	
86	Hee-Man Yang	Korea Atomic Energy Research Institute (KAERI)	Copper ferrocyanide-functionalized magnetic adsorbents using polyvinylpyrrolidone coated Fe3O4 nanocluster for the removal of	
89	Yang-Yang Guo	Dongguk University	Preparation and luminescence properties of uniformly dispersed BiOCl:Eu with flower-like nanostructure	
113	Jung-Dae Kwon	Korea Institute of Materials Sicence (KIMS)	The Influence of Helium on μc-Si Thin-film Solar Cell Deposited by Using PECVD System at 100 Torr	●
116	Kyung-Joo Kim	Hanyang University	Adsorption and desorption characteristics of lead、 cadmium ion using magntic-cored dendrimer	●

139	Su Yeon Kim	Pusan National University	Sulfonic acid modified periodic mesoporous organosilica (PMO) for metal adsorption from wastewater	
140	Surendran Parambadath	Pusan National University	Dye adsorption efficiency of pentane-1、2-dicarboxylic acid functionalized spherical MCM-41	
152	Jaeyong Jang	Inha University	Preparation of CuO/ZnO/Al2O3 Catalyst for the Synthesis of Methanol	●
156	Taewoo Kim	Inha University	Electrochemical oxidation of wastewater with Ti/SnO2-Sb2O5 anode in the presence of chloride	●
163	Hye-Ran Kim	Hanyang University	Chitosan derivative terminated magnetic cored dendrimers for anionic and cationic dye adsorption	●
187	Sungsu Kim	Kyonggi University	Fabrication and characterization of palladium nanoparticle reinforced multifunctional lignin nanofiber mat	●
189	Hye-Jin Jin	Ewha Womans University	Nanoscale investigation of neutral and charged domain boundaries in epitaxial PbTiO3 thin films on LaNiO3 grown by laser	●
204	Kyung-Joon Min	Sogang University	Detecting Neurotransmitters based on Spectroelectrochemical Method by using Au-crumpled Graphene Electrode	●
232	Young-Min Kim	Pusan National University and Korea Institute of Footwear & Leather Technology	Enhanced dispersion and mechanical properties of the modified graphene oxide (MGO)/butyl rubber (IIR) nanocomposites via	
266	Lutful Kabir	Department of Environmental Engineering、 Kyungpook National University、 Daegu 702-701、	Enhanced proton conductivity by incorporating HKUST-1 as coordination network to Nafion® for PEMFC Application	●
277	Sang Beom Kim	Pusan National University	Fabrication and Thermal Explosion of Nanoenergetic Composite Powders for Rapid Airbag Inflation.	
295	Wei Wang	Yonsei University	High-performance flexible FG-OFET-NVM with a fully-polymer core architecture processed by all solution method	●
299	Yifan Zhang	Inha University	Effect of TiO2 on photocatalytic activity of polyvinylpyrrolidone fabricated via electrospinning	●
300	Tirusew Tegafaw	Kyungpook National University	Fluorescent Brightener-28 Coated Fe3O4 Nanoparticle: New Synthesis、 Characterization、 and Fluorescent	●
322	Ji Hoon Kim	Pusan National University	Laser Ignition and Controlled-Explosion of Nanoenergetic Materials: The Role of Multi-walled Carbon Nanotubes as an Explosive	
368	Hogyun Cheong	Pohang University of Science and Technology (POSTECH)	Mussel-Inspired adhesive protein-based electrospun nanofibers reinforced by Fe(III)-DOPA conplexation	●
384	Jae-Ho Hwang	Seoul National University	Au Nanocucumbers with Interior Nanogap for Multiple Laser Wavelength-Compatible Surface-Enhanced Raman Scattering	●
411	Yong-Deok Lee	Korea Institute of Science and Technology (KIST)	Methylene blue nanoparticles physically formulated for in vivo photodynamic therapy	
414	Kee-Bum Kim	Seoul National University	Dehydrogenation reaction kinetics of the LiBH4-YH3 composite promoted by inert gas back pressure	●
425	Seok Yong Hong	Korea Institute of Energy Research (KIER)	Control of crystallinity and porosity of mesoporous Fe2O3 nanostructures by thermal oxidation of iron oxalate cuboids	●
431	Won-Ho Lee	Gangneung-Wonju National University	Numerical study of magnetic nanoparticles in dielectrophoretic and magnetophoretic flows for high voltage applications	●

434	Md. Wasi Ahmad	Kyungpook National University	Surface modified Gd2O3 nanoparticles as a dual (MRI/CT) contrast agents	●
438	Sun Kak Hwang	Department of Materials Science and Engineering、 Yonsei University	3D Stacked Vertical Channel Non-Volatile Ferroelectric Polymer One Transistor Memory	
439	Imtiaz Mahmud	Kyungpook National University	Enhanced H2S gas sensing by higher aspect ratio and density ZnO nanowires via substrate surface energy control in	●
475	Auezhan Amanov	Sunmoon University	Formation of fine-grained structure upon UNSM and its effects on tribology of INCONEL 718 alloy	●
477	Ki-Young Lee	Korea Institute of Science and Technology (KIST)	Biologically assembled conductive nanomesh of single-walled carbon nanotubes	●
482	Young Hun Seo	Korea Institute of Science and Technology (KIST)	Low-Bandgap Biophotonic Nanoblend: A Platform for Systemic Disease Targeting and Functional Imaging	
487	Maithili Biswas	University of Ulsan	Preparation and Characterization of Ni-CNT nanocomposites by Electrical explosion of wire in different liquid conditions	●
499	JiYeon Yun	Engineering Ceramic Center、Korea Institute of Ceramic Engineering and Technology、	Coloration and Morphology Control of β-FeOOH Nano-pigment	●
502	Seongwoo Ryu	Singapore University of Technology and Design (SUTD)	Highly oriented carbon nanotube sheets for rechargeable lithium oxygen battery electrodes	
510	So-ri Jang	Korea Institute of Industrial Technology (KITECH)	Study on halloysite nanotubes containing clove bud oil as anti-insect materials	
513	Sung-Do Lee	Korea Institute of Materials Sicence (KIMS)	Nanoparticle Array for Antireflective Characteristics and Durability Deposited on Flexible Polymer Substrates	
533	Sung-Chan Jang	Inha University	Prussian blue coated magnetic nanoparticle for efficient removal of radioactive Cs	
546	Seung Yoo Choi	Chung-Ang University	Plasmonic Interactions by Bioconjugation of Antigen-Antibody Complex using Quantum Dots and Nanorods	●
558	Jun-Hyong Kim	Sunmoon University	Influence of microstructure on frictional behavior and hardness of tool steel AISI D2	
564	Hong-Guang Piao	China Three Gorges University	Injection of opposite-chirality magnetic domain walls in S-shaped ferromagnetic nanowire	
571	Seung-Min Lim	Seoul National University	Modulation of Oxygen Vacancy and Stoichiometry in Amorphous Metal Oxides at Metal/Oxide Interfaces for Enhancement of	
572	Hyeon-Seok Seo	Department of Chemistry and School of Mechanical Engineering、 Sungkyunkwan	A Study on the Flow Characteristics of Oil-Based Ferrofluid with Magnetic Nanoparticles in the Patterned Microchannel under	
573	Jae Jung Park	Yonsei University	Preparation and Bonding Properties of Essential Oil Adhesives for Wallpaper	
605	Hong-Joon Lee	Gwangju Institute of Science and Techology (GIST)	Amphiphilic homopolymer nanoparticles via self-emulsion polymerization and its application for UV protection	
615	M. S. Anwar	Changwon National University	Effect of reaction temperature on the structural、 morphological、 and optical properties of TiO2 nano-flowers	
619	Sehoon Jang	Korea Institute of Materials Science	Synthesis of HoN nanoparticles by thermal plasma process for magnetic refrigeration	●

625	Hyuk Jun Kwon	Yonsei University	The study of characteristic of LLDPE/PVA composite to improve moisture barrier and physical properties	
669	Jimin Kang	Kyonggi University	Microstructure in nano-scale of LiO2-ZrO2-SiO2 glass-ceramic/ZnO composites with different crystal type	●
671	Soohyun Kim	Sungkyunkwan University	Generation of Wettability Gradient from Superhydrophobic to Superhydrophilic on Imprinted Nanopattern	●
682	Im Sik Chung	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Gold Nanoparticle Platforms Using Surface Regulating Polymers	
685	Youngsun Kim	Korea Institute of Science and Technology (KIST)	Redox-mediated control of chemiluminescence generation in CuInS2-ZnS Nanocrystals	
710	Sang Won Lee	Kyonggi University	Influence of ZnO addition on nanostructure of diopside-based glass ceramics for LED packages	●
714	Jihwan Won	Kyonggi University	Influence of Si/Na ratio of nano-microstructure and physical properties of fly ash-based geopolymer	●
718	Vo Ngoc Thuan	Center for Advanced Materials Research、 NTT Institute of Hi-Technology (NIH)、 Nguyen Tat	Growing poly(methyl methacrylate) chains from the surface of Hydroxyapatite nanocrystals via Surface-initiated Reversible	●
720	Long Giang Bach	Department of Imaging System Engineering、 Pukyong National University、 Busan、 608-737、	Design and fabrication of grafting poly(ethylene glycol)monomethacrylate onto Fe3O4 nanoparticles via surface-initiated	●
748	Jia Jeon	Hanyang University	Optical and Electrical Properties of Indium Molybdenum Oxide Thin Films by Co-sputtering Method	
776	Jeung Hee An	Konkuk University	Cytotoxic effect of oleanolic acid coated magnetic nanoparticles on reversal of multidrug resistance A549 lung cancer cell	●
781	Hyo-Ryoung Lim	Hanyang University	Fabrication of Hydrophilic/hydrophobic Nanostructured Surface on Aluminum	●
799	Jae Hong Kim	Chosun University	Homogeneous dispersion on the synthesis of nanoscale Y-TZP powder by urea hydrolysis	
801	Jong Kook Lee	Chosun University	Influence of drying method on the synthesis of nanoscale Y-TZP powder by coprecipitation method	
846	Jae Ryung Choi	Korea Institute of Materials Sicence (KIMS)	Development of Co and CNF composite for high performance microwave absorption at X-band frequency range	
868	In-Suk Choi	Korea Institute of Science and Technology (KIST)	Microstructure Observation of NbF5 doped 6LiBH4-CaH2 Composite using Transmission Electron Microscopy	●
893	Young-In Lee	Seoul National University of Science and Technology (SEOULTECH)	Synthesis of Nickel Oxide Nanowires with Controlled Microstructures by Chemical Transformation of Nickel Nanowires	
926	Young Ho Kim	Daegu-Gyeongbuk Medical Innovation Foundation (DGMIF)	Thermal Characterization of f-MWCNT/Nafion and PVA/f-MWCNT/Nafion Nanocomposite Membranes	
928	Seung-Yun Lee	Hanbat National University	The effect of InP doping on phase transformation in GeTe thin films	
936	Jun-Young Lee	Yonsei University	Hybrid Phase Transition of Ge2Sb2Te5 Nanowire with a Joule Heating Electrode	●
953	Jungmok You	Department of Plant and Environmental New Resources、 Kyung Hee University	Fluorescent Nanostructures from Aromatic Diblock Copolymers via Atom Transfer Radical Polymerization	●

955	Park Su Kyung	Keimyung University	Preparation of amine-functionalized mesoporous hollow silica for CO2 capture	
995	Mi So Won	Korea Institute of Materials Sicence (KIMS)	Electrospinning conditions for the synthesis of metal nanofibers	●
999	Kim Kang Lib	Yonsei University	Graphene Electrode for Transparent and Flexible Non-Volatile Polymer Memory	
1059	Kookchae Chung	Korea Institute of Materials Sicence (KIMS)	Synthesis of rare earth mono-nitrides、HoN、 TbN and DyN、 by thermal plasma process for magnetic refrigeration	
1095	Hyun-Ji Kim	Silla University	Investigation on the different Ni-catalyzed carbon coils according to the reaction temperature	
1110	Yu Sun Won	Gachon University	A porous 3D graphene/cellulose framework for the detection and removal of heavy metal ions	●
1111	Manil Kang	University of Ulsan	Growth properties of V2O5 nanotubes prepared by anodic oxidation	●
1117	Yonghee Shin	Department of Chemical and Biomolecular Engineering、Sogang University	Synthesis of Multi-layered Gold Nanoparticles in Lipid Bilayer Vesicles	●
1169	Jeong-Jae Kim	Department of Dental Materials、Collage of Dentistry、 Chosun University.	Ion release of Hydroxyapatite Coating on Nanotubular Ti-25Ta-xHf Alloys for Dental Materials	●
1171	Seon yeong、 Park	Department of Dental Materials. School of Dentistry、 Chosun University、 Gwangju、 Korea	Corrosion Behavior of Electrodeposited Hydroxyapatite Films on Nanotubular Ti-29Nb-xHf Ternary Alloys	●
1172	In-Seop Byeon	Department of Dental Materials、Research Center of Nano-Interface Activation for Biomaterials、 & Res	Surface Morphology of Zn/HA Coated Nanostructure formed Ti-xNb Alloys by Electrochemical Deposition	●
1187	Ji-Young Park	Chonbuk National University	Thermal and Mechanical Properties of Poly(propylene carbonate) End capped with Poly(lactic acid)	●
1214	Minwoo Nam	Chung-Ang University	Microstructural Evolution of Plasma Enhanced Cu thin film on the Oxygen Stuffed Nano-thin Ta/TaONx/TaNx	●
1215	Sung-woo Yun	University of Ulsan	First-principle study of head-to-head and tail-to-tail domain walls in BaTiO3	
July 3(Fri.)				
4	Soonho Won	Korea Institute of Materials Science	Development of MRFM by modifying conventional SPM	
13	MinKyu Yu	Korea Advanced Institute of Science and Technology (KAIST)	Fabrication and corrosion behavior of graphene / aluminum composite	●
64	Dong-Hun Han	Pusan National University	Study on the properties of Poly(lactic acid) (PLA) and ethylene vinyl acetate (EVA) blends and their foams	
97	Hong Seok Lee	Chonbuk National University	Enhancement of optical properties in coupled CdTe/ZnTe quantum dots and quantum well on Si substrates	
112	Jaehyun Lee	The Catholic University of Korea	New Anthracene Derivative Including t-Butyl Group as Blue Emitter in Solution Process OLED	
122	Jong-Hoon Kim	Hongik University	All-solution-processed white quantum dot-light-emitting diodes through color-mixing of blue and yellow	●
123	Ki-Heon Lee	Hongik University	Highly efficient、 bright、 color-reproducible full-color quantum dot-light-emitting devices	●

124	Dae-Yeon Jo	Hongik University	Demonstration of high-color rendering white lighting devicesbased on a single quantum dot color converter	●
144	Chao Li	Sungkyunkwan University	A new simple method to synthesize polypyrrole-nanoparticle composite film and its application for VOC gas sensors	●
172	Su-bin Yang	Korea National University of Transportation	Synthesis of nano-rods LiFePO4 cathode materials synthesized using Anodic Aluminum Oxide(AAO) Templates.	●
226	Tae-Hwan Kim	Korea Atomic Energy Research Institute (KAERI)	Hydration of Ordered Structures of Pluronic Triblock Copolymer Depending on Temperature: A SANS Study	
284	Jae Ung Cho	Kongju University	Fracture characteristic study on adhesive interface of aluminum foam with porous material	●
313	Cheol Young Park	Korea Institute of Industrial Technology (KITECH)	Preparation SiN and SiCN films at extremely low working pressure and by using liquid precursor delivery system	●
317	Eutteum Goh	Dongguk University	Molecular dynamics study for SOC-dependent fracture toughness of LixMn2O4 in Li-ion batteries	●
327	Hong Hee Kim	Korea Institute of Science and Technology (KIST)	Inverted CdSe/ZnS Quantum Dot Light Emitting Diodes using Polyethylenimine ethoxylated modified ZnO	●
335	Jwajin Kim	Sungkyunkwan University	Bipolar host materials with carbazole and pyridine moieties for green phosphorescent organic light-emitting diodes	
336	Youngjoon Limm	Yonsei University	Evaluation of electrical properties of inorganic core-shell nanoparticles using impedance spectroscopy	
345	Hae-Chang Jeong	Yonsei University	Simultaneous titanium nanoparticle fabrication and dispersion to enhance electro-optical properties of liquid crystal	●
346	Ju-Hwan Lee	Yonsei University	Surface reformation of solution-processed inorganic films using ion-beam irradiation	●
354	Bing Li	Plymouth University	Electrochemical performance of graphene/reduced graphene oxide double layer electrode	●
391	Eun-Wook Jeong	1Department of Materials Science and Engineering、Pusan National University	Study on reliability properties of nano-particle ink on flexible polymer substrate	
415	Cheong Kim	Korea National University of Transportation	Electrochemical behavior of Li2FeSiO4 nanofibers under 1.5V	●
429	Okhyun Nam	Korea Polytechnic University	Semipolar (11-22) InGaN/GaN multiple quantum wells light emitting diodes grown on nano-sized SiNx interlayer and SiO2	
442	Jingming Zhao	Gyeongsang National University	Effects of pH on the Crystallization of Hydrous-Zirconia Particles by Hydrolysis	
464	Sangil Lee	Korea Polytechnic University	Effect of nanoscale SiNx multi-layer on structural and optical properties of freestanding non-polar m-plane GaN	●
490	Young-Joo Lee	Seoul National University	Investigation of Bending Fatigue Characteristics of Electronic Materials: Metal Interconnects and Organic Semiconductors	
497	Kangju Park	Pusan National University	A new approach to reduce cracking effects formed on electrochemically deposited CuInSe2 absorption layer	●
506	Min hyun cho	Soongsil University	Noble visible emission property in ionic Cu-doped perovskite zirconate nanocrystals	●

507	Hanuk Lee	Hanyang University	Fabrication of stainless steel nanotubes impregnated with metal nanoparticles for environmental application	●
511	Jong Min Lee	Center for Spintronics、 Korea Institute of Science and Technology	All-electrical measurement of interfacial Dzyaloshinskii-Moriya interaction by collective spinwave dynamics	●
518	Jae-Chan Lee	Seoul National University	Enhancement of Electron mobility in Solution-Processed Indium Oxide Thin Films through W Doping	
519	Jieun Park	Pusan National University	Mechanical properties of individual TiO2 nanotube	●
521	Kyunho Jung	University of Seoul	Resistive switching in ZnO/SiOx multilayer structures for nonvolatile memory application	●
527	hun seung choo	Gyeongsang National University	Effect of the PVP concentration on the Preparation of PS/TiO2	
529	YeongMin Baek	Gyeongsang National University	Preparation of PS/COPS-I/TiO2 Core-Shell particles	
542	Hankyoul Moon	Ewha Womans University	Optical properties of ZnO nanorod films blended with Si nanoparticles studied by Raman scattering spectroscopy and FDTD	●
543	Young Sik Kim	Hongik University	Theoretical study of imidazole derivatives for blue TADF emitter	
570	Ju Hyun Kim	Jeonnam Science High School	Size- and Shape-controlled Synthesis of Au Nanomaterials using β–Diketones and β–Ketoamides	●
579	Tae-Eon Park	Korea Institute of Science and Technology (KIST)	Room temperature electrical spin transport in GaN nanowires with CoFe/MgO contacts	●
582	So Yeon Lee	Seoul National University	Size-dependent electrophoretic behavior of TiO2 colloids in ion-free and non-polar solvent	
585	Min-Soo Kang	Hanyang University	Characterization of Cu-Mn/Ta layer as Cu diffusion barrier on low-k dielectrics	
587	Gyeong Sook Bang	Korea Advanced Institute of Science and Technology (KAIST)	Aqueous exfoliation of transition metal dichalcogenide and their photo-electrochemical behavior	
598	Taeyueb Kim	Korea Institute of Science and Technology (KIST)	Magneto-logic device by the effect of magnetic field on impact ionization in semiconductor	●
599	Joo-Hyung Kim	INHA University	Temperature effect on working performance graphene-magneto-rheological fluid mixture	●
601	Kiseob Hwang	Korea Institute of Industrial Technology (KITECH)	A study of mechanical properties of thermoplastic composite with modified Rice husk	
632	Geon Hyeong Lee	Hongik University	High-efficiency spiro-thioxanthen-based organic light-emitting diode exhibiting thermally activated delayed fluorescence	
645	Sumin Kim	Sookmyung Womens University	Design of FeCo-based soft magnetic alloy system with high saturation magnetization	
662	Jaehong Kim	Myongji University	Vertical alignment of liquid crystals using nanoscale self-assembledmolecular layer of alkoxybenzoic acid	
681	Jong Hyun Kim	Korea university	Comparison of Oxygen Plasma and Thermal Treatments for Cleaning Spray-deposited SWCNT Networks	●

689	TaeHyup Oh	Hanyang University	Application of stainless steel nanotube for wastewater treatment	●
698	Sun Ho Kim	Korea Institute of Industrial Technology (KITECH)	Characteristics of micro hardness on protective layer surface by using micro poly-crystalline diamond tip	
700	Hyunung Yu	Korea Research Institute of Standards & Science (KRISS)	Identifying Residual Stress in Synthetic Sapphire	
707	Soobin Park	Kyonggi University	The effect of CuO addition on the nano crystallization behavior of diopside glass ceramic	●
723	D. Y. Lee	Kyonggi University	Effect of Li2O addition on crystallization and thermal properties of ZrO2-CaO-MgO-SiO2 glass ceramic	●
728	Kwonbin Kim	Gachon University	The Temperature-Dependence of the Fluorescence of the ZnO Quantum Dots-dispersed Poly(Methyl Methacrylate) Film	
742	Younghoon Kwon	Gachon University	The Preparation of InP/ZnSe via Microwave-assisted Reactions	
759	Jeung Pyo Oh	Department of Physics、 Chonnam National University	Mechanoluminescence characteristics of micro sized ZnS particles embedded in polydimedthylsiloxane (PDMS) based	
761	Sunwoong Bae	Korea Advanced Institute of Science and Technology (KAIST)	Homogeneous AgCl seed nanocrystal synthesis on the droplet-based microfluidics system	●
763	Byeong-Chan Jang	Korea National University of Transportation	Electrochemical properties comparative analysis of sodium ion battery along the nano-thickness of polypropylene coating.	●
765	Heekyung Jeong	Sookmyung Women's University	Morphogenesis of four-folded Graphene Domains on Copper in Chemical Vapor Deposition	●
766	Nam Ho Kim	Department of Electrical Engineering、 Chonnam National University	Optical properties of mechanically driven light-generator : prepared by a screen-printing process	
770	Se Min Jeong	Sungkyunkwan University	Characteristics analysis according to the relative humidity of the CoCl2 / Polyvinylpyrrolidone material for POF	●
787	K Zin Htut	Inha University	Effect of E-beam irradiation on the electrochemical capacitive behavior of manganese oxide/CNF electrode for	●
798	Byeongju Jeong	KOREATECH	An interferometric technique to detect light-absorbing nanomaterials	
804	Chao Fang	Changwon National University	Microstructural evolution and formation of nanostructure of SS316 upon ultrasonic shot peening	
805	Houyu Ma	Changwon National University	Thermal behavior and Mechanical Properties of Pure Aluminum upon Ultrasonic Shot Peening	
811	Woojin Chung	Kyonggi University	A study on the correlation between physical characteristics and efficiency of TiO2 photocatalyst prepared by sol-gel method	●
834	Seon Young Jeong	Inha University	Effect of E-beam irradiated manganese oxide incorporated Carbon Nano-Fibers by electrodeposition	●
835	Sun-Young Kim	Korea Atomic Energy Research Institute (KAERI)	Evaluation of crystallinity nanocellulose(CNC) manufactured from wooden pulp by electron beam irradiation	●
837	Jae-Young Lee	Hydrogen Fuel Cell RIC、 Woosuk University	Preparation of epoxy/layered silicate nanocomposite in electro-magnetic field	

838	Jae-Hyung Park	Hanyang University	Effects of UV curing on the self-forming barrier process of Cu-V alloy films	
839	Jae-Jun Park	Joongbu University	Surface modification of nanosilica using silane coupling agent and epoxy-terminated silicone oil	
849	Jung Shin Lee	Yonsei University	Molecular dynamics study of the measurement of the nanoroughness of water surface using a graphene monolayer	
883	Sung-Jei Hong	Korea Electronics Technology Institute (KETI)	Effect of Ultraviolet (UV) Curable Ink Coated Layer on Characteristics of Transparent Conductive Oxide (TCO) Exposed to	
884	Seung-Jae Cha	Korea Electronics Technology Institute (KETI)	Highly Durable Solution based Indium-Tin-Oxide (ITO) Nanoparticles Layer against Heat-treatment at Extremely High-	
911	Kanghoon Kim	Sungkyunkwan University	Phosphorescent Organic Light-Emitting Diode Fabricated by Multi-Quantum-Well Structured Emitting Layer	
957	Ju Han Lee	Yonsei University	Highly bright Alternating Current Driven Polymer Electroluminescence Device using solution-processable hole-generation layer	●
991	Suhee Lim	Sungkyunkwan University	Diffusion behavior of carbon during silicidation in Ni/SiC	
1004	Uihyeon Jeon	Seo-do Construction	Color expression and physical properties of colored mortar using different inorganic pigment and acrylic polymer	●
1014	Sung-gyu Kang	Seoul National University	Investigating the mechanical properties of hollow nanostructures through in-situ nano-indentation	●
1042	Ji Hae Ha	Korea Institute of Industrial Technology (KITECH)	The effects of mixed oxide catalyst on decarboxylation of glycerol carbonate	●
1071	Soo-Min Park	Kyungpook National University	An optically pumped colloidal quantum dot laser using a hollow fiber	
1076	A-Ra Hong	Korea Institute of Science and Technology (KIST)	Blue-emitting ultrasmall core/shell Upconversion Nanophosphors	●
1101	Jin Hyuk Park	Korea University	Bio-Functional Organic Semiconductor: A Case Study of DNA-Guided Aluminum Quinolate Rod	●
1114	Young-Soo Han	Korea Atomic Energy Research Institute (KAERI)	Characterization of Nano Sized Microstructures in Ni base ODS Alloys Using Small Angle Neutron Scattering	
1119	Dahee Park	Korea Institute of Materials Sicence (KIMS)	Catalytic effect of Pt/SiO2 hybrid catalysts on metal foam under CO oxidation	●
1134	Seunghwan Kim	Dongguk University	Thermally-induced Strain on graphene/MoS2 and graphene/h-BN hybrid structures	
1143	Ho Young Jun	Yeungnam University	A Study on the Performance of CIGS Solar Cells with ZnS(O、OH) Thin Films synthesized by Solution-based CFR	
1173	Sam K. Jo	Gachon University	Dewetting dynamics on superhydrophobic surfaces: Jumping micro droplets from sub-micrometer-thick condensed water films	●
1191	Jun Hyuck Choi	Hyosung High School	Thermal and Mechanical Properties of Epoxy/Clay Nanocomposite	●
1195	Daechoon Kim	Sungkyunkwan University	S.M.A.C in PHOLED(Simple Model for Accurately Calculating Energy Transfer Ratio in Phosphorescent Organic Light Emitting	●

1203	Beom-Jin Yoon	Korea Electronics Technology Institute (KETI)	Measuring size of nano particles using high speed imaging and 2D Fourier analysis	
1204	Jong Min Park	Hanyang University	High Performance Yellow Dyes for Hybrid Color Tesist of LCD Color Filter	

NANO KOREA 2015 Poster Presentation Schedule

TS 04. Nano Fabrication & Processing

- Set-up : July 1(Wed.) - July 2(Thu.) 08:00-08:45
- Tear-down : July 1(Wed.) - July 2(Thu.) 15:00-17:00
- Presentation : July 1(Wed.) - July 2(Thu.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
143	Han Eol Lee	Korea Advanced Institute of Science and Technology (KAIST)	Development and Characterization of New Laser Lift-off for Diverse Wearable Devices	●
211	Myung Hoon Cho	Pusan National University	Assembling of Nanoenergetic Material-on-a-Microchipsand Tuning of Their Ignition and Explosion Reactivity	●
228	Meng Su	Institute of Chemistry Chinese Academy of Sciences	Three dimentional hierarchical structure of nanopaticles using template-assisted assembly	●
237	Wenbo Li	Institute of Chemistry、 Chinese Academy of Sciences	Printing Assembly of Free-standing Graphene Architectures towards Flexible Electronics	●
238	Do-Bin Kim	Seoul National University	Investigation on SONOS Flash Memory with Thin Polycrystalline Channel	
319	Myung Kyun Sung	Dongguk University	Exfoliation of graphene sheets from graphite by frictional motion	●
344	Junil Lee	Seoul National University	Improvement of Switching Characteristics and on-current in Tunnel Field-Effect Transistors by Modifying Source/channel	
423	Namsun Chou	Gwangju Institute of Science and Techology (GIST)	A silver nanowire (AgNW) patterning method for MEMS-scale devices	●
517	Jae Hoon Yang	Department of Information and Communication Engineeing、 Daegu Gyeongbuk Institute of	Geometrical Enhanced Planar Asymmetric Graphene Tunneling Diode	●
526	Seunguk Kim	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Accurate length scaling method for optical nanorod antennas	●
674	Jeong Hee Shin	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	The field enhancement of asymmetric structures in non-semiconductive materials	●
692	Lee、 Jihoon	KOREATECH	Optimization of W-Shaped Meniscus During Thermal Nano Imprint Lithography	
721	Eunju Yeo	Korea Institute of Machinery & Materials	A study on the arrangement of the nano particles and its application to the fabrication of the nano structures	
784	Donghwi Cho	Korea Advanced Institute of Science and Technology (KAIST)	Fabrication of 3D Nanostructured Elastomer with Removable Photoresist Template Defined by Proximity Field Nanopatterning	●
899	Sea Hoon Lee	Korea Institute of Materials Sicence (KIMS)	Preparation of nano ultra-high temperature ceramics (UHTC) powders using spark plasma sintering method	
931	sang-kon	Hanyang University	Effect of Lithography Process Parameters on FinFET Process by TCAD	●
937	Sanghoon Kim	Kyoto University	Ultra-High Magnetic-Recording Density over 2.5 Gb/in2 by Non-Destructive Low-Energy Proton Irradiation	●

971	JuHyun Bae	Sungkyunkwan University	Simulation and Characterization of Short Channel Organic Thin Film Transisters Fabricated Using Ink-jet Printing and Imprint	
977	Joonsung Mo	Sungkyunkwan University	Fabrication of metal nanomesh utilizing Indium grain boundary	
1012	Yong Bok Lee	National Nanofabriction Center (NNFC)	Fabrication of 3-dimensional carbon nanocups for real-time observation on thermal movement of nanometerials	●
1078	Chan Ho Choi	Yeungnam University	Crystal growth of the strain-induced III-V NWs grown on Si	
1121	Tae Jae Lee	National Nonofabriction Center (NNFC)	Anylab: An Innovative Assembling Tool Kit for Lab on a Chip	
1145	Nam Hyun Lee	Hanyang University	The electrical property variation of the organic bistable device fabricated by AuCl3 particles of different concentration	
1175	Dohaeng Lee	Hanyang University	Fabrication of nanostructured arrays using PDMS replication for increasing superhydrophobicity	
1193	Jihoon Lee	Kyungpook National University	Continuous fabrication for polymeric micro stencil via roll to roll imprinting device	●
1196	Jeong Hyeon Lee	Kyungpook National University	Continuous fabrication of Gecko inspired dry adhesives by using 2-step curing method	●
1213	Keunwon Kang	Chung-Ang University	Pattern Collapse Improvement in Lightly Doped Drain(LDD) and Source/Drain Implant Nano-Lithography Process	●
July 2(Thu.)				
11	Jeong-Cheol Kim	Korea Institute of Industrial Technology (KITECH)	Fabrications of colorless and transparent copolyimides and their nanocomposites containing organoclay	●
176	Yoojin Choi	Korea Advanced Institute of Science and Technology (KAIST)	In vivo synthesis of diverse metal nanoparticles by microorganism	●
225	Yuzhen Guo	Institute of Chemistry、 Chinese Academy of Sciences	Inkjet print microchannels based on liquid template	●
270	Saima Bashar	Department of Physics and Sungkyunkwan Advanced Institute of Nanotechnology (SAINT)	Coverage percentage and coverage rate of different DNA nanostructures grown on a mica substrate	●
275	Je-Beom Jeon	School of Energy、 Materials and Chemical Engineering、 Korea University of Technology and	Effect of nano size impurities on crystal growth in Al-Si hypereutectic alloy	
305	Sungwon Kim	School of Material Science and Engineering、 UNIST	Fabrication of flexible、 transparent、 and skin-attachable field-effect transistor (FET) sensors based on graphene-silver nanowire	
318	Seungjun Lee	Dongguk University	Self-organized nanodroplets during ion beam bombardment	●
352	Kyung Hwa Lee	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Pressure and Temperature Sensor with ZnO Nanowire Array	●
360	Hye Ryeon Lee	Korea Research Institute of Chemical Technology (KRICT)	Study on the effect of mechanical and thermal properties of epoxy composites with modified silica nanoparticle fillers prepared	
365	Mingyu Ryu	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Neural Electrode Array with Nanowires and PEDOT Improving Neural Recordings	●
390	Jinho Yoon	Sogang University	Electrochemical signal control of metalloprotein using graphene oxide-based nanocomplex	●

424	Junyoung Son	Department of Physics and Sungkyunkwan Advanced Institute of Nanotechnology (SAINT)	Fabrication and Analysis of Thinfilm Multilayer DNA Nano-Structure	●
447	Dongha Tahk	Seoul National University	Facile Fabrication of Multiscale Microfluidic Device for Hierarchical Free-Standing Polymeric Nano Stencile	●
532	Hui Ju Park	Pusan National University	Dumbbell-type hyperbranched polyglycidol assisted green synthetic protocols for the preparation of metal nanoparticles	●
566	Jae Im Jeong	Professor of Energy、 Materials and Chemical Engineering KOREATECH	Fabrication of Al nanocrystallites at low temperature by excessive high vapor pressure of amorphous alloys	
569	Kwan-Woo Kim	Korea Institute of Carbon Convergence Technology (KCTECH)	Cure behaviors and mechanical properties of carbon fibers-reinforced nylon6/epoxy blended matrix composites	
574	Jihee Jung	Myongji University	Analog characteristics of cortisol-conjugated nanoparticle-based resistive switching device	
590	Ji-Won Youn	Korea University of Technology and Education	The influence of the segregation coefficient of nano-size impurities in Si on extraction of Si from Al-Si alloy	
594	Eunhee Kim	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Fabrication of polymer-based micro probe with selectively nanostructured surface for enhanced neural interface	●
677	Younghwan Kwon	Daegu University	Thermal and ablation properties of poly(urethane-isocyanurate)/POSS composites	
684	Daehong Min	Korea Polytechnic University	Self-assembled growth of horizontal GaN nanowire without catalyst by metal-organic chemical vapor deposition	●
786	Ji Hwan Kim	Seoul National University of Science and Technology (SEOULTECH)	Mechanism of formation of sub-micrometer-sized Cu particles by wet chemical processing under air using hydrazine hydrate	●
790	Munhyuk Yim	Korea Advanced Institute of Science and Technology (KAIST)	Effects of Pd nanocluster layers on the performance of FBAR-based hydrogen sensors	●
828	Jeong Hwan Kim	Korea Institute of Machinery and Materials (KIMM)	Hybrid Films Deposition for High-aspect-ratio Nano Structures	
852	Sung-Hoon Hong	Electronics and Telecommunications Research Institute (ETRI)	Direct patterning of NiO nanoparticle for resistive memory	●
854	Choongman Moon	Sungkyunkwan University	Fundamental Study on Electrohydrodynamic Behavior of Liquid Thin Film for Non-Conventional Lithography Technique	●
865	Sangwook Lee	Korea Institute of Machinery and Materials (KIMM)	Functionalization of Microchannels to Micromixers by the Patterning with Focused Laser Beam	●
869	Hyeon-Hye Kim	Korea Institute of Carbon Convergence Technology (KCTECH)	Silicon nitride (SiN) coating optimization on carbon fiber surfaces by wet-thermal methods	
870	Dong-Kyu Kim	Korea Institute of Carbon Convergence Technology (KCTECH)	Effects of Electrochemical Oxidation of Carbon Fibers on Mechanical Interfacial bonding of Carbon Fibers-reinforced Epoxy	
895	Sung-Ho Shin	Ulsan National Institute of Science and Technology (UNIST)	Air dielectric thickness controllable pressure sensor with elastic supporting wall and high-performance graphene top-gate FETs	●
923	Sunjong Oh	Korea Institute of Machinery and Materials (KIMM)	Simple Method for Stable Superhydrophilic Aluminum Surface towards Water Harvesting	●
941	Kwangsun Song	Gwangju Institute of Science and Techology (GIST)	Transfer printing microelectronic devices on unconventional surfaces with isolated gecko setal arrays	

942	Sungbum Cho	Gwangju Institute of Science and Techology (GIST)	Transfer-Printing Semiconductor Membranes with Elastomeric Angled Microflaps	
1019	Syed Azkar Ul Hasan	Korea Institute of Machinery and Materials (KIMM)	SimpleTreatment for Enhancement of Conductivity of PDMS-MWCNT Ultrasensitive Film	●
1082	Thuyet、 Nguyen Minh	University of Ulsan	Synthesis and characterization of Magnetic of Ni/ABS nanocomposites by electrical explosion of wire in liquid and solution	●
1084	Ji-Uk Jang	Ulsan National Institute of Science and Technology (UNIST)	Simple Methods for Repairing Active Channel Layer Defects in Transistor with Metallic ink	●
1178	Sung Ho Lee	Kyungpook National University	Fabrication of the acoustic film inspried by Helmholtz resonator	●
1183	Taehyun Kim	National Nanofab Center	Development of High-selective Amorphous Carbon Sacrificial Layer for Surface Micro-machined Nano-membrane Fabrication	●
1197	Young Rang uhm	Korea Atomic Energy Research Institute (KAERI)	Fabrication of porous SiO2 coated fibrous bayerite and titania by hydrolysis and condensation process.	

NANO KOREA 2015 Poster Presentation Schedule

TS 05. Nanobiotechnology & Nanomedicine

• Set-up : July 1(Wed.) - July 3(Fri.) 08:00-08:45
• Tear-down : July 1(Wed.) - July 2(Thu.) 15:00-17:00
July 3(Fri.) 15:00-16:00
• Presentation : July 1(Wed.) - July 3(Fri.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
16	Eun-Kyung Lim	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Smart nanoprobes for the detection of alkaline phosphatase activity during osteoblast differentiation	
18	Dong-guk Cho	Seoul National University	Nanovesicle-based platform for the electrophysiological monitoring of aquaporin-4 and the real-time detection of	●
21	Daesan Kim	Seoul National University	Bioelectronic Sensor for Discrimination of Sweeteners Mimicking Human Tongue Using Heterodimeric Human Taste Receptor	●
26	Chan Ho Chung	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Graphene Oxide Specifically Binds Mutagenic DNA	
46	Chul Soon Park	Korea Research Institute Bioscience and Biothchnology (KRIBB)	The near-infrared fluorescent sensors for imaging hydrogen sulfide in living cells	●
70	Jun Ki Ahn	Korea Advanced Institute of Science and Technology (KAIST)	A novel electrochemical method to detect theophylline utilizing silver ions captured within abasic site-incorporated dulplex DNA	●
71	Chang Yeol Lee	1Department of Chemical and Biomolecular Engineering (BK 21+ program)、 Korea Advanced	A Label-free Fluorescence Turn-on Detection of Melamine with Ultralow Background Based on DNA-Templated Silver	
73	Joon Young Lee	Korea Advanced Institute of Science and Technology (KAIST)	Copper catalyzed oxidation based electrochemical detection of alkaline phosphatase	●
91	Rongke Gao	Hanyang University	Highly sensitive detection of an anthrax biomarker poly-γ-D-glutamic acid using SERS-based solenoid microfluidic chip	●
105	Jiyong Kim	Division of Biotechnology、 Advanced Radiation Technology Institute (ARTI)、 Korea Atomic	A facile and rapid inhibitor screening of hepatitis C virus NS3 using quantum dots-conjugated RNA oligonucleotide	
131	Jin-Ho、 Park	Gwangju Institute of Science and Techology (GIST)	A strategy for localized surface plasmon resonance (LSPR) signal enhancement of aptasensor for ATP detection using split-	●
154	Soo Hyun Kim	Korea University	Single Mismatched DNA Detection in Hybridization Event based on SPR using Gold Nanoparticles	●
155	So Jin Song	Korea University	Versatile Strategy for Drug-discovery based on Localized Surface Plasmon Resonance	●
160	Jeong-Woo Choi	Sogang University	Highly Sensitive Immunosensor for Electrical Detection of HIV-1 like Particles using Scanning Tunneling Microscopy	
190	Manki Son	Seoul National University	Real-time monitoring of water odor via human-like nanobioelectronic nose	●
196	Kyu-Tae Park	Yonsei University	Detection of airborne virus using electro-aerodynamic deposition and field effect transistor	●
209	Dongjin Park	National Cancer Center	Doxorubicin loaded hyaluronic acid-polypyrrole nanoparticles as theranostic agents	●

218	Jinsoo Park	Gachon University	Development of Interdigitated and Chain Shaped Electrode Arrayfor Electric Cell Impedance Sensing	●
236	Sangdo Jeong	Gwangju Institute of Science and Technology (GIST)	A Parylene-coated Disposable Chip to Enhance PCR Efficiency	●
264	Hansu Lee	BioNanotechnology Research Center、 Korea Research Institute of Bioscience and Biotechnology &	Detection of alkaline phosphatase activity during osteoblast differentiation using smart nanoprobe-loaded scaffold	
288	Bramaramba Gnapareddy	Department of Physics and Sungkyunkwan Advanced Institute of Nanotechnology (SAINT)	Chemical and Physical Characteristics of Doxorubicin Hydrochloride Drug-Doped Salmon DNA Thin Films	●
298	Badrul Alam Bony	Kyungpook National University	Water-soluble D-glucuronic acid coated ultrasmall mixed metal (Dy/Mn) oxide nanoparticles and their application to	●
303	Byungjun Ahn	Korea Advanced Institute of Science and Technology (KAIST)	Development of pH-responsive nicked ferritin nanocage for application to drug delivery system	●
306	Jung Hun Park	Korea Advanced Institute of Science and Technology (KAIST)	A one-step electrochemical aptasensor for thrombin detection Based on Molecular Beacon Comprising Metal Ion Binding	
357	Hye Ryoung Heo	Pohang University of Science and Technology (POSTECH)	Fabrication of Efficient and Facile Carbohydrate Microarray for Carbohydrate-Protein Interaction Analysis	●
402	Hyun Young Heo	Korea Advanced Institute of Science and Technology (KAIST)	Rotating microdevice for multiplex SNP analysis using rolling circle amplification	●
412	Eun-Jung Jo	Gwangju Institute of Science and Techology (GIST)	Homogeneous Biosensor for Target Molecule Detection Based on Luminescence Resonance Energy Transfer Using the	
421	Yong Tae Kim	Korea Advanced Institute of Science and Technology (KAIST)	A total integrated valveless sample-in-answer-out microdevice for mini Y short tandem repeat genotyping	●
432	Hajime Minamikawa	Hokkaido University	Cellular behavior on the TiO2 particles-containing resin-modified glass ionomer cement	
489	Dae Keun Park	Sungkyunkwan University (SKKU)	Amplified Redox Signal Based on Interdigitated Array Electrodes for Detection of Vaccinia Virus Particles	●
498	Dong-Ki Choi	Ajou University	A strategy for generating intact、 full-length IgG antibodies that internalize into the cytosol of living cells	●
551	Farhana Sharmin Diba	Kyungpook National University	Gold nanoparticle grafted biosensors for biotechnology	●
554	Hye Youn Han	Kyungpook National University	Electrochemical Biosensors using LBL assembly for Proteins	●
563	Yun Ju Sung	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Gold nanorod (AuNR)-based enzyme activation at low temperature by using a photothermally promoted local temperature	
580	Amar B.T Ghisaidoobe	Department of Chemistry、 Dongguk University	Development of Stable Lipid Nanoparticles	●
596	Chunghyun Lee	Gachon University	Optimal detection condition of mutant DNA by change of reaction condition	●
610	Heesun Jung	Konkuk University	Nucleic Acid-based Conjugates for Biomedical Applications	
617	Seyeon Kim	Gachon University	Molecular Beacon-based fluorescence assay of restriction enzyme and methyltransferase	

622	Hye Ryeon Yoon	Korea Advanced Institute of Science and Technology (KAIST)	Highly improved specificity for hybridization-based microRNA detection by controlled surface dissociation	
640	Hannah Pyo	Department of Chemistry、Sungkyunkwan University	Nanoparticle Decoration Method for the Facile Electrical Detection of Streptococcus Pneumoniae	●
647	Dae-Hee Lee	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Ratiometric analyses at critical temperature levels can magnify the signal intensity of fret-based sugar sensors with periplasmic	●
654	Cheolhwan Jeong	Seoul National University	Near-IR Surface-enhanced Raman Scattering (SERS) Nanoprobe for Photoacoustic Imaging and Multiplexed Biomarker Detection	●
680	Seung Jun Oh	Korea Advanced Institute of Science and Technology (KAIST)	Centrifugal loop-mediated isothermal amplification microfluidic device for rapid、multiplex and colorimetric foodborne	●
683	Jae-Seok Yu	Seoul National University	Single Protein Resolution Mapping of the DNA-ZFP Interaction Using Solid-State Nanopores	●
736	Daeil Choi	Korea Institute of Science and Technology (KIST)	Extracellular Matrix Remodeling for Efficient Delivery of Nanoparticles	●
738	Hyung-Jun Kim	Seoul National University	Synchronized optical and electronic detection of biomolecules using a low noise nanopore platform	●
767	Junhyup Kim	Department of Mechanical Engineering、 Korea University	Real-time Monitoring of the Growth of Aspergillus niger Fungi using SWNT-FET Devices	●
793	David Wonbin Lim	Korea University	Development of miniaturized separation system for biomarker detection utilizing ion concentration polarization	●
821	Dongwoo Khang	Nanomedicine Laboratory、Department of Molecular Medicine、 School of Medicine、	Initial graphite disorder carbon lattice structures determines surface hydrophilicity	●
831	Dongsik Han	Korea Advanced Institute of Science and Technology (KAIST)	Rapid immunoreaction enhanced by optically-induced AC electroosmosis	●
841	Seyong Kwon	Korea Advanced Institute of Science and Technology (KAIST)	Quantum dot-labeled cancer biomarker quantification using microfluidic immunohistochemistry	●
845	Eun-Kyung Kim	Division of Food Bio Science、Konkuk University	Cancer cell cycle arrest of doxorubicin-carbon nanotube anticancer drug	
871	Jihyun Lee	Pohang University of Science and Technology (POSTECH)	Development of target detection/capture system utilizing fluorogenic molecular NET; polymer based DNA hydrogel	●
939	Sang Hwa Hyun	Department of Chemistry、Sungkyunkwan University (SKKU)	Electrochemical Detection of Active Botulinum Neurotoxin E Light Chain Based on the Interdigitated Electrodes.	●
1009	Hak Jong Lee	Seoul National University	Ultrasound-Guided Delivery of siRNA and a Chemotherapeutic Drug by Using Nano-Liposme Complexes: In vitro and In vivo	
1032	Shu-Ying Cheng	National Chung Hsing University	Detection of Charged Proteins with a Bio-Sensor Device	
1061	Iman Shackery	Yonsei University	An improved sensitivity non-enzymatic glucose sensor based on a Nickel Hydroxide nanoflakes modified three dimensional	●
1086	Aeyeon Kang	Department of Chemistry、Sungkyunkwan University (SKKU)	Clustering of Gold Nanoparticles by Lipid-Reconstitution for Incorporation of Influenza A Virus M2 Membrane Protein	●
1094	Fei Zhao	Gachon University	Dopamine conjugated quantum dots as sensing probe for hydrogen peroxide detection	

1211	Jaehak Lee	Korea Advanced Institute of Science and Technology (KAIST)	Molecular range light confinement of Metal-Air-Metal Structure for biosensor applications	
1216	Heung Bo Sim	Yonsei University	Distinction of viable and non-viable cells using RF-micro device	●
1222	Eungi Min	Korea University	Simulation Study of Image Stabilization for the Intraoperative Handheld Gamma Imaging Probe	●
1235	Minji Kim	Korea University	Near Infrared Fluorescent Image Based Evaluation of Gastric Tube Perfusion after Esophagectomy in Preclinical Model	●
July 2(Thu.)				
2	Ganesh Irisappan	Sungkyunkwan University	Microfluidic Detection System (μFDS) for Pre-concentration and Detection of Foodborne Pathogens with Magnetic Nanoparticles	●
22	Min Chang Lee	Sungkyunkwan University	pH-Sensitive Carboxymethyl Dextran-Based Polymeric Nanoconjugates for Efficient Cancer Therapy	
27	Jieun Sim	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Highly sensitive detection of Bacillus cereus food poisoning using magnetic nanoparticles	
28	Jungbae Kim	Korea University	Alcohol-dispersed Polystyrene-based Electrospun Nanofibers for Cell Separation Platform	●
29	Hee-Sook Yoon	Korea university	Advanced Immunoassay Method for Signal Enhancement by Enzyme-precipitate-coating-linked Immunosorbent Assay	●
30	Jongseong Yim	Korea University	Immobilization of Pyranose Oxidase in Mesoporous Carbonfor Biofuel Cell applications	●
31	Youngho Wee	Department of Chemical and Biological Engineering、 Korea University、 Seoul 136-713、	High Performance Enzymatic Biofuel Cells based on Enzyme Adsorption、 Precipitation and Crosslinking of Glucose Oxidase and	●
32	Sung-Gil Hong	Department of Chemical and Biological Engineering、 Korea University、 Seoul 136-713、	Immobilization and Stabilization of Lipase on Polyaniline Nanofibers for Esterification of Racemic Ibuprofen	●
34	Jae Hyun Kim	Department of Chemical and Biological Engineering、 Korea University、 Seoul 136-713、	Enzyme Precipitate Coating for Biosensor Application	●
35	Inseon Lee	Korea University	A highly sensitive immunoassayusing antibody-conjugated nanoscale enzyme reactors	●
36	Jeongjoon Lee	Korea University	Highly efficient enzyme immobilization and stabilization within meso-structured onion-like silica for biodiesel production	
37	Han Sol Kim	Korea University	Immobilization and Stabilization of Subtilisin Carlsberg in Magnetically-Separable Mesoporous Silica for the Transesterification	
38	Jahyun Nam	Korea University	Effective Antifouling Platform with Stabilized Acylase in Magnetically-Separable Nanoscale Enzyme Reactors	
40	Da Jung Chung	BioNano Health Guard Research Center	Preparation of C60 nanostructures on silicon wafers by spin-coating and annealing	●
41	Kyung Mi Park	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Rapid detection of C-reactive protein using fluorescent fullerene nanoparticles on lateral flow test strip	●
44	Chang Soo Lee	Korea Research Institute of Bioscience & Biotechnology(KRIBB)	Staining the bacterial cell surface using nanodiamonds forsuper-resolution fluorescence microscopy	●

47	Jeho Park	Korea Research Institute of Bioscience and Biotechnology (KRIBB)	DNA-Based Digital Data Storage	●
52	R.A.Bohara	D Y Patil University	Synthesis of functionalized superparamagnetic Co0.5Zn0.5Fe2O4 nanoparticles: a potential candidate for	●
59	Jong Min Lee	Department of Mechanical Engineering、 Sogang University、 Seoul、 Korea	Electrical conductive hydrogel microplatform for stem cell patterning	●
63	ki joong lee	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Nanoimprint lithography for the fabrication of nano interdigitated electronics	
67	Minju Lee	Seoul National University	DNA sensors based on CNT-FET with floating electrodes	●
92	Ziyi Cheng	Hanyang University	SERS-based immunoassay of dual cancer biomarkers for early diagnosis of prostate cancer	●
93	Kyung-A Hyun	Yonsei University	Selective isolation of Circulating Tumor Cells (CTCs) using two stage microfluidic chip	
95	Kirok Kwon	Yonsei University	Photothermal microfluidic chip for airborne bacteria ablation using gold nanoparticles embedded poly(dimethylsiloxane).	
98	Jinyoung Kim	Yonsei University	Synthesis of Stable Magnetic Polyaniline Nanohybrids for Simultaneous Diagnosis via Magnetic Resonance Imaging and	
100	Jaehyun Lim	boy6635@naver.com	Synthesis of multi-functional gold nanorods for photo-thermal therapy	
106	Changhyun Roh	Korea Atomic Energy Research Institute (KAERI)	Enzymatic reactions on NanoBioHybrid system	
114	Juyeon Jung	Korea Research Institute Bioscience and Biothchnology (KRIBB)	A scanometric antibody probe for facile and sensitive immunoassays	●
120	Jiyun Jeong	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Preparation and characterization of micropost cell capture device immobilized highly oriented antibody-immobilized	
132	Jae-Heon Kim	Gachon University	Imprinting based fabrication of thermoplastic microdevice for colorimetric detection of nutrient salt in water	●
137	young-beom Shin	Korea Research Institute Bioscience and Biothchnology (KRIBB)	High Sensitivity Detection of AFP(α-fetoprotein) by Self-Controlled LSPR measurement method	●
138	na rae Jo	University of Science & Technology (UST)	Fabrication of Nano dot array by Nanoimprint Lithography for the Application to Biosensor Chip	●
145	JaeYoung Kim	DGIST	Ambient Mass Spectrometry Imaging for Live Cells and Tissues: A Possibility for Mass Spectrometry Endoscope	
164	Ki Jisun	Yonsei University	Molecular beacon-functionalized gold nanoparticle as miRNA detecting probe for cellular classification in gastric cancer.	●
202	Min Young Song	Korea Institute of Science and Technology (KIST)	Enhanced and specific photokilling of target bacteria by using TiO2-DNA aptamer nanobio-conjugates	●
215	Hyangah Chon	Hanyang University	Clinical application of SERS-based immunoassay for early diagnosis of rheumatoid arthritis	●
230	Changyoon Baek	Chung-Ang University	The bacterial adsorption on nano graphene oxide coated micro beads for molecular diagnosis	

234	Yuna Kim	Seoul National University	Monitoring amyloid-β aggregation using dark-field microscopy and altering aggregates structures with plasmonic	●
251	Hyunmin Cho	BioNano Health Guard Research Center	Electrical identification of influenza virus using nanogap electrodes and gold nanorods	
287	Kyeong-Jun Kim	Sogang University	Metallic nanoparticle synthesis based on intracellular formation process of living human cells	●
291	Jisang Yoo	Korea Advanced Institute of Science and Technology (KAIST)	Cleavable branched modified R9 cell-penetrating peptides as an efficient gene delivery platform	●
304	Hyeokjune Choi	Korea Advanced Institute of Science and Technology (KAIST)	Fabricating Extended GFP Polymers as multivalent scaffolds for virus detection	
307	Mi Jeong Kim	Department of Nuclear Medicine、 Cancer Research Institute、 Seoul National University、 Seoul、 110-	PET imaging of 64Cu-NOTA-aptide targeting tumor-associated fibronectin extra domain B in mice	
311	Kyoung Suk Kang	a Department of Chemical and Biomolecular Engineering、 KAIST	Development of Fe-aminoclay conjugated with carbon dot for potent bioimaging and cancer therapy	
320	Geon Go	Dongguk University、 Seoul	ScFv-Ferritin as a Novel Targeted Nanocage with High Antigen-binding Affinity	●
326	Seon Young Lee	Dongguk University、 seoul	Development of Functional Peptide Modified Ferritin Nanocage as a Novel Antibody-Drug Conjugate (ADC) Platform	●
401	Jin-Kyoung Yang	Seoul National University	Disassembly-driven Fluorescence Turn-on of Disulfide-bridged Graphene Oxide-Peptide Assembly for MMP-2 Detection	●
408	Aastha Kukreja	Yonsei University	A robust scaffold for multimodality、 composed of a plasmonic gold core and a mesoporous Fe3O4 shell	●
417	Myung Geun Song	Department of Nuclear Medicine and Cancer Research Institute、 Cancer Imaging Center、 Seoul	Lactosaminated-HSA enhanced the targeting ability to asialoglycoprotein receptor positive tumors	●
433	Han Young Kim	Seoul National University	Feasibility study of photo-acoustic Imaging for in vivo tracking of graphene oxide nanomaterials	
450	Sora Noh	Korea University	Enzyme Coatings on Polymer Nanofibers with Varied Conjugation Site Concentrations	●
451	Jisung You	korea university	Trypsin Coated Electrospun and Alcohol-Dispersed Polymer Nanofibers for a Enzyme Column	●
491	Hye-Ji Choi	Ajou University	Crystal structures of heterodimeric Fc reveal the molecular basis for favoring the heterodimer formation	●
492	In Ho Choi	Pohang University of Science and Technology (POSTECH)	Sub-nanoliter liquid dispensing system for protein microarrays	●
514	Jueun Jeon	Sungkyunkwan University	pH-Responsive Hyaluronic acid-Based Nanoparticles for Treatment of Rheumatoid Arthritis	
552	Sungi Kim	Seoul National University	In situ Monitoring and Analysis on Interactions between Single Plasmonic Nanoparticles on Fluidic Lipid Bilayer	●
556	Kyung Oh Jung	Biomedical Sciences、 Department of Nuclear Medicine、 Cancer Research Institute、 Tumor	In vivo bio-distribution of exosomes derived from breast cancer cells using NIR and PET imaging	●
593	Euiyeon Lee	Dongguk University	Traceless and site-directed fluorescent labeling of transmembrane proteins in live cells	●

597	Hyunjin Jeon	Dongguk University	Cytotoxicity assays using surface charge-modified gold nanoparticles	●
609	Park Chan Yeong	Nanobiochemistry Labatory	Label-free Colorimetric Detection of Salmonella Based on Enhancement of the Peroxidase Activity using Aptamer-adsorbed	●
650	Seshadri Reddy Ankireddy	Gachon University	Development of Quantum Dot Biosensor for the Detection of Anandamide	
656	Ajay Kumar Yagati	Gachon University	Impedimetric Sensor for TNF-α Based on Reduced Graphene Oxide Nanoparticle Modified Electrode Array	
660	Farzana Alam	Seoul National University	Functionalized Heparin-Protamine Based Self-assembled Nanocomplex for Efficient Anti-angiogenic Therapy	●
686	Eunjung Lee	Center for Theragnosis、 Korea Institute of Science and Technology	Co-delivery of chemosensitizing siRNA and an anticancer agent via multiple monocomplexation–induced hydrophobic	●
694	Jamin Kim	Sogang University	Development of an Albumin-based Drug Carrier for Combinational Therapy and Photoacoustic Imaging	
701	Ho Kyung Ko	Korea Institute of Science and Technology (KIST)	Engineered protein nanoparticles for in vivo tumor detection	●
726	Sung Hee Chung	Chung-Ang University	The effect of chemical and physical characteristics of nano graphene layer on the epithelial cell behavior	
733	Goro Choi	Korea Advanced Institute of Science and Technology (KAIST)	Centrifugal direct RPA microdevice for a multiplex and real-time food poisoning bacteria detection	●
760	Jeong uk Choi	Seoul National University	Surface Modification of Spherical Gold Nanoparticles with Deoxycholic Acid to Enhance Gastrointestinal Absorption of	●
768	Jeong-Min Lee	Konkuk University	Protective effect of maghemite coated betonite nanoparticles against ultraviolet radiation	●
778	Junghyo Yoon	Korea University	Tunable sheath-free focusing with ion concentration polarization	●
795	Juhui Ko	Hanyang University	Nanoplasmonic Biosensing for Quantitative Detection of Food Toxin	●
816	Jong Wook Hong	Hanyang University	Nanoliter-scale Draining channles for Microparticle Sorting	
830	Jimin Yu	Department of Bionano Technology、 Hanyang University、 Sa-1-dong 1271、	Highly sensitive SERS-based detection of prostate cancer RNA marker PCA3 by using sandwich hybridization assay	●
843	Ilhwan Park	Gachon University	Development of Data Acquisition Board Based Bioimpedance Measurement System for Electric Cell Substrate Impedance Sensing	●
864	Jaewoong Choi	Hanyang University	Enhanced Size-based Separation of Circulating Tumor Cells from Whole Blood Using Lateral Flow Microfluidic Device with	●
867	Kie Moon Woo	Korea University	Enzyme Coatings on Magnetic Nanoparticles for Rapid Protein Digestion in Proteomic Analysis	
877	Seong Hee Kang	Konyang University	Radio-chemotherapy by using dihydroartemisinin- loaded poly (lactic-co-glycolic acid) nanoparticles	●
879	Hong-Hoa Hoang	Ewha Womans University	Formation of Tumor Spheroids on a microfluidic cell culture device incorporated with micropillars	●

885	Junghong Park	Pohang University of Science and Technology (POSTECH)	Development of colorimetric sensor for nitric oxide based on gold nanoparticles	●
952	Jun-Young Park	Nanomedicine Laboratory、Department of Molecular Medicine、 School of Medicine、	Rho A expression of human mesenchymal stem cells on carbon nanotube-polymer composites	●
1023	Sung-U Kim	Gwangju Institute of Science and Techology (GIST)	An antibody–magnetic nanoparticle conjugate based Selective filtration method for the rapid colorimetric detection of Vibrio	●
1060	Mira Cho	Department of Chemical and Biomolecular Engineering、 Yonsei University、Seoul 120-749、	Fabrication of Directional Fibrous Scaffolds by Self-bundling Electrospinning for Neural Tissue Engineering	●
1069	Dong Sup Kim	Korea Univ	Development of mediator in EFC system by optimal composition of cobalt coating	●
1112	Jinkyu Roh	Korea University	Toward Translation Value of Diagnostic Diacetylene Liposomes	●
1162	Sang Cheol Eum	Chosun University	Fabrication of nanoscale hydroxyapatite/wollastonite biocomposite coatings on the zirconia by room	
1176	Dong Wook Lee	Hanyang University	Detection of CA125 oral cancer biomarker by using three-dimensional network of carbon nanotubes in microfluidic system	
July 3(Fri.)				
3	Naeun Oh	Ewha Womans University	In situ measurement of contractile force generated by myotubes using microfluidic cel culture devices with soft microposts	●
14	Wangsik Lee	BioNanotechnology Research Center、 Korea Research Institute of Bioscience and Biotechnology &	Fluorescence in situ hybridization for detection of antimicrobial drug-resistant bacteria by nanoparticles	●
23	Sihwa Joo	BioNano Health Guard Research Center、 Korea Research Institute of Bioscience and Biotechnology	Nanoscopic investigation of mechanical properties of Z-DNA bound to the viral protein of vaccinia virus by using magnetic	
42	Sun-Jung Kim	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Targeted breast cancer imaging using self assembled polyfructose nanoparticles	●
43	Pan Kee Bae	BioNano Health Guard Research Center	Biomedical applications of bimodal perfluorocarbon nanoemulsions	
45	Seon Ae Choi	Korea Research Institute of Bioscience and Biotechnology (KRIBB)	A naphthalimide-based fluorescent sensor for selective detection of hydrogen sulfide in living cell	●
58	Yeong Ah Cheon	Sogang University	Reduced graphene oxide nanosheet for chemo-photothermal therapy of tumors	●
60	TaeHyeon Kim	Sogang University	Development of microfluidic LED sensors	●
68	Haneul Yoo	Seoul National University	Nano-storage wires for the controlled release of biochemical Materials	●
84	Yonghee Kim	Sungkyunkwan University	Enhanced neural differentiation of human adipose tissue-derived stem cells (hATSCs) using microfluidic cell culture system	●
96	Taeksu Lee	Yonsei University	Consecutive Photothermic Driven Drug Release System with Wire-Framed Au Nanobundles	
99	Seoyeon Choi	Yonsei University	Smartphone reader for cortisol detection from human salivary using lateral flow assay (LFA).	

110	Yasuhiro Matsuda	Department of Restorative Density、 Hokkaido University Graduate School of Dental	Quantitative analysis of fluorine uptake in pre-demineralized enamel from filling materials	
170	Saori Miyata	Department of Periodontology and Endodontology、 Hokkaido University Graduate School of	Efficiency of materials containing S-PRG filer in preventing demineralization of the root dentin after material removal	
180	Yonghyun Choi	Gachon University	Optical and Electrical Characterization of Effect of Hydrogen Peroxide on Cell Behaviors using Indium Tin Oxide Based Cell	●
183	Yun Suk Huh	Inha University	Water-soluble magnesium phyllosilicate for self-assembled precipitation by interaction with dyes	
197	Koichi Nakamura	Hokkaido University	Evaluation of tooth enamel de-mineralization and ion release of fissure sealant	
205	Mohsen Mohammadniaei	Department of Chemical and Biomolecular Engineering、 Sogang University	Recombinant Azurin Immobilized on Nanogap Electrode for Nanoscale Biomemory Application	●
214	Sang-Uk Kim	Sogang University	DNA-recombinant Azurin Conjugation as Biomemory Platform with Enhanced Sensitivity	●
220	Heehong Yang	School of Chemical and Biological Engineering、 Seoul National University	High-performance CNT hybrid structure using human dopamine receptor for protein-based detection of agonists and antagonists	●
229	Sang-yul Lee	Sogang University	Nanoscale peptide film manufacturing to improve a proliferation of neural stem cells on chip	●
241	Si-Youl Yoo	Sogang University	Electrochemical Signal Manipulation by Organic-Metalloprotein-Inorganic Hybrid Materials for Human-inspired Logical Device	
253	Jun Kim	Korea University	Photothermal effect of copper sulfide hexagonal nanoplate	●
308	Wooram Um	Korea Institute of Science and Technology (KIST)	Ultrasound-triggered drug delivery using echogenic glycol chitosan nanoparticles for cancer thearapy	●
324	Haneul Jin	Korea University	Regioselective growth of Au on a PtZn concave nanocube and two different types of heteronanocrystal: Au filled PtZn concave	●
343	Tae Yoon Park	Pohang University of Science and Technology (POSTECH)	Production of a novel silk-like protein from sea anemone and fabrication of wet-spun and electrospun marine-derived silk fibers	●
348	Yeonsu Jeong	Pohang University of Science and Technology (POSTECH)	Mussel adhesive protein-based pH-responsive Fe(III)-DOPA-complexed nanoparticles for drug delivery	●
376	Young Hyun No	Sungkyunkwan University SAINt	Computational Design of Self-Assembling Short Peptide on Primitive Graphene using Molecular Dynamic Simulation	●
378	Kyung Hoon Kim	Korea Advanced Institute of Science and Technology (KAIST)	Rapid、 High-throughput and Direct Molecular Beacon Delivery to Human Breast Cancer Cells using a Nanowire-assisted	●
379	Taemoon Chung	Department of Nuclear Medicine、 Biomedical Sciences、 Seoul National University College of	Visualization of glucose regulated protein 78 expression in glioblastoma using cell penetrating peptide、 Pep42	●
385	SeungHwan Seok	Korea Advanced Institute of Science and Technology (KAIST)	Novel Multifunctional Polyurethane sponge for PCR enhancement	
406	Siyeon Lee	Yonsei University	In vivo tracking of fluorescently labeled stem cells in a mouse hindlimb ischemia model	●
420	Youngeun Kwon	Dongguk University	Photo-controlled fluorescent labeling of recombinant proteins for live cell imaging	●

437	Yousaf Iqbal	Kyungpook National University	Core-shell Silica-coated Iron Oxide Nanoparticles for Magnetic Hyperthermia	●
444	Wenlong Xu	wenlongxu2009@163.com	Folic modified Gd2O3 Nanoparticles as the Cancer Cell Targeting MRI Contrast Agent	●
445	Xu Miao	Kyungpook National University	Biological molecules as storage of Gd2O3 nanoparticles: synthesis、 characterization、 and application to magnetic resonance	●
469	Seong-Min Kim	Gwangju Institute of Science and Techology (GIST)	Developmental Control of Primary Hippocampal Neurons via Nanoscale Topographic Stimulation	●
471	Min-Jae Lee	Catholic University of Daegu	Preparation and characterization of ophthalmic materials containing nanoparticles and iodine-substituted aniline	
479	Jisoo Park	Sunkyunkwan University	Fabrication and Characterization of Amine Functionalized Plasma PEG Film by Using Plasma Co-Polymerization	
493	Geoncheol Jo	Sungkyunkwan University	Magnetic nanoparticle clusters for selective detection of pathogenic bacteria	●
557	Suhee Kim	Kyungpook National University	Separation of differently sized gold nanoparticles using gel electrophoresis and their applications	●
565	Ji Hun Kim	Sungkyunkwan University	Engineering Peptide-Single Wall Carbon Nanotube Superstructure as a Template of a Nanoparticle Array for Enhancing Oxygen	
627	Yi-Seul Jo	Graduate School of Mechanical Engineering、 Sungkyunkwan University	Numerical study on the evaluation of detection performance of the Bio-Fluorescence Sensor	●
629	Satoshi TSUCHIYA	Hokkaido University	Size、 Morphology and Surface Property Effects of Ceramics Nanoparticles on their biocompatibility	
744	Wonyong Lee	Center for Theragnosis、 Biomedical Research Institute、 Korea Institute of Science and	Sequential Treatment of Glycol Chitosan Based Nanomedicines for Effective Tumor Treatment	●
796	Rui Wang	Hanyang University	Highly Sensitive Detection of Estradiol in Human Serum Using SERS-based Competitive Immunoassay	●
815	Soojeong Shin	Hanyang University	2-Dimensional Particle Separation in a Microfluidic Device	
824	Kyuri Kim	Korea Advanced Institute of Science and Technology (KAIST)	Synthesis of Mucoadhesive Chitosan via Catechol Conjugation	●
851	Shin Hye Kim	Korea Research Institute of Standards & Science (KRISS)	Bacterial analysis By Laser Desorption Ionization Mass Spectrometry (LDI-MS) From Various Surfaces.	●
882	Seong Pyo Hong	Department of Medical Science、 College of Medical Science、 Konyang University	FA-PEI/NaGdF4:Ce3+、 Ln3+ Nanocrystals for Cancer targeting X-ray Photodynamic therapy	●
919	Yuntae Kim	Gachon University	Focused ion beam based-fabrication and electrical impedance characterization of sub-micro pore membrane	●
927	Soo Han	Korea Institute of Machinery and Materials (KIMM)	Transparent anti-biofouling surface	●
934	Jun Hyuk Bae	Sogang University	Microfabricated arrays for neurodegenerative disease applications	●
954	Yeon Kyung Lee	Nanomedicine Laboratory、 Department of Molecular Medicine、 School of Medicine、	Efficacy of doxorubicin-carbon nanotube on lung cancer cells	

962	Rimi Lee	Korea Research Institute of Standards and Science	Distinguishing cellular pathway of nanoparticles by real time measurement of capacitance sensor array	
987	Sujeong Shin	National Nonofabriction Center (NNFC)	Self-balancing jig for uniform bonding of microfluidic device with ultrasonic bonding method	
1065	Heekyeong Park	Kyung Hee University	Layered Semiconducting MoS2 Transistors for Highly Sensitive Biological Detection	●
1091	Sang Min Park	Pohang University of Science and Technology (POSTECH)	A microfluidic device integrated with a free-standing nanofiber membrane by electrolyte-assisted electrospinning	●
1109	Hyunjae Lee	Seoul National University	Microfluidic chip to investigate synergism of biomechanical and biochemical factors on angiogenic sprouting	
1165	Seung-hyun Kim	Department of Chemical and Bimolecular Engineering、 Yonsei University	Regulation of Neurophere Formation by Using Spheroform Theree-dimension Cell Culture System.	
1190	Shigeaki Abe	Hokkaido University	Preparation of surface-modified fullerene C60 microparticles for bioapplications	

NANO KOREA 2015 Poster Presentation Schedule

TS 06. Nano Energy Conversion & Storage

- Set-up : July 1(Wed.) - July 2(Thu.) 08:00-08:45
- Tear-down : July 1(Wed.) - July 2(Thu.) 15:00-17:00
- Presentation : July 1(Wed.) - July 2(Thu.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 1(Wed.)				
6	Eo Jin Lee	Seoul National University	Preparation and characterization of nitrogen-enriched carbon aerogel as a supercapacitor electrode material	
65	Manasa K. Rath	Division of Advanced Materials Engineering、 Chonbuk National University、 Jeonbuk、 561-756	Catalytic activity of Pd- or Co-Ni-Mo-impregnated Sr2FeMoO6-δ double perovskite anode materials for solid oxide	●
69	Mi-Jai Lee	Korea Institute of Ceramic Engineering and Technology (KICET)	Catalysts Characteristics of Ni/YSZ Core-Shell according toPlating Conditions using Electroless Plating	
90	En Mei Jin	Chungbuk National University	Hydrothermal carbon nanosphere (CNS) based CNS/S composite as a cathode material for Lithium-sulfur batteries	●
111	Young-Hoon Chung	Korea Institute of Science and Technology (KIST)	Oleylamine modified Pt nanoparticles for the oxygen reduction reaction	●
121	Sae Hume Park	Korea Institute of Science and Technology (KIST)	Anodic behavior of a cobalt-based oxygen evolution catalyst from structure modification	●
125	Weibin Zhang	Department of Physics、 Dongguk University	Ti decorated graphitic carbon nitride monolayer as a promising new hydrogen storage media	●
153	Inyeong Park	Inha University	Preparation and Electrochemical properties of Pt-Ru/Mn3O4/C Bifunctional Catalysts for Lithium-air Secondary Battery	●
171	Seungjoon Sun	Kunsan Jeil High School	Effects of graphene as a conductive filler on the positive electrodes with Li2MnSiO4 for Li-ion batteries	
206	Hyelee Park	Inha University	Synthesis of RuO2/MnO2/Carbon Catalysts for Rechargeable Lithium-Air Battery	●
292	Areum Jun	Ulsan National Institute of Science and Technology (UNIST)	Structural、 Electrical、 and Electrochemical Investigation of Fe Doping on Layered Perovskite Oxides as Cathode Materials for	●
293	Joonmok Shim	Korea Institute of Energy Research (KIER)	Carbon fiber electrode with Au nanostructures for a vanadium redox battery	
310	Eun-A CHO	Inha University	Electrochemical Performance of Pitch-based Activated Carbon Fibers for Anode Electrode in Supercapacitors.	●
356	Soon-Ki Jeong	Soonchunhyang University	Effects of electrolyte concentration on nanofilm formation on graphite surface in ethylene carbonate-based solutions	●
388	Soo-Young Cho	Hanyang University、 Korea Institute of Science and Technology (KIST)	Roles of Anisotropic Strain in the Oxygen Transport of La0.875Sr0.125CoO3 Perovskites	●
393	Anh Tuan Trieu	Department of Chemical and Biological Engineering、 Gachon University、 Republic of Korea	Preparation of La/Ce/Mg/Ni-based anode catalyst for simulated biogas-fueled solid oxide fuel cells	●
422	In Young Cha	Korea Institute of Science and Technology (KIST)	Synthesis of carbon supported Platinum nanoparticles via sputtering onto liquid and their oxygen reduction activitieis	●

428	SangHyun Lee	Hanyang University	Fabrication of cobalt oxide nanoparticles on flexible carbon paper by intense pulsed light (IPL) for supercapacitor electrode	
440	Kang Taek Lee	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Nano-tailoring of composite electrode structures via infiltration process for low temperature solid oxide fuel cells	●
448	Young Jun Kwak	Chonbuk National University	Enhancement of the Dehydriding Rates of MgH2 by Adding Ni via Reactive Mechanical Grinding	
449	Yeageun Lee	Seoul National University	The role of anodic aluminum oxide to enhance thermo-mechanical stability of solid oxide fuel cell cathodes	
458	Jun Hwan Kim	Department of Chemical Engineering、 Soonchunhyang University	Nano-structural changes in interfacial films between graphite and propylene carbonate-based solutions	●
462	Ho-Sung Kim	Korea Institute of Industrial Technology (KITECH)	Synthesis and electrochemical characteristics of nano-sized LiMnPO4/C composite materials with a high capacity	●
463	Hee-Young Park	Korea Institute of Science and Technology (KIST)	Characterization of Phosphoric Acid Coverage on Pt/C Using a combination of in-situ X-ray Absorption Spectroscopy and	
503	Juhae Jung	Korea Institute of Science and Technology (KIST)	Durability of polymer electrolyte membrane fuel cell under differential pressure cycle	
528	Youngmin Kim	School of Materials Science and Engineering、 Gwangju Institute of Science and Technology (GIST)、	MnCo2O4 Nanowires on Reduced Graphene Oxide Sheets as Effective Bifunctional Catalysts for Li-O2 Battery Cathodes	●
534	Mi Ri Kim	BK21 PLUS Center for Advanced Chemical Technology	Nickel manganese oxide nanostructures supported on hierarchical porous carbon for high-performance supercapacitor	●
540	Dong Yo Sin	Seoul National University of Science and Technology (SEOULTECH)	Synthesis of porous carbon nanofiber supported Pt catalysts for improved methanol electrooxidation	●
541	Seona Kim	Ulsan National Institute of Science and Technology (UNIST)	Optimization of cathode microstructure with nano-structured double perovskite through infiltration for Intermediate Temperature	●
549	Sun-Hwa Yeon	Korea Institute of Energy Research (KIER)	Reduced Graphene Oxide induced from porous graphite for electrochemical capacitor electrode	
559	Min-Jae Lee	Gyeongsang National University	Electrochemical properties of Si film electrodes grown on current collectors with CuO nanoflower structures for Li ion battery	●
576	Joel Renaud Gnidakouong Ngouanom	INHA University	Design and Fabrication of Graphene Nanoplatelet/Cellulose nanofiber Composite for supercapacitor	●
628	Kug-Seung Lee	Pohang Accelerator Laboratory	Effects of Ag-Embedment in LiMnPO4 for Cathode Materials of Li Ion Batteries	
631	Seoung-Ju Lee	Hanyang University	Computational analysis of structural parameter effect on performance of Solid Oxide Electrolyzer Cell	
634	Zuhyoun Vahc	Hanyang University	The Impact of the Sulfur Poisoning in Solid Oxide Fuel Cells using Hydrocarboneous Fuel Gas	
635	Beom-Soo Koh	Hanyang University	Fabrication of the Nano sized Dense Structured Catalyst layer of PEMFC MEA prepared by electrostatic spray deposition	
636	Tae-Hyun Kim	Department of Chemical Engineering	Solvent effect on the water uptake behavior of catalyst layer for proton exchange membrane fuel cell applications	
653	Chang Yong Park	Hanyang University	Fabrication of cobalt oxide nanostructures on graphite felt using intense pulsed light (IPL) Technique as electrode for flexible	●

665	Hyun Kim	Kumoh National Institute of Technology	Graphene oxide/Cu2Te photocathode for solar hydrogen evolution	
731	Yeon Hun Jeong	Korea Institute of Science and Technology (KIST)	An investigation of degradation in phosphoric acid doped polymer fuel cells: colorimetric determination of phosphoric	●
775	Kyeounghak Kim	University of Seoul	Density functional theory study of surface oxygen incorporation mechanism on the yttria-stabilized zirconia	●
780	Jeonghyun Ko	University of Seoul	Trends in CO2 dissociation on binary transition metal surfaces: A DFT study	
783	Ho Seong Song	University of Seoul	First-Principles Study of TBM and THT Adsorption on Modified ETS-10	
788	Si-Won Kim	Korea Institute of Science and Technology (KIST)	Electrochemical performance and stability of nano-structured solid oxide cell fuel-electrode fabricated by infiltration	●
797	H. Y. Yoo	Hanyang University	Crosslinkable Nafion membrane for vanadium redox flow battery by using layer by layer assembly	
810	Jong-Keun Ha	Gyeongsang National University	Preparation of Si thin film electrode on patterned Cu current collector and its electrochemical properties	
812	Bo Hyun Hwang	University of Seoul	Density functional theory study for resisting sulfur poisoning on Ni-based bimetallic alloy	
814	Hyunguk Kwon	University of Seoul	First-principles study for cation segregation phenomena in SOFC cathode materials	
818	Jung hoon Park	Korea Institute of Science and Technology (KIST)、 Korea Advanced Institute of Science and	Grain size effect of Ni-YSZ composite anode for Low-Temperature Solid Oxide Fuel Cells (LT-SOFCs)	●
842	Jae-Deok Jeon	Korea Institute of Energy Research (KIER)	Effect of organic/inorganic additives on electrolytes for an all-vanadium redox flow battery	
862	WonBin Ju	Korea Institute of Industrial Technology (KITECH)	Electrospun PVdF Nano Fiber Web as Separator for Lithium Ion Batteries: Effect of Separator Thickness	
863	Duck Rye Chang	Korea Institute of Industrial Technology (KITECH)	Electrochemical characterization of ceramic/nanofiber composite separator for lithium ion batteries	
874	Hyekyoung Kim	University of Science and Technology	Fabrication of Si-Graphene composite as anode materials for Li ion batteries	●
876	Sanwi Kim	Korea Advanced Institute of Science and Technology (KAIST)	Development of quantitative adhesion measurement method for SOFC	●
878	Hyeonwoo Joo	Gyeongsang National University	Enhanced electrochemical properties of LiCoO2 thin film electrode prepared by aluminum induced crystallization method	
914	Na-Ri Heo	Korea Institute of Materials Science	Thermoelectric Property of Pulse-electrodeposited Bi2(Te-Se)3 Thin Films	
921	Kiho Bae	Korea Institute of Science and Technology (KIST)	Characterization of Pulsed-Laser-Deposited Protonic Ceramic Thin Films of Various Compositions (BaCe0.85-xZrxY0.15O3-δ)	●
925	Ho-Sung Noh	Korea Institute of Science and Technology (KIST)	GDC/YSZ/GDC Tri-layer Thin-film Electrolyte for Solid Oxide Fuel Cell	●
961	Hyewon Ryoo	Korea Advanced Institute of Science and Technology (KAIST)	Frenkel-Defect-Mediated Chemical Ordering Transition in LiNi0.5Mn1.5O4 Spinel	●

965	Luojiang Zhang	Department of Mechanical Convergence Engineering、 Hanyang University	3D porous layered double hydroxides grown on nickel foam by liquid phase deposition as advanced positive electrode material for	●
979	Heeyeon Kim	Korea Institute of Energy Research (KIER)	Nano sized metal-carbon hybrid for energy conversion material	●
982	Bonjae Koo	Korea Advanced Institute of Science and Technology (KAIST)	Surface Sr Segregation in Model Epitaxial Thin Film Perovskite Cathodes for Solid Oxide Fuel Cells	●
985	Kyung-Rim Jang	Department of Mechanical Engineering、 KAIST	Moisture-assisted interfacial crack growth of SOFC	●
988	Min Eui Lee	Inha University	Microporous Carbon Nanoplate/Amorphous RuO2 Hybrid electrodes for Supercapacitor	
1007	Myoung Youp Songc	Engineering Research Institute	Hydrogen Storage Characteristics of Mg、 Mg-5TaF5、 and Mg-5NbF5 Prepared via Reactive Mechanical Grinding	
1013	Siwon Lee	Korea Advanced Institude of Science and Technology	Sintering-resistant Pt@CeO2 Nanoparticles for a CO Oxidation Catalyst	●
1022	Ho-Sung Yang	Seoul National University	Fabrication of carbon nanofibers with multi-cahnneled silicon via coaxial electrospinning and their electrochemical properties	●
1058	Ja Yang Koo	Sungkyunkwan University	Enhanced performance with interlayer of YSZ nanofibers in solid oxide fuel cells	●
1064	Bon-Ryul Koo	Seoul National University of Science and Technology (SEOULTECH)	Electrochemical characterization of carbon-coated SnO2-Co3O4 composite nanowires for lithium-ion batteries	●
1087	AhReum Jang	Department of Materials Science and Engineering、 Korea Advanced Institute of Science and	Study of sinterability of a stabilized δ-Bi2O3: particle size、 sintering temperature and time effects	●
1092	Yuvaraj Haldorai	Department of Energy and Materials Engineering、 Dongguk University-Seoul	Tin oxide nanoflowers decorated reduced graphene oxide composites as an electrode materials for supercapacitors	
1098	U Hyeok Choi	Functional Composites Department、 Korea Institute of Materials Science	Ion Conduction and Dielectric Properties of Epoxy-based Structural Polymer Electrolytes	
1105	Han Gil Seo	Korea Advanced Institute of Science and Technology (KAIST)	Investigation of Nanostructured Pt/Doped CeO2 Composite Films for Micro SOFC Cathodes	●
1155	Mingi Choi	Sungkyunkwan University	Enhanced polarization resistance with Ag grid structure at electrode/ electrolyte interface in low temperature solid oxide fuel	
1156	Hyun Hee Kim	Korea Institute of Energy Research (KIER)	Investigation of temperature effect on electrical properties of Ni catalytic graphitized materials based on cellulose by	●
1182	Suhyun Han	Yonsei University	Chemically grown copper-nickel hydroxides thin film electrodes for high performance supercapacitors	
1198	Manjin Kim	Korea University	Treatment of Nano-Granular Gadolinia-doped Ceria Interlayers for Enhanced Oxygen Reduction Reaction in Solid Oxide Fuel Cells	●
1199	Dong Young Jang	Korea University	Nanoengineered Pt/ALD Ru Anode for Direct Methanol Solid Oxide Fuel Cells	
July 2(Thu.)				
7	Jeong Kwon Kim	Seoul National University	Catalytic decomposition of phenethyl phenyl ether to aromatics over Pd-Fe bimetallic catalysts supported on ordered mesoporous	

25	Kee-Jeong Yang	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Sodium effects on absorber and window layer of CZTS thin-film solar cell	
74	Jong Won Lee	Seoul National University	Direct synthesis of hydrogen peroxide from hydrogen and oxygen over shape-controlled palladium catalysts	
77	Jinyong Choi	Department of Electrical Engineering、 Korea University	Flexible thermoelectric generators consisting of CMOS-compatible silicon nanowires	●
108	Min-Jae Choi	Korea Advanced Institute of Science and Technology (KAIST)	Enhancing photocarrier collection in colloidal quantum dot solar cells by heavily doping the metal oxide layer	●
115	Soo-Kil Kim	Chung-Ang University	Electrochemical Conversion of Carbon Dioxide to Formic Acid on Sn-Zn Alloy Electrode Prepared by Electrodeposition	●
134	Jae Hyun Han	KAIST(Korea Advanced Institute of Science and Technology)	Flexible Single Crystalline PMN-PT Thin Film Nanogenerator and Its Application for Self-powered Cardiac Pacemaker	●
161	Sang-Hoon Lee	Korea Advanced Institute of Science and Technology (KAIST)	High efficiency and stability of inverted small molecular organic solar cell using an optical spacer with p-type doping	
199	Hyeyoung Shin	Korea Advanced Institute of Science and Technology (KAIST)	Theoretical Insights into Electrochemical Reduction of Carbon Dioxide Using Metal Catalysts	●
210	Hoon Jung	Pusan National University	Aerosol Patterning of Multiwalled Carbon Nanotubes for Assembling the Counter Electrode of Dye-Sensitized Solar Cells	●
221	Sae Rom Seo	Korea University of Science and Technology	Performance Evaluation of Micro Thermoelectric Generators using Thin Films	●
227	Dohyuk	Department of Chemical and Biomolecular Engineering、 Yonsei University	Effects of Carbon Hybridization of PEDOT:PSS on the Power Factor of Thermoelectric Energy Conversion	●
242	ARa CHO	Korea Institute of Energy Research (KIER)	Characteristics of CuSbS2 Thin Films Using Two Different Types of Hybrid Inks	
245	Jae Young Bae	Keimyung University	The Effect of Scattering Layer on the Performance of Dye-Sensitized Solar Cells Using Nitrogen Doped TiO2 Hollow Spheres	●
250	Jung Joon Lee	Yonsei University	Simultaneous enhancement of the efficiency and stability of organic solar cells using PEDOT:PSS grafted with polymeric additive	●
252	Jung-Sik Kim	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Zn(O、S) buffer layers by atomic layer deposition for CZTS thin film solar cell	●
258	Yoonbeom Park	Korea University	Characteristics of fully transparent thermoelectric devices constructed with ITO and electrospun ZnO nanofibers	●
259	Seunggen Yang	Korea University	Effect of inserted Ag nanoparticle-thin films on thermoelectric characteristics of HgTe nanoparticle-based thermoelectric devices	●
265	Sanghoon Lee	Korea University of Technology and Education	Self-powered photoelectrochromic devices composed of dye-sensitized TiO2 and WO3 layers	
316	Ji Hoon Kim	Pusan National University	Photovoltaic Performance of Dye-Sensitized Solar Cells in Various Light-Intensity and Temperature Environments	
323	Chang Kyu Jeong	Korea Advanced Institute of Science and Technology (KAIST)	Topographically-Designed Triboelectric Energy Harvester via Block Copolymer Self-Assembly	
334	Rina Pandey	Convergence Technology Research Division、 Korea Institute of Science and Technology (KIST)/	Study about the effect of an ultrathin nickel oxide hole extraction layer on P3HT: PCBM bulk hetero-junction solar cells	●

400	Yunae Cho	Ewha Womans University	Nanoconical frustum array Si solar cells: enhanced optical absorption and efficient collection of photo-excited carriers	
409	Ji-Won Seo	Korea Advanced Institute of Science and Technology (KAIST)	A Correlation between charge transfer state and mobility in low donor concentration inverted organic solar cells for higher	
410	Young-Joo Eo	Korea Institute of Energy Research (KIER)	Fabrication and Characterization of a SnS Absorber Layer for Solar Cell Application via Non-Vacuum process	●
430	Sung-Min Kim	Sungkyunkwan University	Numerical study of two-phase adiabatic flow in a micro-channel	
460	Byoung-Soo Ko	Daegu Gyeongbuk Institute of Science and Technology	Effects of in-situ post annealing on structural and electrical properties of Cu(In、Ga)Se2 thin films	
478	Chan Ho Jung	Graduate School of EEWS、 Korea Advanced Institute of Science and Technology (KAIST)、 Daejeon	Catalytic Properties of Pt-TiO2、 Pt-SnO2、 and Au-TiO2 Nanosponge; CO Oxidation and Water-splitting Studies	●
481	Kalyan C Goddeti	Korea Advanced Institute of Science and Technology (KAIST); Institute for Basic Science (IBS)	Metal – Insulator – Metal (MIM) Nanostructured Architectures for Energy Applications Utilizing Surface Plasmon Driven	●
515	Kyongmin Kim	University of Seoul	Thermoelectric properties of Si-based devices with various ultra-thin insertion layers	●
561	Jong Ki Jeon	Kongju National University	Norborandiene dimerization over nanoporous catalysts	
567	Mohammed Nazim	Chonbuk National University	Novel furan-bridged thiazolo[5、4-d]thiazole-based organic semiconductor for solution-processed SMOSCs	●
621	Nhu Thuy Ho	Department of Physics and Energy Harvest-Storage Research Center、 University of Ulsan	Tandem organic solar cells with a PEDOT:PSS/PEI intermediate layer	
623	Il-Han Yoo	Department of Energy Systems Research	Conformal ZnO nanorod/Cu2O、 core/shell structure solar cell by bottom-up RF magnetron sputtering	
652	Sel Gi Ryu	Chonbuk National University	Crystalline Silicon Solar Cells with SiO2 Nanodots Thin Film imbedded in Antireflection Coating Layer	●
658	Trang Thi Thu Nguyen	Ewha Womans University	Relationship between Na incorporation in Cu2SnZnSe4 by Raman scattering micro-crytallity and solar cell parameters	●
667	Gi-Won Yoo	Korea National University of Transportation	A novel approach to improve the electrochemical performance of Ni-rich cathode material by polypropylene coating	●
672	Se-Jung Jang	Department of Physics and Energy Harvest-Storage Research Center、 University of Ulsan	Enhanced Organic Solar Cell Using Cu2ZnSnS4 Nanoparticle	●
675	Narayan Chandra Deb Nath	Nanotechnology Research Center & Department of Applied Life Science、 College of Biomedical	Effect of Water on the Performance of Dye-Sensitized Solar Cells based on Quasi-Solid State Electrolyte	●
706	Bhaskar Parida	Chonbuk National University	Formation of Nanopyramidal Structures on Si for Solar Cell Applications	●
711	Keunjoo Kim	Chonbuk National University	Fabrication of Heterojunction Si solar cells by Active GaAs/Si Nanostructures	●
725	Jae-Sun Jung	Energy Research Center、 KIST、 Seoul、 Korea	Preparation and Characterization of Co Based Catalyst Supported on Acid/Base Treated γ-Al2O3 for GTL-FPSO Application	●
730	Ji In Park	Clean Energy Research Center、 KIST、 Seoul、 Korea	The surface modification of silica by pH Treatement for appilcation in FTS.	

732	Young-su Noh	Korea Institute of Science and Technology (KIST)	Promotional Effect on Catalytic Activity of Nickel supported Structured Catalyst for Steam CO2 Reforming of Methane	
734	Na Young Kim	Korea Institute of Science and Technology (KIST)	Selective Synthesis of Middle Distillates by FTS with Capsule Type Co-based Mesoporous-Alumina Catalysts	
735	Kwang Hyeok Lee	Korea Institute of Science and Technology (KIST)	Selective Synthesis of Middle Isopaprffines via a Two-Stage Fischer-Tropsch Reaction	
737	Jae Suk Lee	Korea Institute of Science and Technology (KIST)	Characteriztion and Kinetic Studies for the Fischer Tropsch Synthesis over Co/Al2O3 Catalyst	
739	Eun-hyeok Yang	Korea Institute of Science and Technology (KIST)	Preparation & Characterization of Ce Modifed Perovskite Catalysts for the Production of Synthesis Gas in GTL-FPSO	
740	Sung Soo Lim	Korea Institute of Science and Technology (KIST)	Steam CO2 Reforming of Methane Preparation and Characterization of Mesoporous Ni-Mg-Al Catalyst	
741	Gi Hoon Hong	Korea Institute of Science and Technology (KIST)	The role of N2 gas in the FTS reaction over Co/γ-Al2O3 Catalyst	
747	Sang-Yong Lee	Korea Institute of Science and Technology (KIST)	Characteristics of Hydrotalcite-like Catalyst for Catalytic Conversion of Glycerol to 1、2-Propandiol	
749	Sea On Lee	Clean Energy Research Center、KIST	Preparation and Characterization of Cu-based Catalysts for Higher Alcohol Synthesis	●
750	Janardhan L. Hodala	Korea Institute of Science and Technology (KIST)	Modified zeolite characteristics for catalytic Upgrading of Fischer-Tropsch Wax to Middle Distillates	
764	Minjun Park	Department of Mechanical Engineering、 Korea University	Piezoelectricity Enhancement of Biomimetic Films via External Electric Field	●
769	Yoon Soo Han	Catholic University of Daegu	Performance enhancement of dye-sensitized solar cells with KMnO4-modified photoelectrodes	
777	Jin Soo Lee	Gachon University	Enhanced efficiency of phosphors co-doped TiO2 nanoparticle via TiCl4 treatment	●
789	Sang-hwa Lee	Hanyang University	Structures and Electrical Conductivities of Hydrogenated TiZrNiAg Quasicrystals	●
813	Si-Nae Park	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Low-cost nanoporous Cu2ZnSnS4 thin film as counter electrode for dye-sensitized solar cells	
872	Dongwhi Choi	Pohang University of Science and Technology (POSTECH)	Stick-type compact Solid-Water Interacting Triboelectric Nanogenerator (SWING stick)	●
881	Hee Un Kim	Pusan National University	Trimethylsilyl o-xylenyl-substituted fullerene bisadduct as electron acceptor for polymer solar cells	
900	Ulugbek Shaislamov	Jeju National University	Growth of hierarchical CuO/ZnO nanobranched photoelectrode with improved stability for solar hydrogen generation	●
964	Sanghyun Roh	Korea Institute of Materials Sicence (KIMS)	Potential-controlled Electrodeposition of Submicron Lead Selenide Ribbon Defined by Photolithography	
969	Jaeho Choi	Chonbuk National University	Fabrication of Si Quantum Dots in Si-rich SiNx by Plasma Enhanced Chemical Vapor Deposition for Solar Cell Application	●
990	Jongbin Ahn	Korea Institute of Materials Sicence (KIMS)	Synthesis of HoN particles with microwave-assisted route and plasma arc discharge technique	●

1017	Dae-Ho Son	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Precursors' order effect on the properties of sulfurized Cu2ZnSnS4 thin films	
1031	Eun Ju kim	korea linstitute of materials science	Ni-W-P/Cu contact for silicon solar cells by electrochemical deposition	●
1074	Srikanta Palei	Chonbuk National University	GaAs Quantum Dots Nanomosaic Solar Cells with Si Nanotextured Surface	●
1080	Jun-Hyoung Sim	Daegu Gyeongbuk Institute of Science & Technology (DGIST)	Characterization of a Molybdenum Electrode Deposited by DC Sputtering and Post Annealing	
1113	Taeheon Kim	Korea University	200 V Output voltage generation using hydrothermally grown and dispersed low density Zinc oxide nanowires on a 4-inch	●
1122	Byoung-Min Lee	Korea Atomic Energy Research Institute (KAERI)	Enhanced PEDOT:PSS thin films by post-treatment for planar thermoelectrics	●
1144	Myunghun Shin	Korea Aerospace University	Optical model of GZO/Ag/GZO films for transparent-type hydrogenated amorphous silicon solar cells	
1153	Hwichul Yang	Hanyang University	Capacitance effect on power generation with reverse electrowetting-on-dielectric	●
1174	Soonwook Hong	Hanyang University	Power Generation System of Thermoelectric Device using Spontaneous reaction of Catalytic Burner	
1177	Wonchul Choi	Korea Advanced Institute of Science and Technology (KAIST)	Reduction in the thermal conductivity of PtSi/Si laminated structures	
1185	Seung Lee Kwon	Sungkyunkwan University	Preparation of methylamine lead iodide perovskite solar cell by sol-gel process: A new method for obtaining full-coverage	
1189	Young Un Jin	Sungkyunkwan University	Improvement of long-term stability by MgO ultrathin layer for obstructing degradation of perovskite layer	
1205	Chang Young Jung	Hanyang University	New quinoxaline-based Organic sensitizers for DSSC	
1223	Do Kyung Lee	Catholic University of Daegu	Enhancing photovoltaic performance of dye-sensitized solar cells with compact Nb2O5 layer prepared by electron beam evaporation	
1224	Chan Hee Lee	chanhee0758@naver.com	Conductivity enhancement of the Poly(3、4-ethylenedioxythiophene):Poly (styrenesulfonic acid) thin film by thermal annealing in	
1225	Hyunuk Kim	Korea Institute of Energy Research (KIER)	Carbon Dioxide Adsorption of Metal-Organic Frameworks	

NANO KOREA 2015 Poster Presentation Schedule

TS 07. Nano Carbon Technology

- Set-up : July 2(Thu.) - July 3(Fri.) 08:00-08:45
- Tear-down : July 2(Thu.) 15:00-17:00
  July 3(Fri.) 15:00-16:00
- Presentation : July 2(Thu.) - July 3(Fri.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 2(Thu.)				
20	Jeongsu Kim	Department of Physics and Astronomy、 and Institute of applied Physics、 Seoul National	Pristine Semiconducting Carbon Nanotube-based Network Channels with Single CNT-like Characteristics	●
61	Yong Chae Jung	Korea Institute of Science and Technology (KIST)	Flexible Transparent Conducting Film Using Photo-chemically Oxidized Thin-Multi Walled Carbon Nanotubes	
107	Ji Sun Kim	Korea Institute of Industrial Technology (KITECH)	High dispersion of palladium nanoparticle on the acid-functionalized black carbon for hydrogenation of cyclohexene	
127	Eun Jin Son	Korea Advanced Institute of Science and Technology (KAIST)	Self-Adhesive Graphene Oxide-Wrapped TiO2 Nanoparticles for UV-Activated Colorimetric O2 Detection	●
129	Dong Hoon Nam	Hyundai Motor Company	Chemical stability of carbon nanotubes in aluminum matrix for casting process	
130	Hoon Mo Park	Hyundai Motor Company	Thermal properties of carbon nanotubes reinforced Al-Cu matrix nanocomposites	
149	Byung Chul Jang	Korea Advanced Institute of Science and Technology (KAIST)	Interface engineering using multilayer graphene barrier electrode for uniform and reliable polymer memory	
162	Ick-Joon Park	Korea Advanced Institute of Science and Technology (KAIST)	The Effect of N-type Doped Graphene via Cs2CO3 for S/D Electrodes in Amorphous InGaZnO Thin-Film Transistors	●
168	Beom Jun Koo	Korea Advanced Institute of Science and Technology (KAIST)	Flexible unipolar resistive switching memory based on graphene oxide for crossbar array applications	
355	Shih-hsueh Chang	Department of Electronics Engineering and Institute of Electronics、 National Chiao Tung	Oxygen Plasma Functionalized Graphene Oxide Thin Film as Sensing Membrane of Extended-Gate Field-Effect Transistor	●
512	Hokyun Rho	Korea Institute of Science and Technology (KIST)	Microporous Copper-Graphene Heat Sink	●
520	Kuan-Yu Wang	Department of Electronics Engineering and Institute of Electronics、 National Chiao Tung	Atmospheric pressure gas ionization sensor with horizontal-aligned CNT electrodes in planar structure	
577	JUNG SUN LIM	Korea Institute of Science and Technology Information (KISTI)	Quantification Study for Economic Impact of Nanotechnology	
588	Keun-young Park	Korea Institute of Science and Technology (KIST)	UV light triggered self-healing composites based on ZnO-Graphene quantum dots	●
589	Giryeong Kim	Korea Institute of Science and Technology (KIST)	Enhanced tensile strength and self-healing in poly(vinyl alcohol) and graphene oxide composites	●
773	Kihyeun Kim	Gwangju Institute of Science and Techology (GIST)	CO2 gas detection with polymer-functionalized graphene	●
774	Hangil Ki	Gwangju Institute of Science and Techology (GIST)	Water soluble composites of silver nanoparticles and carbon nanotubes as stretchable conductors	●
896	Chul Min Kim	Kyungpook National University	Preparation of CNT wapped micsphere using microfluidic device	●
903	Jungmo Kim	Korea Advanced Institute of Science and Technology (KAIST)	Enhanced Moisture Barrier Performance of Polymer Composite via Utilization of Non-oxidized Graphene Flakes Fabricated	●

920	HongKyw Choi	Electronics and Telecommunications Research Institute (ETRI)	Flexible and transparent graphene gas molecular sensor	
994	Yu-Kai Chiu	National Chiao Tung University	Supercapacitors using horizontally aligned carbon nanotube thin film with plasma treatment as electrodes	●
1103	Hongsig Kang	Chungbuk National University	Study on Availability of Nano-Coated PBD Method in Coastal Reclamation Constructions	
1142	Mirae Kim	Yonsei University	Graphene-Polymer Composite for 3D Printing	●
July 3(Fri.)				
142	Dae Yong Park	Korea Advanced Institute of Science and Technology (KAIST)	Flash lamp-Induced Multilayer Graphene Synthesis for Various Applications	●
169	Young-Wook Ha	Korea Advanced Institute of Science and Technology (KAIST)	Investigation of Cs2CO3 doping effects in CVD grown single-layer graphene	●
178	Hamin Park	Korea Advanced Institute of Science and Technology (KAIST)	Bias stress effect in graphene field-effect transistors based on passivation layer	●
191	Dae Yool Jung	Korea Advanced Institute of Science and Technology (KAIST)	Enhanced graphene quality via control of nucleation density during CVD growth process	
198	No-Hyung	Korea Institute of Industrial Technology (KITECH)	Graphene exfoliation using cavitation effect in DI water	
222	Doyeon Kang	Sungkyunkwan University	Synthesis of Graphene Seeds on Silicon Nitride Using Chemical Vapor Deposition	
416	Si-hoon Jang	Korea Institute of Industrial Technology (KITECH)	Fabrication of CF/CNTs/CF non-woven by wet-laid process for application to thermal emission materials	
547	Kangwook Kim	Korea Army Academy at Yeong-cheon	Preperation of Graphene Oxide Membrane via Peptide Bond formation for Forward Osmosis System Application	
713	Yong geun Kim	Korea University	The study of graphene/graphite thin film etch characteristic using inductively couple plasma for electronic device	●
746	Ngan Thao Quynh Tran	Gachon University	A novel non-enzymatic urea sensor based on La0.5Ce0.5Ni0.8Fe0.2O3-modified-multiwalled carbon nanotube	
757	Cheong Kang	Sookmyung Women's University	Correlating Graphene Domain Shape with Diffusion Energy Barrier of Carbon Adatom on Copper	●
785	Ara Cho	University of Seoul	Density Functional Theory Study of Defective Graphene for Gas Sensing	
827	Jea Uk Lee	Korea Institute of Materials Science	Preparation of High-Performance Graphene Fibers using Diamine Linker	
873	Joo Heon Lee	Hanyang University	Oxygen plasma patterning of transparent, flexible graphene film	●
918	Jin Sik Choi	Creative Research Center for Graphene Electronics, ETRI	Transmittance- and sheet resistance-controlled graphene sheet applicable to transparent conducting electrode (TCE)	●
933	Kwanghee Park	Pohang University of Science and Technology (POSTECH)	Direction-Controlled Chemical Doping for Reversible G-Phonon Mixing in ABC Trilayer Graphene	●
943	Serin Park	Electronics and Telecommunications Research Institute (ETRI)	Controlled n-doping of CVD grown graphene by TiO2	
976	Jae-Kyung Choi	Ulsan National Institute of Science and Technology (UNIST)	Orientation-Sensitive Growth of Graphene on Texture-Controlled Platinum Thin Films and Thermal-Assisted Transfer of Patterned	
1028	Hyunjin Cho	Korea Institute of Science and Technology (KIST)	The study of correlation between growth rate of white graphene (h-BN) and grain orientation of polycrystalline nickel foil	●
1033	Se-Yang Kim	School of Materials Science and Engineering, Low Dimensional Carbon Materials Center, Ulsan	Controllable Synthesis of Graphene Encapsulated, Low-Dimensional Hybrid Nanocomposites	●
1057	Yangjin Lee	Department of Physics, Ulsan National Institute of Science and Technology (UNIST)	Investigation of atomic structures of few-layer black phosphorus using TEM	●
1088	Kyu Seung Lee	Korea Institute of Science and Technology (KIST)	The effect of ultrafast photo-induced charge separation in hybrid ZnO quantum dots and carbon nanomaterials photovoltaic	●
1100	Hyung Duk Yun	Ulsan National Institute of Science and Technology (UNIST)	Enhancement of Electrical, Mechanical and Thermal Properties in Graphene Using Spray-Coated Carbon Nanotubes	●
1135	Sanghoon Cho	Korea National University of Transportation	Molecular Dynamics Simulation of Carbon Nanotube Based Nanogun	●
1138	Eunae Lee	Korea National University of Transportation	Molecular Dynamics Study on Nanoelectromechanical Graphene Nanoribbon Device with Graphene	●
1140	Eun-Ji Ji	Yonsei University	Chemically-induced graphene scrolls for interconnect application	●
1149	Jong-Young Lee	Yonsei University	Direct observation of grain boundaries in chemical vapor deposited graphene without transfer process	●
1158	Jungtae Nam	Sejong University	Quality management of CVD grown graphene	
1188	Kyoung Min Lee	Hyosung High School	Preparation and Properties of Functionalized CNT/Epoxy	●
1220	Giyeol Bae	Hanyang University	Antioxidant properties of graphene and its inherent weakness: A first-principles study	

NANO KOREA 2015 Poster Presentation Schedule

TS 08. Nano Safety

- Set-up : July 3(Fri.) 08:00-08:45
- Tear-down : July 3(Fri.) 15:00-16:00
- Presentation : July 3(Fri.) 11:00-12:00

Submission No.	Presenter	Affiliation	Title	Award Participation
July 3(Fri.)				
188	Chan Woo Park	Korea Atomic Energy Research Institute (KAERI)	Toxicological properties of alkyl grafted poly(2-hydroxyethyl aspartamide) micelles	
212	Min Jeong Son	Korea Research Institute Bioscience and Biothchnology (KRIBB)	Silica nanoparticles inhibits brown adipocyte differentiation via regulation of p38 phosphorylation	●
271	Jin Bae Kim	Hanyang University	Determination of silver nanoparticle species released from textiles into artificial sweat and laundry wash	●
297	Kyung Seuk Song	Korea conformity laboratory	Safety evaluation of silver nanoparticle based on screening of skin、 eye irritation and skin sensitisation In Vivo	●
302	Jae Hyuck Seong	Korea conformity laboratory	90-Day Oral Toxicity Study ofMulti-Walled Carbon Nanotubes (MWCNT) in SD Rats	●
372	Kwan Hyi Lee	Center for Biomaterials、 Biomedical Research Institute、 Korea Institute of Science and	In-vivo Toxicity of Magnetic Nanoparticles in Zebrafish Model	●
394	Jino Son	Department of Environmental and Molecular Toxicology、 Oregon State University	Effect of pH and ionic strength on the fate and toxicity of encapsulated lambda-cyhalothrin to Daphnia magna	●
398	Sungwook Park	Korea Institute of Science and Technology (KIST)	Biocompatibility of Superparamagnetic Ferrite Nanoparticles for in-vivo Hyperthermia Agent Applications	●
476	Jonghoon Park	Hanyang University	Quantitative estimation of cellular Au nanoparticles using flow cytometry	●
484	Tae Hyun Yoon	Hanyang University	Assessment of multiwall carbon nanotube contents in polymer nanocomposite by Raman spectroscopy	●
545	Jin Gyeong Son	Korea Advanced Institute of Science and Technology (KAIST)	Quantitative Study of Silica Nanoparticles using Inductively Coupled Plasma-Optical Emission Spectroscopy	
553	Jae Soon Kang	Korea Institute of Toxicology (KIT)	The profile and comparison of gene expression in zebrafish (Danio rerio) larvae exposed to different sized silver	●
581	Nuri Yang	Hanyang University	3D regression model for the quantitative estimation of cellular Au nanoparticles : Effects of particle sizes、 surface charge、	●
604	Youn-Joo Jung	Korea Institute of Toxicology (KIT)	Toxicity of Carbon nanotubes to freshwater organisms、 Pseudokirchneriella subcapitata、 Daphnia magna、 and Oryzias	●
655	Lee Jae-woo	Risk assessment Division、 National Institute of Environmental Research (NIER)	Bioaccumulation of zinc oxide nanoparticles in a freshwater microcosm system	●
960	Eojin Lee	Center for Biomaterials、 Biomedical Research Institute、 Korea Institute of Science and	3D Bladder-on-a-chip for analysis of the bladder cancer transition mechanism	●
981	Boa Song	Korea Institute of Science and Technology (KIST)	Design and construction of 3D perfusable vascular bed using microfluidic	

1010	Sun-young Park	Risk Assessment Division、National Institute of Environmental Research (NIER)	ZnO nanoparticles dispersions in test media including natural organic matter for ecotological assessment	●
1062	Rosa Kim	Korea Institute of Toxicology (KIT)	A method for assessing acute toxicity of the nanomaterials using dechorionated zebrafish embryo	●
1068	Beom Kang Huh	Seoul National University	Nanoparticle coating on the silane-modified surface of magnesium for local drug delivery and controlled corrosion	
1089	Min-Sook Jeong	Biterials.Co.Ltd.	Physicochemical analysis and repeated-dose 90-days oral toxicity study of nanocalcium carbonate in Sprague-Dawley rats	
1106	Seong Min Hong	Korea Institute of Toxicology (KIT)	Evaluation fate of ZnO Nanoparticles in Aqueous Environments	●
1130	Hyejin Kim	TO21 Co.、Ltd.	Introduction of Nano Safety Information System	●
1163	Il Je Yu	Hoseo University	Risk evaluation of spray containing silver nanoparticles	●
1164	Jin Kwon Kim	Hoseo University	28-days repeated inhalation and 90 days post-exposure study of graphene	●
1166	Tae-Gyu Kim	Hoseo University	Nanoparticle release from consumer products containing nanomaterials: silver nanoparticle release from textiles	●
1167	Eun Kyung Sohn	Hoseo University	Aquatoxicity comparison of standard silica nanoparticles with commercially available silica nanoparticles using freshwater	●
1168	Ellen Kim	Hoseo University	Risk evaluation of printed electronics using nanosilver ink	●
1180	Min-Su Oh	Kyung Hee University	The interaction of Silver nanoparticles with Bovine Serum Albumin in cell culture medium	●
1181	Seok-Won Jang	Kyung Hee University	Gene expression profiling of neurotoxicity from zinc oxide nanoparticles in human neuroblastoma cells	
1184	Ji-Young	Nanomedicine Laboratory、Department of Molecular Medicine、 School of Medicine、	Real time macrophage migration analysis on transparent carbon nanotube/polymer composite nano-film	●
1208	Soojin Kim	Korea Institute of Toxicology (KIT)	High throughput screening for nanoparticles toxicity using 3D cells	
1210	Jung-Hwa Oh	Korea Institute of Toxicology (KIT)	Toxicogenomic approaches for developmental neurotoxicity induced by silver nanoparticles using hESCs-derived	
1226	Yuanzhe Piao	Seoul National University	Simple synthesis of silica based core/shell nanostructured materials for imaging and drug delivery	
1227	Dorjour Khishigmaa	Korea Research Institute of Standards and Science (KRISS)	Development of Detection and Characterization Method for Titanium Dioxide Nanoparticles contained in Donut	
1228	Jiyoung、 Jang	Yonsei University	cDNA microarray analysis of the cytotoxic effect of silver nanoparticles	
1233	Sachin N. Bramhe	Korea Research Institute of Standards and Science (KRISS)	Synthesis of surfactant free SiO2 nanoparticles using focused ultrasonic dispersion technology	
1237	Gwi-Nam Bae	Korea Institute of Science and Technology (KIST)	Nanomaterial release from LDPE-CNT composites by sanding scenario simulation	
1242	Hyeong Jeon An	Pohang University of Science and Technology (POSTECH)	Single nano-particle tracking in a living cell	
1248	Sang Sun Lee	Korea Research Institute of Standards and Science	Size dependence of the magnetic properties of iron-oxide nanoparticles	