

# BIEN 2017 Accepted Abstract List

as of July 24, 2017

No	Abstract No.	Topic	Title	Accept	Last Name
1	AF0557	Basic Science	Smart Current Sensing For Electrical Mining Machines	Accept	PURVEE
2	AF0559	Basic Science	Estimation Unbalance In Rotor Of Induction Motors By Using Vibration Analysis	Accept	TSEDENDORJ
3	AF0560	Basic Science	Evaluation of Power Quality Of Distribution Panel of 0.4 Kv	Accept	KHADBAATAR
4	AF0561	Basic Science	Result of self-report of faculty members on the teaching perspectives inventory	Accept	ORGONTSETSEG
5	AK0029	Basic Science	A case study on the stratospheric influence during tropical cyclone Peipah (2007) formation over the western North Pacific	Accept	CHANG
6	AK0038	Basic Science	Relativistic analyses of intermediate energy proton scatterings from 58Ni	Accept	SHIM
7	AK0097	Basic Science	Approach to analysis of biomedical samples for human exposure to chemical warfare agents	Accept	KIM
8	AK0138	Basic Science	Phylogeographic patterns indicate cryptic species diversity in the red algae <i>Gloiopeltis furcata</i> (Gigartinales) from the northern Pacific region	Accept	YANG
9	AK0279	Basic Science	Dirac phenomenological analyses of proton inelastic scatterings from Ni isotopes	Accept	SHIM
10	AK0416	Basic Science	Hagfishes of the southern sea of Korea: comparison of egg diameter and fecundity between <i>Eptatretus burgeri</i> and	Accept	SONG
11	AF0271	Biotechnology	Microbial Strategy in Recovery of Valuable Metals from E-Wastes	Accept	ILYAS
12	AK0019	Biotechnology	TAZ keeps tcticular structure and function agaisnt aging	Accept	HWANG
13	AK0033	Biotechnology	Enhancement of antitumor efficacy by oral administration of poly- $\gamma$ -glutamic acid ( $\gamma$ -PGA) and human papillomavirus 16 E7-expressing <i>Latobacillus casei</i> in a murine cancer model	Accept	KIM
14	AK0034	Biotechnology	Poly- $\gamma$ glutamic acid/alum modulates the innate immune responses and antigen transport to lymph nodes leading to enhanced efficacy of vaccine	Accept	NGUYEN
15	AK0036	Biotechnology	Complete genome sequence of the <i>Aneurinibacillus soli</i> CB4T from soil of mountain	Accept	LEE
16	AK0037	Biotechnology	Oral administration of poly- $\gamma$ -glutamic acid ( $\gamma$ -PGA) enhances Th1 and CTL immune responses by inducing mobilization and maturation of mucosal dendritic cells	Accept	YANG
17	AK0046	Biotechnology	Development of rice ( <i>Oryza sativa</i> L.) transformation system to improve callus utilization	Accept	PARK
18	AK0053	Biotechnology	Phospholipase C- $\beta$ 1 in the medial prefrontal cortex is responsible for social dominance and working memory	Accept	SEO
19	AK0057	Biotechnology	Identification of novel small molecules that play important roles in cellular reprogramming process	Accept	LEE
20	AK0058	Biotechnology	Plant extracts stimulate the reprogramming of somatic cells to pluripotency	Accept	LEE
21	AK0059	Biotechnology	A potent anti-cancer activity of ethanol extract of <i>Lophatheri Herba</i> by suppression of metastatic and angiogenic potential of malignant cancer cells	Accept	KIM
22	AK0061	Biotechnology	Ethanol extract of <i>Melia Fructus</i> has anti-influenza A virus activity	Accept	JIN
23	AK0068	Biotechnology	Topological effects on the stability of human telomeric G-quadruplexes by molecular dynamics simulations and solvation thermodynamics analyses	Accept	LEE
24	AK0070	Biotechnology	A small molecule library screen identifies a novel small molecule that enhances reprogramming efficiency and iPSC generation	Accept	LEE
25	AK0086	Biotechnology	Combinative toxicity effect of microplastics and silver ion on zebrafish embryo	Accept	JEONG
26	AK0095	Biotechnology	The proposal of Korean Medicine therapy for patients with amyotrophic lateral sclerosis based on the experience and use of complementary and alternative medicine: A Mixed Methods Study	Accept	KIM
27	AK0098	Biotechnology	The role of Pak4 in HIF-1 $\alpha$ accumulation in cancer cells	Accept	KIM
28	AK0107	Biotechnology	Regional differences in antihypertensive drug prescription in Korea.	Accept	SHIM
29	AK0114	Biotechnology	DNA damage-induced apoptosis suppressor (DDIAS), a novel target of NFATc1, is associated with cisplatin resistance in lung cancer	Accept	KIM
30	AK0117	Biotechnology	Regulation of aromatase gene by kruppel-like factor 4 and early growth response 2 during ovulation in rat	Accept	YUN
31	AK0141	Biotechnology	Identification and expression analysis of flavonoid biosynthetic genes in <i>Sophora flavescens</i>	Accept	LEE
32	AK0142	Biotechnology	Lin 28 role in <i>Drosophila</i> testis stem cell niche	Accept	TO
33	AK0193	Biotechnology	Aggregation-Prone Characteristics of Tau Protein in Water: A Computational Study	Accept	BUI
34	AK0201	Biotechnology	Fibroblasts promote tumor cell proliferation, morphology changes and migration	Accept	BAE

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No	Abstract No.	Topic	Title	Accept	Last Name
35	AK0204	Biotechnology	Three-dimensional spheroid-based invasion assay to study the interactions between tumor and immune cells	Accept	LIM
36	AK0210	Biotechnology	Inhibitory inputs generate excitatory thalamic motor signals	Accept	KIM
37	AK0214	Biotechnology	A new scintillation proximity assay-based approach for the detection of KRAS mutations	Accept	LEE
38	AK0215	Biotechnology	The neuroprotective effects of justicidin A on amyloid beta25-35-induced neuronal cell death through inhibition of tau hyperphosphorylation and induction of autophagy in SH-SY5Y cells	Accept	GU
39	AK0226	Biotechnology	A comparison investigation on the binding affinity between cHLH/HDM2 and stapled p53/HDM2	Accept	IM
40	AK0227	Biotechnology	Estimating cell depth from multi-focus microscope images	Accept	CHOI
41	AK0228	Biotechnology	Quantitative analysis of melanin content in three-dimensional melanoma culture: a potential high-throughput screening platform for whitening agents	Accept	LEE
42	AK0269	Biotechnology	Synthesis of Novel Tau Aggregation Inhibitors for the Treatment of Alzheimer's Disease	Accept	LEE
43	AK0304	Biotechnology	Inducing Motor Response of Mouse using Capacitive Micromachined Ultrasonic Transducers (CMUT) Ring Array	Accept	KIM
44	AK0310	Biotechnology	Hdac11 is involved in myogenic differentiation through its enzymatic activity	Accept	LEE
45	AK0311	Biotechnology	Effect of tremella fuciformis as a nutrient supplement for individuals with subjective cognitive impairment	Accept	LEE
46	AK0315	Biotechnology	Crystal structure of the EnvZ periplasmic domain with CHAPS	Accept	HWANG
47	AK0316	Biotechnology	Identification of a neurodegenerative role of soluble CD44 secreted from glioblastoma	Accept	LIM
48	AK0321	Biotechnology	Chiral recognition of amino acids with optically active crown ethers by CE-MS	Accept	LEE
49	AK0326	Biotechnology	Enhancement of the autophagic flux in cortical primary astrocytes is induced by gintonin	Accept	RHIM
50	AK0327	Biotechnology	O-GlcNAcylation modulates physiological properties of neurons in the hippocampus	Accept	CHO
51	AK0329	Biotechnology	Acupuncture lowers blood pressure in mild hypertension patients: A randomized, controlled, assessor-blinded pilot trial	Accept	PARK
52	AK0330	Biotechnology	Overexpression of cyclophilin21-4 (CYP21-4) improves crop production in transgenic potato and rice	Accept	PARK
53	AK0331	Biotechnology	Identification of flowering-related genes responsible for differential expression between two radish inbred lines exhibiting disparate bolting time through comparative transcriptome analysis	Accept	PARK
54	AK0332	Biotechnology	The OsCYP19-4 gene is expressed as multiple alternatively spliced transcripts encoding isoforms with distinct cellular localizations and PPlase activities under cold stress	Accept	PARK
55	AK0333	Biotechnology	Genome-wide Analysis of Alternative Splicing in an Inbred Cabbage (Brassica oleracea L.) Line in Response to Heat Stress	Accept	PARK
56	AK0334	Biotechnology	Isolation of a BTEX-degrading Bacterium, Rhodococcus sp. 24, from a Freshwater and Optimization of Biodegradation Conditions	Accept	JIN
57	AK0337	Biotechnology	Profiling of cuticular wax contents and cuticular wax biosynthesis gene expression in bloomed and bloomless broccoli (Brassica oleracea var. italica)	Accept	LEE
58	AK0339	Biotechnology	Genome-wide gene expression profiling in the aca4 mutant reveal differential regulation of ion	Accept	LEE
59	AK0340	Biotechnology	Complete genome sequence of the Variibacter gotjawalensis GJW-30T from soil of lava forest, Gotjawal	Accept	LEE
60	AK0341	Biotechnology	Integrated analysis of leaf morphological and color traits in different populations of Chinese cabbage (Brassica rapa ssp. pekinensis)	Accept	LEE
61	AK0342	Biotechnology	Quantitative trait loci for morphological traits and their association with functional genes in Raphanus sativus	Accept	LEE
62	AK0343	Biotechnology	Comparative analysis of Raphanus sativus and Brassica rapa genomes with fusarium wilt resistance	Accept	LEE
63	AK0344	Biotechnology	Shaofu Zhuyu decoction ameliorates obesity mediated hepatic steatosis and systemic inflammation by regulating metabolic pathways&&	Accept	JUNG
64	AK0345	Biotechnology	USP15 regulates dynamic protein-protein interactions of the spliceosome through deubiquitination of PRP31	Accept	SONG
65	AK0351	Biotechnology	Neuroprotective Effects of Korea Traditional Medicine Extract against Corticosterone-induced Neurotoxicity	Accept	LEE
66	AK0354	Biotechnology	A polyphasic taxonomic study on a novel bacterium isolated from sediment soil of crater lake	Accept	LEE
67	AK0355	Biotechnology	Global N-glycoproteome analysis in the course of human neural stem cell differentiation	Accept	KIM

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68	AK0358	Biotechnology	Fabrication of SFF-based three-dimensional soft tissue with decellularization of extracellular matrix	Accept	LEE
69	AK0359	Biotechnology	Anti-cancer Drug Targeting of Aurora Kinase C in Breast Cancer Cells	Accept	HAN
70	AK0360	Biotechnology	Cyclin Y-mediated transcript profiling reveals several important functional pathways controlled by Cyclin Y in hippocampal neurons	Accept	PARK
71	AK0362	Biotechnology	Differential roles of reticular thalamic neuronal types in processing nociceptive signals	Accept	HUH
72	AK0363	Biotechnology	Effect of microtubule stabilization by epothilone B depends on the type and age of neurons	Accept	JANG
73	AK0364	Biotechnology	Smart nanoprobe for the detection of alkaline phosphatase activity during osteoblast differentiation	Accept	LIM
74	AK0365	Biotechnology	Preparation of pyrenyl-based multifunctional nanocomposites for biomedical applications	Accept	LIM
75	AK0366	Biotechnology	Colorimetric detection of influenza A (H1N1) virus by a peptide-functionalized polydiacetylene (PEP-PDA) nanosensor	Accept	LIM
76	AK0367	Biotechnology	Functional characterization of resting and adenovirus-induced	Accept	WOO
77	Ak0368	Biotechnology	Three-dimensional culture platform for reconstruction of a hippocampal neural network	Accept	HUR
78	AK0370	Biotechnology	Current status and future prospects of R&D operations in T&CM-manufacturing SMEs	Accept	AHN
79	AK0373	Biotechnology	Schwann cells produce and secrete progranulin that prevents motor neuron degeneration	Accept	LEE
80	AK0374	Biotechnology	Effects of storage conditions on the protein stability in human growth hormone	Accept	JEONG
81	AK0383	Biotechnology	Effects of frequently used Korean herbal formulas on the acetylcholinesterase activity and amyloid- $\beta$ aggregation	Accept	LIM
82	AK0384	Biotechnology	Biomarkers of diabetic kidney disease detected by NMR-based metabolite profiling	Accept	HYEON
83	AK0388	Biotechnology	Simple in vivo gene editing via direct self-assembly of triplexed Cas9-crRNA-tracrRNA ribonucleoprotein complexes in human lung cancer	Accept	KIM
84	AK0393	Biotechnology	Alpha-naphthoflavone induces apoptosis through endoplasmic reticulum stress via reactive oxygen species and extracellular Ca <sup>2+</sup> influx in HT22 hippocampal neuronal cells	Accept	KANG
85	AK0396	Biotechnology	Nocardioides baekrokdamisoli sp. nov., isolated from soil of crater lake	Accept	LEE
86	AK0398	Biotechnology	Water extract of Galla Rhois with steaming process enhances apoptotic cell death in human colon cancer cells	Accept	YIM
87	AK0399	Biotechnology	Cancer-derived nanovesicles as a delivery platform of CRISPR/Cas9 confer cancer cell tropism-dependent targeting	Accept	KIM
88	AK0401	Biotechnology	Label-free nanoprobe for antibody detection through antibody catalyzed water oxidation pathway	Accept	GUK
89	AK0404	Biotechnology	An estradiol-independent BDNF-NPY cascade is involved in the antidepressant effect of mechanical acupuncture instruments in ovariectomized rats	Accept	SEO
90	AK0407	Biotechnology	The Determination of Urea in Serum by IDMS and Method Validation through the Key Comparison	Accept	LEE
91	AK0409	Biotechnology	Discovery of novel $\beta$ -arrestin-biased S1P1 agonist for treatment of multiple sclerosis	Accept	SON
92	AK0421	Biotechnology	Interaction between HuNoV and Concanavalin A using a hydrogen/deuterium exchange mass spectrometry	Accept	KI
93	AK0422	Biotechnology	Patterns of functional connectivity of the basal ganglia in healthy subjects: an ultra-high resolution [18F]FDG PET/MRI study	Accept	KIM
94	AK0423	Biotechnology	Analysis of flavonoids using Liquid Chromatographic technique	Accept	CHUNG
95	AK0426	Biotechnology	A novel series of highly potent small molecule inhibitors of rhinovirus replication	Accept	KIM
96	AK0429	Biotechnology	Modulation of lung pathophysiology by WWTR1	Accept	KIM
97	AK0434	Biotechnology	Effect of health status on symptom	Accept	JIN
98	AK0436	Biotechnology	Probiotics-induced amelioration of obesity related lipid metabolism in high fat diet induced obese rat model	Accept	CHUNG
99	AK0437	Biotechnology	The experimental autoimmune myocarditis in rat activates the autophagy and apoptosis	Accept	CHUNG
100	AK0443	Biotechnology	Crystal structure of ginseng major latex-like protein 151 and its proposed lysophosphatidic acid-binding mechanism	Accept	CHOI
101	AK0455	Biotechnology	A novel hypoxia-inducible factor-1 inhibitor IDF-11774 regulates cancer metabolism, thereby suppressing tumor growth	Accept	KIM
102	AK0462	Biotechnology	Lipidomic profiling in heart tissue of mice fed atherogenic diet	Accept	JUNG
103	AK0463	Biotechnology	A metabolomics-driven approach reveals metabolic responses and mechanisms in the rat heart following myocardial infarction	Accept	NAM
104	AK0464	Biotechnology	Transcriptional control of steroidogenesis in the testis	Accept	LEE

No	Abstract No.	Topic	Title	Accept	Last Name
105	AK0465	Biotechnology	Paenibacillus baekrokdamisoli sp. nov., isolated from soil of crater lake	Accept	LEE
106	AK0466	Biotechnology	Evaluation and clinical validation of field-deployable reverse transcription-insulated isothermal PCR (RT-iiPCR) assays for the detection of the MERS-Coronavirus	Accept	GO
107	AK0468	Biotechnology	Crystal Structures Reveal a New and Novel FoxO1 Binding Site within the Human Glucose-6-Phosphatase Catalytic Subunit 1 Gene Promoter	Accept	HAN
108	AK0471	Biotechnology	Small molecules drive human fibroblasts into induced neural crest cells through SOX10 mediated pathways	Accept	CHE
109	AK0473	Biotechnology	Photothermal-modulated drug delivery and magnetic relaxation based on collagen/poly( $\gamma$ -glutamic acid) hydrogel	Accept	CHO
110	AK0475	Biotechnology	Pharmacological promotion of regulatory T cell development	Accept	WON
111	AK0476	Biotechnology	The development of capsid inhibitor candidate against Hepatitis B Virus	Accept	KIM
112	AK0479	Biotechnology	Protective effect of 11 $\beta$ -hydroxysteroid dehydrogenase type 1 inhibitor on chemical eye ischemia-reperfusion-induced cell death	Accept	CHOI
113	AK0486	Biotechnology	Structural and biochemical studies of peptidoglycan-associated lipoprotein from Acinetobacter baumannii	Accept	KIM
114	AK0487	Biotechnology	HSPA1L promotes EMT-associated CSC-like properties expansion through to direct binding $\beta$ -catenin promoter	Accept	CHOI
115	AK0489	Biotechnology	Tescalcin enhances stem cell-like properties and $\gamma$ -radiation resistance of cancer cells via ALDH1 expression by IGF1R/SRC/STAT3 pathway	Accept	LEE
116	AK0491	Biotechnology	Assessment of high-fat diet-induced Alzheimer's disease in outbred mice using touchscreen-based automated battery system	Accept	LEE
117	AK0493	Biotechnology	In vitro three dimensional vascularized skin on a chip	Accept	KIM
118	AK0502	Biotechnology	Ribosome biogenesis protein NOP53 is essential to maintain stemness in human embryonic stem cells	Accept	CHE
119	AK0503	Biotechnology	The role of frequency and distress of different traumatic experiences in PTSD among firefighters	Accept	PARK
120	AK0507	Biotechnology	Sample preparation of the corn seed tissues to prevent analyte relocations for mass spectrometry imaging	Accept	YOON
121	AK0511	Biotechnology	Biochemical analysis of novel heat shock protein	Accept	PARK
122	AK0523	Biotechnology	COX19, a novel target for LRRK2 in mitochondrial function	Accept	BAE
123	AK0526	Biotechnology	serial block face electron microscopy for synapse reconstruction	Accept	OH
124	AK0531	Biotechnology	KRAS gene silencing and pi3k inhibitor co-treatment for ovarian cancer	Accept	KIM
125	AK0539	Biotechnology	Alternative agents for immune enhancer from adventitious root cultures of Echinacea	Accept	SON
126	AK0541	Biotechnology	Proteomic analysis of serum samples from internet?game addiction and non-addiction groups using mass spectrometric analysis	Accept	PARK
127	AK0553	Biotechnology	Continuous sorting of human mesenchymal stem cells by microfluidic chip filtration	Accept	JUNG
128	AK0563	Biotechnology	Proteomic analysis of hippocampus in chronic restraint stress mouse model of depression ascertains the role of cysteine oxidative modifications in neuroprotection from oxidative damage.	Accept	CHOI
129	AK0564	Biotechnology	A comprehensive proteomics analysis for Streptococcus equi subspecies equi Se071780 to antigen discovery and vaccine development	Accept	JUN
130	AK0565	Biotechnology	SynCAM1 mediates axon-axon interaction in motor neuron formation	Accept	LEE
131	AK0567	Biotechnology	Redox Regulation of Redox Sensitive Protein in its Structure and Function	Accept	SONG
132	AK0570	Biotechnology	Near-Infrared in vivo imaging targeted to hepatocellular carcinoma using $\beta$ -galactosidase stimulated fluorescent probe	Accept	KIM
133	AK0571	Biotechnology	Natural Compound that depletes ATP and inhibits cancer cell proliferation	Accept	SUH
134	AK0578	Biotechnology	Attentional control over the salience network as compensatory strategies in chronic centralized pain	Accept	KIM
135	AK0582	Biotechnology	The effects of acupuncture on postmenopausal women with prehypertension or stage 1 hypertension	Accept	SEO
136	AK0584	Biotechnology	Bio-fabrication of nanomesh channels of single-walled carbon nanotubes for locally gated field-effect transistors	Accept	BYEON
137	AK0587	Biotechnology	Set7/9, a methyltransferase, regulates the thermogenic program during brown adipocyte differentiation through the modulation of p53 acetylation	Accept	SON
138	IK0267	Biotechnology	Synthesis and Biological Evaluation of the Novel SHIP2 Inhibitors for the Treatment of Alzheimer's Disease	Accept	LIM
139	AK0003	Environment/Energy/Earth Technology	Understanding behavior of sulfur mustard (HD) in environmental matrices	Accept	JUNG
140	AK0024	Environment/Energy/Earth Technology	Uranium recovery by liquid cadmium cathode electrorefining	Accept	KIM
141	AK0039	Environment/Energy/Earth Technology	Study on stress responses in coral using microarray	Accept	WOO

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No	Abstract No.	Topic	Title	Accept	Last Name
142	AK0040	Environment/Energy/Earth Technology	Transcriptional changes in <i>Saxidomus purpuratus</i> exposed to environmental stresses	Accept	WOO
143	AK0049	Environment/Energy/Earth Technology	Regulatory approaches of the embedded digital devices in nuclear I&C Systems	Accept	KIM
144	AK0050	Environment/Energy/Earth Technology	Thin film solar cells based on SnS absorber material	Accept	CHO
145	AK0054	Environment/Energy/Earth Technology	Stability evaluation for the element correction coefficient of the thermoluminescence dosimeter	Accept	MEE
146	AK0062	Environment/Energy/Earth Technology	A soil moisture estimation algorithm using combination of SAR and TIRS sensors	Accept	KIM
147	AK0069	Environment/Energy/Earth Technology	Quality control activities on environmental radioactivity analysis in Korea	Accept	YIM
148	AK0076	Environment/Energy/Earth Technology	Characterization of crud prepared in a simulated PWR condition	Accept	LEE
149	AK0077	Environment/Energy/Earth Technology	Effect of cold work on the PWSCC of Ni-based alloys	Accept	LEE
150	AK0082	Environment/Energy/Earth Technology	Evaluation of NBC RAMS with tracer experiments using MvK	Accept	SEO
151	AK0085	Environment/Energy/Earth Technology	Potential for utilization of coal gasification slag as alkali-activated materials precursor	Accept	LEE
152	AK0087	Environment/Energy/Earth Technology	Ammonia Gas Sensor based on Organic Field Effect Transistor using indacenodithiophene-co-benzothiadiazole Polymer	Accept	SHIN
153	AK0089	Environment/Energy/Earth Technology	A Design Concept based on Information Minimalism of a Monitoring System for Korea Nuclear Power Plants	Accept	JANG
154	AK0096	Environment/Energy/Earth Technology	Improving simulated wind fields for better prediction of radioactive pollutant dispersion	Accept	LIM
155	AK0101	Environment/Energy/Earth Technology	P-type doped ambipolar polymer transistors by direct charge transfer from a cationic organic dye pyronin B ferric chloride	Accept	HUSEYNOVA
156	AK0103	Environment/Energy/Earth Technology	Geological survey to construct paleo-geological evolution model around KURT area	Accept	JUNG
157	AK0111	Environment/Energy/Earth Technology	Temperature Stability of (Bi,Na)TiO <sub>3</sub> -Based Piezoelectric Accelerometer	Accept	LEE
158	AK0128	Environment/Energy/Earth Technology	The manufacturing process of energy source for a semi-permanent betavoltaic battery using radioisotope Ni-63	Accept	KIM
159	AK0129	Environment/Energy/Earth Technology	Four cases of high-PM10 episodes in Seoul, Korea under cyclonic circulation patterns over East Asia	Accept	HUR
160	AK0136	Environment/Energy/Earth Technology	Development of diagnostic technology of geometry and defect in U-bended steam generator tube	Accept	KIM
161	AK0143	Environment/Energy/Earth Technology	Surface CO <sub>2</sub> flux estimate using an inverse modeling system with surface and aircraft CO <sub>2</sub> observations	Accept	KIM
162	AK0151	Environment/Energy/Earth Technology	Gradual decrease in fine particles compared to coarse particles associated with recent hot summers in Seoul, Korea	Accept	LEE
163	AK0155	Environment/Energy/Earth Technology	Disaggregation of remotely sensed LST via SPCA and a guided filter for wildfire monitoring	Accept	CHUNG
164	AK0170	Environment/Energy/Earth Technology	Monitoring of geometrical defect signals in pipe using nondestructive ultrasonic method	Accept	OH
165	AK0180	Environment/Energy/Earth Technology	Evaluation of convective-scale forecast performance depending on covariance estimation in EnKF-based data assimilation system	Accept	KIM
166	AK0206	Environment/Energy/Earth Technology	Finite element modeling of eddy current signal from deposit in steam generator tube	Accept	CHOI
167	AK0233	Environment/Energy/Earth Technology	Modelling for generator of absorption chiller with multi-heat sources	Accept	LEE
168	AK0252	Environment/Energy/Earth Technology	Development of hybrid materials for energy devices	Accept	KIM
169	AK0258	Environment/Energy/Earth Technology	Characteristic of alternative metal oxide for verification of electrolytic reduction equipments	Accept	LEE
170	AK0259	Environment/Energy/Earth Technology	Energy conversion and storage in the future energy system	Accept	KIM
171	AK0272	Environment/Energy/Earth Technology	High O <sub>3</sub> episodes in Seoul 2016 : VOC or NO <sub>x</sub> limited?	Accept	KIM
172	AK0274	Environment/Energy/Earth Technology	High concentration episodes observed onboard R/V Gisang 1 over the Yellow sea	Accept	KIM
173	AK0275	Environment/Energy/Earth Technology	Heterogeneous formation of HONO during high O <sub>3</sub> episodes in Seoul, 2016	Accept	KIM
174	AK0276	Environment/Energy/Earth Technology	Decadal change of PAN & O <sub>3</sub> levels in Seoul during May and June	Accept	KIM
175	AK0277	Environment/Energy/Earth Technology	The ecotoxicity of water-soluble components in PM <sub>1</sub> , PM <sub>2.5</sub> and PM <sub>10</sub> at Gosan, Jeju	Accept	KIM

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No	Abstract No.	Topic	Title	Accept	Last Name
176	AK0278	Environment/Energy/Earth Technology	Preliminary results of refractory black carbon physical properties and mixing state at Gosan Climate Observatory on Jeju during 2016 KORUS-AQ campaign	Accept	KIM
177	AK0280	Environment/Energy/Earth Technology	High-concentration episodes observed onboard the NASA DC 8(< 500 m) in comparison with surface measurements	Accept	KIM
178	AK0281	Environment/Energy/Earth Technology	Effect of BVOCs on O <sub>3</sub> production at Taehwa Research Forest in June during 2011~2014	Accept	KIM
179	AK0284	Environment/Energy/Earth Technology	Development of HuREX analysis interface for HRA data extraction	Accept	KIM
180	AK0286	Environment/Energy/Earth Technology	Application of domestic data for level 3 PSA cost evaluation	Accept	CHOI
181	AK0287	Environment/Energy/Earth Technology	High-O <sub>3</sub> episodes in Seoul 2015 : VOC or NO <sub>x</sub> limited?	Accept	KIM
182	AK0299	Environment/Energy/Earth Technology	Estimating ground-level particulate matter (PM) concentration using satellite-derived aerosol optical depth (AOD)	Accept	PARK
183	AK0300	Environment/Energy/Earth Technology	Template matching after pose estimation for SAR ATR based on improved Radon transform using the MSTAR public database	Accept	HAN
184	AK0323	Environment/Energy/Earth Technology	Stabilization mechanism of heavy metals in mine tailings using basic oxygen furnace slag	Accept	JEONG
185	AK0348	Environment/Energy/Earth Technology	Genomic analysis reveals versatility of anaerobic energy metabolism in <i>Geosporobacter ferrireducens</i> IRF9	Accept	KIM
186	AK0352	Environment/Energy/Earth Technology	Color control techniques for transparent a-Si:H solar cells with oxide/metal/oxide structure electrodes	Accept	KIM
187	AK0356	Environment/Energy/Earth Technology	Development and validation of gas chromatography-triple quadrupole mass spectrometry method for quantitative determination of eight phthalates in medical devices	Accept	AHN
188	AK0382	Environment/Energy/Earth Technology	Phosphate oxygen isotope ratios: principles and applications	Accept	CHANG
189	AK0385	Environment/Energy/Earth Technology	Identification and characterization of <i>Codonopsis lanceolata</i> according to the origin	Accept	SHIN
190	AK0390	Environment/Energy/Earth Technology	WGS reaction over Pt/CeO <sub>2</sub> and Ce-Cu-Mn catalysts for H <sub>2</sub> production	Accept	IM
191	AK0392	Environment/Energy/Earth Technology	Double-Layer Graphene catalyst on Silicon Photocathode for Hydrogen Production	Accept	MOON
192	AK0420	Environment/Energy/Earth Technology	Statistical analysis of WRF ensembles for typhoon track forecasts	Accept	KIM
193	AK0428	Environment/Energy/Earth Technology	Method evaluation for analysis of atmospheric SF <sub>6</sub> using Preconcentration-GC-ECD	Accept	KIM
194	AK0430	Environment/Energy/Earth Technology	Dissimilar materials joining using laser system as an energy source	Accept	LEE
195	AK0431	Environment/Energy/Earth Technology	Measurement of trace HFC-134a, HCFC-22, HCFC-142b using LN <sub>2</sub> -less preconcentrator-GC/MSD	Accept	YOON
196	AK0440	Environment/Energy/Earth Technology	Effective carbonization method using a calcium citrate for high performance in Li-S batteries	Accept	CHOI
197	AK0449	Environment/Energy/Earth Technology	Highly Efficient Solar Light-Driven Photocatalytic Activity of Upconversion Nanocrystal Embedded Mesoporous Carbon-TiO <sub>2</sub> Hybrid Films	Accept	KWON
198	AK0459	Environment/Energy/Earth Technology	Cross-linked gellan/pullulan polymeric binder for high performance Si anode in lithium-ion batteries	Accept	LEE
199	AK0460	Environment/Energy/Earth Technology	Development of spectral lineshape fitting program technique (data fitting and multiple lineshape fitting)	Accept	KIM
200	AK0482	Environment/Energy/Earth Technology	Sediment Microbial Community Related to Phosphate-Induced Arsenic Mobilization in Wetland Mesocosms	Accept	MOON
201	AK0484	Environment/Energy/Earth Technology	Hierarchical magnetic nanoparticles for heavy metal removal	Accept	KIM
202	AK0495	Environment/Energy/Earth Technology	Stability evaluation of sub-nanomole per mole levels dimethyl sulfide primary standard gas mixtures using traceable dynamic dilution method	Accept	KIM
203	AK0499	Environment/Energy/Earth Technology	Study of cross-linked solid polymer electrolyte for lithium sulfur battery	Accept	PARK
204	AK0506	Environment/Energy/Earth Technology	Battery performance of solid polymer electrolytes containing new thiol-ene crosslinkers in lithium ion batteries	Accept	KWAK
205	AK0516	Environment/Energy/Earth Technology	Development of a PSA-based Loss of Large Area Analysis Method	Accept	HWANG
206	AK0517	Environment/Energy/Earth Technology	The analytical measurement of chlorofluorocarbons (CFC-11, CFC-12, CFC-113) with FTIR	Accept	PARK
207	AK0518	Environment/Energy/Earth Technology	Effects of oxygenated fuels on soot from diesel spray	Accept	PARK

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No	Abstract No.	Topic	Title	Accept	Last Name
208	AK0536	Environment/Energy/Earth Technology	Flexible p-type PEDOT:PSS/amorphous silicon thin film solar cells on polyimide substrates	Accept	LEE
209	AK0537	Environment/Energy/Earth Technology	The 3D scientific visualization using VAPOR for huge and massive data in time and space	Accept	HONG
210	AK0538	Environment/Energy/Earth Technology	Development of passive system for safety improvement of nuclear power plant	Accept	KANG
211	AK0544	Environment/Energy/Earth Technology	Trace analysis of impurities in HFC-134a by gas chromatograph	Accept	PARK
212	AK0554	Environment/Energy/Earth Technology	Climate change mitigation and sustainability: Global trend of critical elements recovery from waste sources	Accept	AHN
213	AK0556	Environment/Energy/Earth Technology	Climate change effects on water resources and women's life style in developing countries	Accept	THENEPALLI
214	AK0576	Environment/Energy/Earth Technology	Hydrolysis of endosulfan by Fe(0)/iron oxide	Accept	AHN
215	AK0588	Environment/Energy/Earth Technology	Comparative analysis of concentrated solar power performance with heliostat shape	Accept	KIM
216	AK0622	Environment/Energy/Earth Technology	A Case Study on the QA Document Regarding COMPASS and SPACE Code Integration	Accept	PARK
217	IK0585	Environment/Energy/Earth Technology	The legal framework of Korean environmental monitoring and data quality management	Accept	LEE
218	AF0073	Information Technology and Convergence	Voxel-based Haptic Rendering during Shape Changes	Accept	KIM
219	AF0457	Information Technology and Convergence	Convolutional Neural Network for Automated Maxillofacial Cone Beam Computed Tomography Segmentation	Accept	VANIA
220	AF0530	Information Technology and Convergence	Keeping valuables in a safe: dealing with ransomware from an economical perspective	Accept	OH
221	AK0066	Information Technology and Convergence	Head pose estimation with transfer learning	Accept	TRAN
222	AK0116	Information Technology and Convergence	Food intake monitoring application with wearable sensors	Accept	JO
223	AK0121	Information Technology and Convergence	Real-time brittle fracture simulation for haptic interaction based on a node-link model	Accept	CHO
224	AK0130	Information Technology and Convergence	Priority and Reputation based Message Routing	Accept	SIM
225	AK0133	Information Technology and Convergence	A Novel Model for Group Membership and Authentication	Accept	CHO
226	AK0135	Information Technology and Convergence	Fitness Management Platform Using Real Time Database	Accept	LEE
227	AK0137	Information Technology and Convergence	Capabilities of Data Safeguarding Security Intelligence using Big Data	Accept	YANG
228	AK0140	Information Technology and Convergence	Low cost tethered unmanned aerial vehicle system	Accept	HA
229	AK0145	Information Technology and Convergence	Video streaming with encryption on mesh network using batman	Accept	KO
230	AK0148	Information Technology and Convergence	Practically classifying unmanned aerial vehicles sound using convolutional neural networks	Accept	KIM
231	AK0150	Information Technology and Convergence	Internet of things infrastructure for a smart building	Accept	KIM
232	AK0152	Information Technology and Convergence	Screen Sharing and Networking in 3D Virtual Reality Games	Accept	LEE
233	AK0191	Information Technology and Convergence	Design of state machine interface for building communicative environment with virtual reality avatar	Accept	LEE
234	AK0198	Information Technology and Convergence	Common modular architecture design for fire control system	Accept	CHANG
235	AK0208	Information Technology and Convergence	A method to analyze terrain for global path planning	Accept	PARK
236	AK0234	Information Technology and Convergence	Phase correlation accuracy improvement in thermal images using scharr filter	Accept	LEE
237	AK0240	Information Technology and Convergence	Automatic enhancement of accessibility using pedestrian information on smart platform	Accept	CHO
238	AK0247	Information Technology and Convergence	Silk-fibroin Bio-adhesives based on Calcium Chelate Reaction for Epidermal Sensors	Accept	KIM
239	AK0250	Information Technology and Convergence	Implantable bladder volume monitoring sensor based on Polypyrrole/agarose hydrogel composite	Accept	KIM
240	AK0251	Information Technology and Convergence	Near-field measurement of W-band horn antenna using a photonic-assisted system	Accept	KOO
241	AK0264	Information Technology and Convergence	360 virtual reality image interaction using mesh deformation	Accept	CHOI

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No	Abstract No.	Topic	Title	Accept	Last Name
242	AK0266	Information Technology and Convergence	EMG based VR game using camera captured data	Accept	KIM
243	AK0268	Information Technology and Convergence	An integrated method for packer identification	Accept	LEE
244	AK0283	Information Technology and Convergence	Classification of 3D printing patterns	Accept	CHYNYBEKOVA
245	AK0295	Information Technology and Convergence	A design of big data analytics architecture for textual data analysis on patent analysis	Accept	CHO
246	AK0296	Information Technology and Convergence	A research of big data analysis for data mining of patents based on manycore system	Accept	CHO
247	AK0301	Information Technology and Convergence	Automatic defect classification using PEC in the pipe under insulation combined with signal analysis method	Accept	HAN
248	AK0309	Information Technology and Convergence	Hand gesture modification based on Laban Movement Analysis to express an avatar's affection in a communicative VR environment	Accept	AN
249	AK0322	Information Technology and Convergence	Interactive Shadow Printing Wall based on Motion Analysis	Accept	CHOI
250	AK0335	Information Technology and Convergence	Intelligent IoT fog networking platform based on information-centric networking	Accept	KIM
251	AK0394	Information Technology and Convergence	2D Transfer function design for live-cell image data using ISODATA clustering method	Accept	CHO
252	AK0395	Information Technology and Convergence	Interactive multimodal virtual display of 2d-coordinates plane	Accept	KIM
253	AK0451	Information Technology and Convergence	Empathy in VR compared to paper-based evaluations of the trolley problem	Accept	KIM
254	AK0497	Information Technology and Convergence	Strategies for Open Science of NTIS focused on Joint Utilization of Experimental Data	Accept	KIM
255	AK0501	Information Technology and Convergence	A Study on Management of Change of NTIS' Information Confirmed by the Process of Survey and Analysis	Accept	JO
256	AK0508	Information Technology and Convergence	Keyword Network Analysis on Patents in Bio Sector	Accept	JUNG
257	AK0509	Information Technology and Convergence	Design Stable Peer- Review System of Conference Paper	Accept	JUNG
258	AK0520	Information Technology and Convergence	Product recommendation model using personal genetic information and cosmetic ingredients	Accept	GWAK
259	AK0542	Information Technology and Convergence	A study on issues on building a cloud computing service in physical network separation	Accept	KANG
260	AK0573	Information Technology and Convergence	A Trend analysis of Women Scientists and Engineers Activities Based on Journal Papers	Accept	SHIN
261	AK0575	Information Technology and Convergence	Speckle noise reduction in optical diffraction tomography using convolutional neural network	Accept	HWANG
262	AF0483	Nano Technology	Long-term generation of hydrogen peroxide and its diffusion characteristics for the clinical application of the tissue-regenerative all-metallic implants	Accept	HWANG
263	AK0004	Nano Technology	Cotton fiber with improved protection against chemical warfare agents	Accept	JUNG
264	AK0021	Nano Technology	Zn-MOFs Containing Flexible Dicarboxylates with 1,2-Bis(4-pyridyl)ethane or 1,2-Bis(4-pyridyl)ethylene Ligands	Accept	KIM
265	AK0044	Nano Technology	Design and development of novel antimicrobial peptides derived from natural source	Accept	KIM
266	AK0045	Nano Technology	Construction of diverse home-built solid-state NMR probes for specific purposes	Accept	JEONG
267	AK0048	Nano Technology	Study on morphology of NiO particles from aqueous droplet in flame aerosol reactor	Accept	SONG
268	AK0110	Nano Technology	The effect of bath condition on grain size and thermal diffusion of electroplated Nickel and Cobalt	Accept	UHM
269	AK0194	Nano Technology	Reversible regulation of enzyme activity by pH-responsive DNA tetrahedron nanostructure	Accept	KIM
270	AK0209	Nano Technology	Synthesis of benzene tetra carboxamide polyimine (BTCP) and properties, and applications of BTCP in the epoxy resin	Accept	YU
271	AK0237	Nano Technology	Electronic Structures of Strained InAs <sub>x</sub> P <sub>1-x</sub> Using Computational Quantum Mechanical Calculations	Accept	LEE
272	AK0254	Nano Technology	Silk-fibroin-based memristor in cross-bar architecture	Accept	KOOK
273	AK0314	Nano Technology	Nitrogen-doped carbon with transition metal coordination for electrochemical CO <sub>2</sub> reduction	Accept	JUNG
274	AK0317	Nano Technology	Gold nanorods conjugated defective TiO <sub>2</sub> nanoparticles for photothermal and photodynamic cancer therapy	Accept	LEE
275	AK0320	Nano Technology	A microfluidic device for lipid extraction using super absorbent polymer	Accept	KIM
276	AK0325	Nano Technology	Lattice transparency of Graphene	Accept	CHAE



No	Abstract No.	Topic	Title	Accept	Last Name
277	AK0336	Nano Technology	Mechano-chemical Synthesis of ZnS and its fabrication of transparent ceramics	Accept	AHN
278	AK0338	Nano Technology	Enzymatic exosomes with GPI-anchored hyaluronidase for enhanced tumor penetration and antitumor	Accept	HONG
279	AK0349	Nano Technology	Au nanoparticles-deposited Au nanowire SERS sensor for telomerase activity detection in cancer cells and tissues	Accept	EOM
280	AK0350	Nano Technology	Magnetic iron oxide nanoneedles containing multi-metallic nanoparticles for the catalytic reduction of 4-nitrophenol	Accept	JEON
281	AK0353	Nano Technology	Structural evolution of nanomaterials by laser pulse using approximate quantum mechanical calculations	Accept	LEE
282	AK0357	Nano Technology	Degradation of phenol by electro fenton reaction using sulphur doped iron oxide as effective catalysts	Accept	CHOE
283	AK0361	Nano Technology	Effect of Fe particle size and distribution on the hydrogenation properties of ball-milled nano-crystalline powder mixture of Fe and Mg	Accept	SUH
284	AK0371	Nano Technology	3D printed hierarchical structures functionalized with TiO <sub>2</sub> nanoparticles: Photo-induced reaction	Accept	JO
285	AK0372	Nano Technology	Synthesis of large-area multilayer hexagonal boron nitride for high material performance	Accept	KIM
286	AK0375	Nano Technology	Nano-plasmonic sensor using ultraflat Au nanoplate and troponin aptamers for early-diagnosis of acute myocardial infarction	Accept	HWANG
287	AK0377	Nano Technology	High throughput differential identification of abnormal fusion genes in prostate cancer patient urine	Accept	LEE
288	AK0378	Nano Technology	Hit discovery of 4-amino-N-(4-(3-trifluoromethyl)phenoxy)pyrimidin-5-yl)benzamide: A novel EGFR inhibitor	Accept	PAIK
289	AK0380	Nano Technology	Synthesis of Y <sub>2</sub> O <sub>3</sub> : Bi <sup>3+</sup> ,Eu <sup>3+</sup> @SiO <sub>2</sub> -based spectral converter for solar cell application	Accept	KOTOV
290	AK0381	Nano Technology	Fabrication of silicon template with intaglio nano-dome array	Accept	BAE
291	AK0389	Nano Technology	FRET-based visualization of PDGF receptor activation at membrane microdomains	Accept	SEONG
292	AK0400	Nano Technology	Suppression of Polysulfide Channel formation using P/g-C <sub>3</sub> N <sub>4</sub> as an efficient membrane for long life Lithium-Sulphur batteries	Accept	GOYAL
293	AK0405	Nano Technology	Oxygen evolution reaction activity enhancement of Ni(OH) <sub>2</sub> /NiOOH electrocatalyst on modified carbon supports	Accept	JUNG
294	AK0406	Nano Technology	Enhancement of electrochemical carbon dioxide reduction activity on stable surface oxygen species in silver nanostructures	Accept	JUNG
295	AK0410	Nano Technology	Developing Overhauser Dynamic Nuclear Polarization Nuclear Magnetic Resonance Systems for Signal Enhancement	Accept	KIM
296	AK0413	Nano Technology	Inhibition of plasminogen activator inhibitor-1 and anti-metastatic activity of EGCG conjugates in human breast cancer cells	Accept	SHIN
297	AK0414	Nano Technology	Epigallocatechin (EGC), a flavonoid from green tea, shows the early and advanced glycation end product modification of albumin	Accept	SHIN
298	AK0415	Nano Technology	A Novel Probe with a Chlorinated $\alpha$ -Cyanoacetophenone Acceptor Moiety Shows Near-Infrared Fluorescence Specific for Tau Fibrils	Accept	YOO
299	AK0418	Nano Technology	Synthesis and upconverting behaviors of stoichiometric luminescent materials derived from Lanthanum (Yttrium) oxyfluoride host lattices	Accept	PARK
300	AK0424	Nano Technology	Transmission kikuchi diffraction method in scanning electron microscope to visualize nitrogen-doped holey graphene monolith and study non-oxides and ultrafine metallic grains	Accept	GUIM
301	AK0425	Nano Technology	Application of a new chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid without extra free aminoundecyl groups on silica surface.	Accept	SUNG
302	AK0442	Nano Technology	Development of simultaneous analysis of arsenic species by using HPLC-ICP-MS includes dimethylmonothioarsinic acid and dimethyldithioarsinic acid	Accept	YOON
303	AK0444	Nano Technology	<b>Improvement of sample preparation to determine fluorine in soil using wavelength dispersive X-ray fluorescence spectrometry</b>	Accept	YOON
304	AK0445	Nano Technology	Distinctive luminescent property of Ba <sub>9</sub> Y <sub>2</sub> Si <sub>6</sub> O <sub>24</sub> :Bi,Eu phosphors based on the site-selected substitution	Accept	PARK
305	AK0446	Nano Technology	Defect-induced self-activating luminescence property of oxyfluoride materials	Accept	YANG
306	AK0447	Nano Technology	Removal of As (V) and Cr (VI) and organic pollutants with 3D flower like layered double oxide (LDO) nanocrystals	Accept	MUBARAK
307	AK0448	Nano Technology	Structural and optical properties of PbS and PbSe prepared by hydrothermal and by selenization treatment	Accept	OH
308	AK0452	Nano Technology	Nanomaterials for improving the sensitivity of optical sensors	Accept	CHUNG
309	AK0453	Nano Technology	Surface modified stainless steel for oxygen evolution reaction catalyst via selenization process and mild electro-oxidation	Accept	LEE

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No	Abstract No.	Topic	Title	Accept	Last Name
310	AK0454	Nano Technology	Construction of bridged azabicyclic ring system via an oxidative Mannich-type cyclization	Accept	JO
311	AK0456	Nano Technology	Enhancing photoluminescence of Eu <sup>3+</sup> /SiO <sub>2</sub> thin film with silane coupling agents	Accept	KIM
312	AK0458	Nano Technology	Synthesis of metal oxide nanoparticles embedded in a porous carbon matrix and their lithium ion storage properties	Accept	KO
313	AK0461	Nano Technology	Highly graphitized nitrogen-doped hollow core mesoporous shell carbon: Role of Fe for energy conversion and storage system	Accept	SONG
314	AK0467	Nano Technology	Coordinative Amphiphilic siRNA Transporters	Accept	BANG
315	AK0469	Nano Technology	Synthesis of azetidine-3-carboxylic acid derivatives as novel S1P1 agonist	Accept	LEE
316	AK0470	Nano Technology	Synthesis of biphenyl-3-ylmethylamine derivatives as 5-HT7 receptor modulators	Accept	LEE
317	AK0474	Nano Technology	The current status of 28 GHz Electron Cyclotron Resonance Ion Source for VIBA at KBSI	Accept	SOOK
318	AK0477	Nano Technology	Quantitative monitoring spectral redistribution of plasmonic coupling modes with structural transition of trimeric nanostructures	Accept	LEE
319	AK0478	Nano Technology	Organic semiconductor properties of fluorinated conducting polymer	Accept	KIM
320	AK0480	Nano Technology	Advanced spectroscopic investigation of the high-valent cobalt-oxo complex	Accept	KIM
321	AK0481	Nano Technology	Multi-technique EPR study of Cu-A $\beta$ -inhibitor ternary complex	Accept	HONG
322	AK0485	Nano Technology	Effect of co-contaminants on benzene biodegradation in the soil	Accept	YOON
323	AK0488	Nano Technology	Analytical methods of benzene, toluene, ethylbenzene and xylenes (BTEX) in contaminated soils	Accept	SEO
324	AK0490	Nano Technology	Fabrication of nanowire-based nonviral vector for effective delivery of DNA into stem cells	Accept	PARK
325	AK0492	Nano Technology	Discovery of novel N9-cis-cyclobutylpurine analogues as cyclin-dependent kinase (CDK) inhibitors	Accept	JANG
326	AK0496	Nano Technology	Development of selective 5-HT <sub>2c</sub> PET radioligands for brain imaging	Accept	JUNG
327	AK0500	Nano Technology	Lipotoxicity of well-controlled linoleic acid nanoparticles	Accept	KIM
328	AK0504	Nano Technology	Stacking-sequence optimization of Au-doped graphene with graphene oxide for flexible transparent electrodes	Accept	LEE
329	AK0510	Nano Technology	Induced target degradation of anaplastic lymphoma kinase (ALK) by target degraders (TDs)	Accept	GO
330	AK0513	Nano Technology	Cisplatin-mediated formation of chitosan nanoparticles with attenuated viscosity and pH-sensitive drug release	Accept	KWON
331	AK0519	Nano Technology	Research on synthesis of nanoparticles with biodegradable polymers	Accept	JUNG
332	AK0522	Nano Technology	Dispersion behavior of surface modified zirconia with silane coupling agent in organic solvent	Accept	HEE-SEON
333	AK0524	Nano Technology	Tailoring of reduced graphene oxide by controlled flash annealing in 'In-line' solution process	Accept	LEE
334	AK0525	Nano Technology	Study on reactor for production of rutile TiO <sub>2</sub> nanoparticles	Accept	LEE
335	AK0527	Nano Technology	Copper-catalyzed hydroboration reaction	Accept	JANG
336	AK0529	Nano Technology	Ultra-thin organometallic polymer memristor	Accept	JEONG
337	AK0532	Nano Technology	One-step electrochemical fabrication of high quality graphene	Accept	KWON
338	AK0533	Nano Technology	Machine Learning Prediction of Double Perovskite Bandgaps	Accept	CHANG
339	AK0534	Nano Technology	Realization of high aspect ratio YZO nanorods via controlling the thickness of seed layer	Accept	KAUR
340	AK0545	Nano Technology	Solution-processed lead sulfide quantum dot inks solar cells	Accept	CHOI
341	AK0547	Nano Technology	Pt-catalyzed methane oxidation to methyl bisulfate	Accept	DANG
342	AK0548	Nano Technology	Synthesis of propylene carbonate from CO <sub>2</sub> and propylene oxide using ion exchange resin-supported zinc compound	Accept	CHO
343	AK0549	Nano Technology	The $\beta$ -amyloid protein increases RhoA activity by SHIP2-mediated reduction of ARAP3 level	Accept	LEE
344	AK0550	Nano Technology	Metabolomic analysis of persistent organic pollutants exposure in human plasma	Accept	JANG
345	AK0566	Nano Technology	Color tunable ultrasmall upconversion nanophosphors	Accept	HONG
346	AK0568	Nano Technology	Study on Impurity Depth Profiling of the Steel by Secondary Ion Mass Spectrometry	Accept	BYEON
347	AK0569	Nano Technology	Synthesis of Methyl N-Phenyl Carbamate from Aniline and Dimethyl Carbonate Using Zinc Imidazole Framework-7	Accept	DAHNUM
348	AK0577	Nano Technology	Design and synthesis of N-alkyl-carbazole derivatives as novel 5-HT <sub>7R</sub> antagonists	Accept	KWAG
349	AK0583	Nano Technology	Fabrication of gold nano slits using crack lithography	Accept	WON
350	AK0035	Policy	A study of the internal training on the safeguards implementation at KAERI	Accept	KIM
351	AK0109	Policy	Study on the strategy for incubating domestic industry by analyzing korean market statistics of research equipment	Accept	JOUNG

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No	Abstract No.	Topic	Title	Accept	Last Name
352	AK0157	Policy	Comparative analysis of labeling guidelines for prescribing medications	Accept	KANG
353	AK0165	Policy	Transparency efforts on safeguards implementation at KAERI	Accept	KIM
354	AK0184	Policy	Study on the awareness of the Traditional Korean Medicine for the preparation of globalization	Accept	BAEK
355	AK0207	Policy	Current trends on international standardization activities of traditional medicine	Accept	MOON
356	AK0369	Policy	Study on New Standard Classification of Science and Technology in Traditional Korean Medicine	Accept	PARK
357	AK0408	Policy	Mismatch between the Demand and Supply on public R&D in the Traditional Korean Medicine	Accept	PARK
358	AK0515	Policy	The Progress and Tasks of Korean Policy on Women in STEM	Accept	KIM
359	AK0543	Policy	How korean women in stem changes in recent 10 years?	Accept	PARK
360	AK0008	Space Technology	Development of Flight Software Validation Tool	Accept	PARK
361	AK0016	Space Technology	Design of TC&R Subsystem for the LEO Satellite	Accept	KWON
362	AK0018	Space Technology	Satellites Anomalous Behavior Estimation through Statistical Features of Telemetry and Fuzzy Reasoning	Accept	YANG
363	AK0027	Space Technology	Activities for Space Weather in Korea	Accept	KIM
364	AK0028	Space Technology	A Conceptual Study on the Power Characteristics of a High-Efficient Hybrid System for Unmanned Aerial Vehicle	Accept	LEE
365	AK0030	Space Technology	Development of integrated departure/arrival management system	Accept	KIM
366	AK0041	Space Technology	Classification of Croplands through Fusion of Optical and SAR Time Series Data	Accept	PARK
367	AK0052	Space Technology	Satellite Electrical Interface Test Configuration Setup and Test result of Geo-Synchronous Orbit Satellite Electrical Test Bed	Accept	LEE
368	AK0065	Space Technology	Study on CCAM of launch vehicle upper stage using LOX vent	Accept	CHOI
369	AK0071	Space Technology	Development process of the optical cryogenic liquid/vapor sensor for the launch vehicle	Accept	JEON
370	AK0075	Space Technology	Different chemical and dynamical environments in two high mass star forming regions, G19.61-0.23 and G75.78+0.34	Accept	BAEK
371	AK0078	Space Technology	S-band Telemetry Downlink Design for Geo-Synchronous Orbit Satellite Operation	Accept	LEE
372	AK0080	Space Technology	The GEO-KOMPSAT-2A ground system development	Accept	LIM
373	AK0081	Space Technology	Analysis of the first LOI maneuver with respect to the pointing uncertainty	Accept	BAE
374	AK0083	Space Technology	Performance analysis of the intercooler for multi-stage turbocharger of hale uav	Accept	LEE
375	AK0088	Space Technology	Remote Sensing based Disaster Management: International Charter on Space and Major Disasters and KOMPSAT Application	Accept	KIM
376	AK0090	Space Technology	Operational concept for trajectory-based services between ATSU and aircraft in integrated manned/unmanned airspace	Accept	OH
377	AK0099	Space Technology	Development status of the pyrostarter for liquid rocket engines	Accept	JANG
378	AK0100	Space Technology	A Study of the Hongae-tongheon-ui (渾蓋通憲儀) of Nam Byeong-cheol (南秉哲)	Accept	KIM
379	AK0104	Space Technology	Solar cycle variation of microwave polar brightening and EUV coronal hole observed by Nobeyama Radioheliograph and SDO/AIA	Accept	KIM
380	AK0105	Space Technology	ETB Tests of GK2A KSEM EQM and FM Models	Accept	JIN
381	AK0108	Space Technology	Verification of a short arc optical observation strategy of the OWL-Net with the actual observation	Accept	CHOI
382	AK0118	Space Technology	LEO & GEO conjunction analysis and collision avoidance strategies	Accept	LEE
383	AK0119	Space Technology	Satellite corrosion monitoring for safe storage	Accept	LEE
384	AK0120	Space Technology	A Study on the Water-hammering type Astronomical Clock in the Middle of the Joseon Dynasty	Accept	HAM
385	AK0125	Space Technology	Introduction to the Turbopump FMEA for Liquid Rocket Engines	Accept	PARK
386	AK0126	Space Technology	Concept of spacecraft bus operation of Korea pathfinder lunar orbiter	Accept	JEON
387	AK0131	Space Technology	A multi-wavelength study of the small pre- and protostellar group, L1251B	Accept	CHOI
388	AK0132	Space Technology	A study of the flight software related spacecraft accidents	Accept	CHAE
389	AK0147	Space Technology	Correction for the parallax errors between two satellites to validate the cloud detection	Accept	KIM
390	AK0153	Space Technology	Parallel processing system of wavelength calibration for GEO-KOMPSAT-2 GEMS	Accept	PARK
391	AK0158	Space Technology	Development of LINK LP for the QB50 project	Accept	NA
392	AK0160	Space Technology	Application of Convolution Neural Networks for Deep-Space Navigation System in Harsh Conditions	Accept	KIM
393	AK0162	Space Technology	A case study on the earned value application for space launch vehicle program	Accept	LEE
394	AK0163	Space Technology	Prediction of the next rising position of unknown LEO satellite using one-way Doppler measurements	Accept	KIM
395	AK0164	Space Technology	The ignition system of 75 tonf-class liquid rocket engine for KSLV-II	Accept	JEON

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No	Abstract No.	Topic	Title	Accept	Last Name
396	AK0167	Space Technology	The First Speckle Polarimetry of the Moon	Accept	SIM
397	AK0168	Space Technology	A design and implementation of common condition checker	Accept	SHIN
398	AK0171	Space Technology	Trade off study for design of propulsion system valve drive electronics of lunar exploration satellite	Accept	LEE
399	AK0173	Space Technology	Software architecture concept for reconfiguration unit in GEO & LEO satellites	Accept	JEON
400	AK0175	Space Technology	Tropical ionization trough seen by Swarm satellites	Accept	LEE
401	AK0177	Space Technology	Photometric variations of geostationary earth orbit satellites	Accept	ROH
402	AK0178	Space Technology	Effect of dynamic process noise on lunar orbiter orbit determination using sequential estimation technique	Accept	KIM
403	AK0181	Space Technology	Star Tracker Support Structure Design in GEO-KOMPSAT-2	Accept	LEE
404	AK0185	Space Technology	Operational results of the Moon images through COMS during 7 years	Accept	PARK
405	AK0187	Space Technology	Development of geostationary satellite antenna station	Accept	PARK
406	AK0190	Space Technology	Which parameters from vector magnetic fields are useful for forecasting solar flares?	Accept	LIM
407	AK0192	Space Technology	Study on the assessment of the welded joints in the bellows	Accept	JUNG
408	AK0195	Space Technology	Optimization of a model to predict the solid soluble content of apples using hyperspectral data	Accept	SONG
409	AK0196	Space Technology	High-resolution optical and near-infrared spectra of 2MASS J06593158-0405277	Accept	PARK
410	AK0203	Space Technology	Advanced Test Approach for Confirmation of New Solar Array Regulator Design	Accept	PARK
411	AK0212	Space Technology	The instrumentation and analysis technique for Spectral Airglow Temperature Imager	Accept	KIM
412	AK0213	Space Technology	Estimation of polarimetric orientation angle using optical images over urban area for disaster-induced damage detection	Accept	JUNG
413	AK0216	Space Technology	A Study on the function and role of King Sejong Era's Ganui around Huhuk-hwan and Jeongguk-hwan	Accept	LEE
414	AK0218	Space Technology	Ethernet interface for satellite image data receiving	Accept	PARK
415	AK0221	Space Technology	Line feature-based image registration for the integration of optic and radar earth observation satellite data	Accept	JUNG
416	AK0222	Space Technology	A study on object-based building extraction method using UAV imagery	Accept	KIM
417	AK0224	Space Technology	Analog Multiplexer maintains high impedance when the power is off	Accept	WON
418	AK0225	Space Technology	Turbulent properties in two different star-forming regions: the OMC 1-4 and L1688 regions	Accept	YUN
419	AK0229	Space Technology	Evidence for Episodic Accretion in Class I Source IRAS 16316-1540	Accept	YOON
420	AK0231	Space Technology	Signature of chemical differentiation in Orion complex; Lambda Orionis, Orion A and Orion B	Accept	YI
421	AK0232	Space Technology	Introduction to launch vehicle development schedule management and study of schedule health check plan	Accept	SEO
422	AK0236	Space Technology	Sub-mm variability of a YSO (EC53) in Serpens main region	Accept	YOO
423	AK0241	Space Technology	Development of complex test-program for launch vehicle	Accept	LIM
424	AK0242	Space Technology	Flight dynamics subsystem core platform software development of geostationary satellite ground control system	Accept	HWANG
425	AK0243	Space Technology	Constant Voltage Mode Using MPPT for LEO Satellites with Unregulated Power Bus	Accept	PARK
426	AK0245	Space Technology	Stability Analysis and Experiment of Solar Array Regulator for LEO Satellites	Accept	PARK
427	AK0246	Space Technology	Two distinct types of CME-flare relationships based on SOHO and STEREO observations	Accept	JANG
428	AK0248	Space Technology	Review of pressure control method of propellant tank of liquid rocket	Accept	CHO
429	AK0255	Space Technology	Reentry prediction simulation of Tiangong-1 using STK and DRAMA	Accept	KIM
430	AK0260	Space Technology	Transition of Combustion Instability with swirl flow	Accept	LEE
431	AK0261	Space Technology	Influence of high ionospheric activity on dual-frequency SBAS	Accept	HEO
432	AK0263	Space Technology	National space situational awareness initiative	Accept	CHOI
433	AK0270	Space Technology	Research of hydroxyl/water ice on lunar surface for IR	Accept	SEO
434	AK0288	Space Technology	KPLO on-board orbit generation algorithms	Accept	YIM
435	AK0290	Space Technology	Comparison of lunar thermal environment conditions for thermal design of lunar orbiter and lander	Accept	KIM
436	AK0294	Space Technology	Risk Analysis for types of Reusable Launch Vehicle Recovery	Accept	AHN
437	AK0297	Space Technology	Assessment of Space Projects of Korea Aerospace Research Institute	Accept	CHOE
438	AK0298	Space Technology	Area-based image registration for multispectral satellite images in urban area	Accept	KIM
439	AK0303	Space Technology	Analysis of crop phenology observed by the GOCI	Accept	LEE
440	AK0328	Space Technology	Phase transition of the arctic oceanic change using multi-satellite measurements	Accept	KIM
441	AK0346	Space Technology	Taxi Time Prediction using Departure Queue Length	Accept	JEONG

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No	Abstract No.	Topic	Title	Accept	Last Name
442	AK0347	Space Technology	Development of science data management subsystem for the korean first lunar exploration	Accept	KIM
443	AK0379	Space Technology	Direct Trajectory Recovery Options for the 1st Lunar Orbit Insertion Maneuver Failure	Accept	SONG
444	AK0391	Space Technology	Enhanced explicit guidance of space launch vehicles with time-varying thrust profiles	Accept	SONG
445	AK0412	Space Technology	Design on Fault-Management System of Electrical Power System for GEO-Stationary Satellite	Accept	PARK
446	AK0438	Space Technology	Development of GMTI algorithm	Accept	KIM
447	AK0439	Space Technology	Video Streaming System based on Delay Tolerant Network in Space Communication	Accept	LEE
448	AK0494	Space Technology	Occurrence climatology of E-region field-aligned irregularities in the middle latitudes as observed by the Daejeon 40.8 MHz coherent scatter radar in Korea	Accept	KWAK
449	AK0498	Space Technology	Altitudinal variation of the vertical plasma drift measured by the C/NOFS satellite	Accept	CHOI
450	AK0535	Space Technology	Water Resource Management System using KOMPSAT-Series Imagery and 3D Geospatial Information Technology	Accept	JO
451	AK0580	Space Technology	Spacecraft magnetic field control	Accept	KIM
452	AK0581	Space Technology	Observation of a Large-scale Quasi-circular Secondary Ribbon developed in associated with Successive Flares and a Halo CME	Accept	LIM