

Presentation No. (Poster Board no.)	TI: Graphene
POT1-01	Phenolic Resin-Grafted Reduced Graphene Oxide as Highly-Stabled Anode Material for Lithium Ion Batteries <i>Mochen LI, Yue NIU, Xiaohong CHEN, Jizheng ZHOU, Huaihe SONG*</i> (Beijing University of Chemical Technology, China)
POT1-02	Wrinkled Graphene Nanosheets for High Sensitive NH3 and NO2 Gas Detectors <i>Su ZHANG¹, Di ZHANG¹, Vitaly I. SYSOEV², Olga V. SEDELNIKOVA², Igor P. ASANOV², Michael V. KATKOV², Lyubov G. BULUSHEVA², Alexander V. OKOTRUB^{2*}, Huaihe SONG^{1*}</i> (¹ Beijing University of Chemical Technology, China, ² Nikolaev Institute of Inorganic Chemistry, Russia)
POT1-03	Synthesis of Metal-Graphene Hybrid Flakes by RF-Thermal Plasma <i>Myoung-Sun SHIN^{1,2*}, Kyu-Hang LEE^{1,2}, Jung-gil KIM^{1,2}, Sung-yong CHOI¹, Guang-sup CHO², Seong-in KIM¹</i> (¹ Cheorwon Plasma Research Institute, ² Kwangwoon University, Korea)
POT1-04	High-Density Pentagons and Heptagons on Graphene <i>Jungpil KIM, Yasuhiro YAMADA*, Satoshi SATO</i> (Chiba University, Japan)
POT1-05	Layer-by-Layer Assembled Polyelectrolyte Modified Graphene Multilayer Films for Hydrogen Gas Barrier Application <i>Hun BEOM¹, Hongyu LIU^{1,2}, Nam Hoon KIM¹, Joong Hee LEE^{1*}</i> (¹ Chonbuk National University, Korea, ² Henan University, China)
POT1-06	Electrochemically Deposited Pt Nanoparticles on 3-Dimensional Graphene Nanostructures Using Nafion Stabilizer <i>Daeseung JUNG, Min Jun PARK, Nam Hoon KIM, Joong Hee LEE*</i> (Chonbuk National University, Korea)
POT1-07	Synthesis of Nitrogen-Doped Graphene by Thermal Annealing Graphene Oxide with Nitrogen-Containing Compounds <i>Hyun KIM, So Yang KIM, Jong Hun HAN*</i> (Chonnam National University, Korea)
POT1-08	Three-Dimensional Graphene Foams and Their Composites <i>Jieshan QIU*, Jingjing LIANG, Han HU, Xuzhen WANG, Zongbin ZHAO*</i> (Dalian University of Technology, China)
POT1-09	MEMS-Based Instrumentation for Mechanical Property Measurement of Graphene <i>Jason Yunje OH*, Douglas STAUFFER, Sanjit BHOWMICK, Ryan MAJOR, S.A. SYED ASIF, Oden WARREN</i> (Hysitron, Inc., USA)
POT1-10	Liquid Crystalline Driven Selective Size Separation of Graphene Oxide and Nitrogen Doping for Oxygen Reduction Reaction Catalysis <i>Kyung Eun LEE, Ji Eun KIM, Joonwon LIM, Sang Ouk KIM^{1,2*}</i> (¹ Ibs, ² KAIST, Korea)
POT1-11	Synthesis of Co-Doped Graphene Nano-Platelets Using Solution Process and Electrochemical Catalytic Properties <i>Jongwoo HAN¹, Jae Yeong CHEON², Seungjun LEE¹, Gyutae PARK¹, Sang Hoon JOO², Sungjin PARK^{1*}</i> (¹ Inha University, ² Ulsan National Institute of Science and Technology, Korea)
POT1-12	Colloidal Suspensions of N-modified Graphene Nano-Platelets in Water and Organic Solvent/Water Mixed Systems <i>Gyutae PARK¹, Seungjun LEE¹, Jeffrey R. POTTS², Junghoon OH¹, Jongwoo HAN¹, Sungjin PARK^{1*}</i> (¹ Inha University, Korea, ² The University of Texas at Austin, USA)
POT1-13	Electrolysis Decomposition Behaviors of Dye Wastewater Using Graphene Electrodes <i>Dong-Su LEE, Mi-Hwa CHONG, Soo-Jin PARK*</i> (Inha University, Korea)
POT1-14	Generation of B-Doped Graphene Nanoplatelets Using a Solution Process and Their Supercapacitor Applications <i>Kwangrok CHO¹, Jongwoo HAN¹, Li Li ZHANG², Seungjun LEE¹, Junghoon OH¹, Gyutae PARK¹, Kyoung-Seok LEE³, Jeffrey R.POTTS², Junyi JI², Xin ZHAO², Rodney S. Ruoff², Sungjin PARK^{1*}</i> (¹ Inha University, Korea, ² The University of Texas at Austin, USA, ³ Center for Analytical Chemistry and Korea Research Institute of Standards and Science, Korea)
POT1-15	Solution-Based Production of Graphene Nano-Platelets Containing Extremely Low Amounts of Heteroatoms <i>Seung Yeon KIM¹, Jongwoo HAN¹, Seungjun LEE¹, Li Li ZHANG², Junghoon OH¹, Gyutae PARK¹, Jeffrey R. POTTS², Richard D. PINER², Rodney S. RUOFF², Sungjin PARK^{1*}</i> (¹ Inha University, Korea, ² The University of Texas at Austin, USA)
POT1-16	Application Graphenes for Increasing Efficiency of Solar Cells <i>Bakhytzhan T. LESBAYEV*, Moldir AUYELKHANKYZY, Aidos. B. LESBAYEV, Gauhar T. SMAGULOVA, Nikolay G.PRIKHODKO, Meruyert NAZHIPKYZY, Zulhair A. MANSUROV</i> (Institute of Combustion Problems, Kazakhstan)
POT1-17	Synthesis of Graphene at Low Pressure in the Flame <i>Nikolay G. PRIKHODKO*, Moldir AUYELKHANKYZY, Bakhytzhan T. LESBAYEV, Zulkhair A. MANSUROV</i> (Institute of Combustion Problems Kazakhstan)
POT1-18	Preserving the Lateral Size of Graphene Oxide Sheets during Exfoliation of Coke and Graphite Oxides by a Multi-Step Sonication Procedure <i>Patricia ÁLVAREZ, Uriel SIERRA, Clara BLANCO, Marcos GRANDA, Ricardo SANTAMARÍA, Rosa MENÉNDEZ*</i> (Instituto Nacional del Carbón, Spain)
POT1-19	Hydroxylic Functionalization of Graphene Oxides with Iridium N-Heterocyclic Carbenes for Catalytic Applications <i>Patricia ÁLVAREZ^{1*}, Matías BLANCO¹, Clara BLANCO¹, M. Victoria JIMÉNEZ², Jesús J. PÉREZ-TORRENTE², Luis A. ORO², Rosa MENÉNDEZ^{1*}</i> (¹ Instituto Nacional del Carbón, ² Instituto de Síntesis Química y Catálisis Homogénea, Spain)
POT1-20	Repairing Defects in Reduced Graphene Oxide Films by Means of Graphitization Treatments <i>Juan M.D. TASCÓN*, Rubén ROZADA, Juan I. PAREDES, Silvia VILLAR-RODIL, Amelia MARTÍNEZ-ALONSO</i> (Instituto Nacional del Carbón, Spain)
POT1-21	Structure-Selective Production of Carbon Nanofibers in High Yield under Coexistence of CO2 <i>Kazunari TESHIMA¹, Seongyong EOM², Jin MIYAWAKI¹, Isao MOCHIDA¹, Seong-Ho YOON^{1*}</i> (¹ Kyushu University, Japan, ² Pusan National University, Korea)
POT1-22	A New Graphene Transfer Method onto Flexible Plastic Substrates <i>Cheng Jin AN, Hee-Tae JUNG*</i> (KAIST, Korea)
POT1-23	A New Graphene Transfer Method onto Plastic Substrates <i>Cheng Jin AN, SeonJoon KIM, Hee-Tae JUNG*</i> (KAIST, Korea)
POT1-24	Role of Conductive Materials in Polydomain Graphene for Highly Transparent Conducting Films

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	<i>Hyung Ouk CHOI¹, Dae Woo KIM¹, Seon Joon KIM¹, Seung Bo YANG², Hee-Tae JUNG^{1*}(¹KAIST, ²LG Chem Research Park, Korea)</i>
POT1-25	Fabrication and Characterization of Graphene Aerogel <i>Gwang Hoon JUN, Jae Young OH, Seokwoo JEON, Soon Hyung HONG*(KAIST,Korea)</i>
POT1-26	Controlled Radioytic Fabrication of Reduced Graphene Oxide and Its Use as anStable and EfficientInterfacial Layer in Organic Solar Cells <i>Chan-Hee JUNG^{1*}, In-Tae HWANG¹, Jae-Hak CHOI², Yong-Jin NOH³, Seok-In NA³ (¹Korea Atomic Energy Research Institute, ²Chungnam National University, ³Chonbuk National University, Korea)</i>
POT1-27	Anisotropic Charge Distribution of Self-Corrugated Chemically Modified Graphene for High Performance Molecular Sensor <i>Soo Yeon JEONG¹, Sang Won LEE², Sung Tae KIM², Dae Ho KIM¹, Seong Chu LIM², Hee Jin JEONG¹, Joong Tark HAN¹, Kang Jun BAEG¹, Sunhye YANG¹, Seung Yol JEONG^{1*}, Young Hee LEE^{2*}, Geon-Woong Lee^{1*} (¹Korea Electrotechnology Research Institute(KERI), ²Sungkyunkwan University, Korea)</i>
POT1-28	Improved Transfer of Chemical-Vapor-Deposited Graphene through Modification of Intermolecular Interactions and Solubility of Poly(Methylmethacrylate) Layers <i>Ho Young KIM , Seung Yol JEONG, Joong Tark HAN, Kang-Jun BAEG, Hee Jin JEONG*,Hee Jin JEONG* ,Geon-Woong LEE* (Korea Electrotechnology Research Institute(KERI), Korea)</i>
POT1-29	One-Step Transfer and Integration of Multifunctionality in CVD Graphene by TiO2/Graphene Oxide Hybrid Layer <i>Ho YoungKIM^{1,2}, Hyun JEONG², Joong Tark HAN¹, Seung Yol JEONG¹, Kang-Jun BAEG¹, Mun Seok JEONG², Geon-Woong LEE^{1*}, Hee Jin JEONG^{1*} (¹Korea Electrotechnology Research Institute(KERI), ²Sungkyunkwan University, Korea)</i>
POT1-30	A Comparative Study of Corrosion Resistance of Three Carbon Materials: Graphene, Carbon Nanotubes, Carbon Nanofibers <i>Eunjin JWA, Chan-Soo KIM, Namjo JEONG*(Korea Institute of Energy Research, Korea)</i>
POT1-31	Design and Microwave Absorbing Properties of Multilayered Cf-Si3N4 Composite <i>Heng LUO, Peng XIAO*, Long HUANG (Central South University, China)</i>
Presentation No.	T2: CNTs and Related Carbon Nanomaterials
POT2-01	SEM Studies of Carbon Nanotubes Synthesized on Metal Nanopowders <i>Partizan G.^{1*}, Ma YAO², Mansurov B.Z.¹, Medyanova B.S.¹, Jiang XIN², Aliyev B.A.¹ (¹Al-Farabi Kazakh National University, Kazakhstan, ²University of Siegen, Germany)</i>
POT2-02	Structure and Optical Properties of the Amorphous Hydrogenised Carbon Films Modified by Platinum Nanoclusters <i>O.Y. PRIKHODKO, N.K. MANABAEV, N.R. GUSEYNOV, S.Y. MAKSIMOVA, E.A.DAINEKO, G Partizan, S.L. MIKHAILOVA* (Al-Farabi Kazakh National University, Kazakhstan)</i>
POT2-03	Interlaminar Toughened and Reinforced CFRP Composites by Ex-situ Dispersed and Aligned MWNTs-EP in Polysulfone Hybrid Nanofibers <i>Dawei LIU^{1,2}, Bo LI¹, Xiaoping YANG¹, Gang LI^{1,2*}(¹Beijing University, ²Changzhou Institute of Advanced Material, China)</i>
POT2-04	Light-Powered Carbon Nanotube-Silicon Nanowire Heterojunction Gas Sensors <i>Yi JIA, Jing JI, Zhilin LI, Jingjun LIU, Feng WANG* (Beijing University, China)</i>
POT2-05	Molybdenum Sulfide Coated Vertical N-Doped CNT Forest as Catalysts for Improved Hydrogen Evolution Reaction <i>Dong Jun LI^{1,2}, Sang Ouk KIM^{1,2*}(¹Institute for Basic Science (IBS),² KAIST, Korea)</i>
POT2-06	Structurally-Controlled Carbon Materials with Nitrogen and Pentagon <i>Shintaro MATSUO, Yasuhiro YAMADA*, Satoshi SATO (Chiba University ,Japan)</i>
POT2-07	Improvement of Nickel Coating Uniformity on Carbon Nanotubes for Electromagnetic Interference Shielding Applications <i>Min-Ye KOO^{1,2}, Seong-Beom PARK^{1,3}, Kyo woo LEE², Young-Soo PARK¹, Byung-Joo KIM¹, Kay-Hyeok AHN¹, Won-Seok KIM^{1*} (¹Korea Institute of Carbon Convergence Technology, ²Chonbuk National University, ³Jeonju University, Korea)</i>
POT2-08	Highly Conductiveand Thermally Stable CNT-ZnO Composites <i>Muhammad MOHSINHOSSAIN^{1,2}, Jae RyangHAHN^{1*}, Bon-Cheol KU^{2*}(¹Chonbuk National University, ²KIST, Korea)</i>
POT2-09	Length Optimization of Multi-Walled Carbon Nanotubes(MWCNTs) Bundles for Conductive Nanocomposite <i>Su Min KIM, Hye Jin HAN, Jong Hak KIM, Jong Hun HAN*(Chonnam National University, Korea)</i>
POT2-10	The Fibrous Structure of CNTs for Electric Double-Layer Capacitor <i>Dayoung LEE, Seho CHO, Jin-Young JUNG, Young-Seak LEE*(Chungnam National University, Korea)</i>
POT2-11	Electrochemical Properties of Electric Double-Layer Capacitors with Fluorinated MWCNT Electrodes <i>Seho CHO^{1,2}, Min-Jung JUNG¹, Young-Seak LEE^{1*} (¹Chungnam National University, ²Korea Institute of Carbon Convergence Technology, Korea)</i>
POT2-12	Highly Oriented graphitic nanowiggles <i>Javier CARRETERO-GONZÁLEZ,* Sofía PÉREZ-VILLAR, Vladimir V. RODDATIS, Nuria GÓMEZ,Oleksandr B.BONDARCHUK, Sergey LOPATIN, Carmen M. LÓPEZ(CIC energiGUNE, , Spain)</i>
POT2-13	Carrier Relaxation Dynamics in Graphene Quantum Dots <i>Hyojung KIM¹, Junichiro KONO², Pulickel M. AJAYAN², Mun Seok JEONG¹, Ji-Hee KIM^{1*} (¹Sungkyunkwan University, Korea, ²Rice University, USA)</i>
POT2-14	The Applicability of Nanotube-Supported Carbon Nanocones as Probes for Near-Field Microscopy <i>Mathieu DELMAS*, Thierry ONDARCUHU, Marc MONTHIOUX(University of Toulouse, France)</i>
POT2-15	Investigation of the Behaviour of CrO3@SWCNT Material upon Aging <i>Jagjiwan MITTAL^{1,2*}, Claude GUIMON³, Marc MONTHIOUX¹ (¹Université de Toulouse, France, ²National Cheng Kung University, Taiwan, ³Université de Pau et des Pays de l'Adour, France)</i>
POT2-16	Fluorescence Properties of Carbon Quantum Dots from One-Step and Two-Step Hydrothermal Synthesis

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	<i>Xiaoting FENG, Yongzhen YANG, Husheng JIA*, Xuguang LIU*(Taiyuan University, China)</i>
POT2-17	Investigation of Carbon Films Synthesized by Oxygen-Acetylene Combustion Flame <i>Lesbayev B.T.³, Merkiybayev E.S.¹, Fuchs R.², Tolegen A.¹, Kenzhegulov A.K.¹, Aliyev B.A.¹, Mansurov B.Z.^{1*} (¹Al-Farabi Kazakh National University, Kazakhstan, ²University of Siegen, Germany, ³Combustion Problems Institute, Kazakhstan)</i>
POT2-18	Mechanical and Tribological Properties of CNF/C Composites Reinforced by CNF Bulks <i>Xiang GE¹, Xiao-long WU¹, Ji-tong WANG¹, Dong-hui LONG¹, Li-cheng LING¹, Wen-ming QIAO^{1,2*} (¹East China University, ²National Engineering Research Center, China)</i>
POT2-19	Dibenzo-14-Crown-4 Ether Immobilized onto Multi-Walled Carbon Nanotubes for the Recovery of Lithium ions in Dilute Water <i>Rey Eliseo C. TORREJOS, Grace M. NISOLA, Chosel P. LAWAGON, Lawrence A. LIMJUC, Agnes R. LABRADA, Harvey Allen ONG, Eleazar VIVAS, Seong Poong LEE, Jeong Gil SEO, Basavaraj R. PATIL, Wook-Jin CHUNG*(Myongji University, Korea)</i>
POT2-20	Rheological and Physical Properties of EPCO/CNT Composites <i>Tae Woo KIM¹, Youngho EOM¹, Dong Wook CHAE² and ByoungChul KIM^{1*} (¹Hanyang University, ²Kyungpook National University, Korea)</i>
POT2-21	Preparation of Macroporous Carbon Monoliths from Carbon Nanofibers Synthesized by the Liquid Pulse Injection Technique <i>Shunsuke KAMATARI, Ryoto HIRAHASHI, Yusuke RIKIMA, Shinichiro IWAMURA, Isao OGINO, Shin R MUKAI* (Hokkaido University, Japan)</i>
POT2-22	Effect of Carbon Nanotubes Addition on Mechanical Interfacial Properties of Basalt Fibers-reinforced Composites <i>In-Gi HAN, Seong-Ock LEE, Soo-Jin PARK*(Inha University, Korea)</i>
POT2-23	Influence of Ozone Treatment on Thermal and Mechanical Properties of Biodegradable Epoxy/Multi-walled Carbon Nanotubes Composites <i>Yoon-Ji YIM, Soo-Jin PARK*(Inha University, Korea)</i>
POT2-24	Synthesis of Polyethyleneimine Impregnated Multi-walled Carbon Nanotubes for CO₂ Capture <i>Min-Sang LEE, Soo-Jin PARK*(Inha University, Korea)</i>
POT2-25	Influence of Carbon Nanotubes on Thermal Conductivity of Carbonized Glass Fibers Composites <i>Min-Sang LEE, Yong-Ook SHIN, Soo-Jin PARK*(Inha University, Korea)</i>
POT2-26	Influence of Heat Treatment on Thermal Conductivity of Electrolessly Nickel-plated MWCNTs <i>Jeong-Ran CHOI, Soo-Jin PARK* (Inha University, Korea)</i>
POT2-27	Facile Synthesis and Field Emission of Metal Nanoparticle Decorated Vertical N-Doped Carbon Nanotube/Graphene Hybrid Films <i>Dong Sung CHOI^{1,2}, Duck Hyun LEE³, Sang Ouk KIM^{1,2*} (¹Institute for Basic Science, ²KAIST, Korea, ³University of Michigan Ann Arbor, USA)</i>
POT2-28	Direct Synthesis of Polyaniline/Nitrogen-Doped Carbon Nanotubes Composites <i>Gil Yong LEE^{1,2}, Atta Ul Haq², Joonwon LIM^{1,2}, Sang Ouk KIM^{1,2*} (¹IBS, ²KAIST, Korea)</i>
POT2-29	The Synthesis of Carbon Nanotubes by Thermal Pyrolysis of Hydrocarbons <i>Gaukhar T. SMAGULOVA*, Bakhytzhan T. LESBAYEV, Ayagoz Y. BAKKARA, Zulkhair A. MANSUROV (The Institute of Combustion Problems, Kazakhstan)</i>
POT2-30	Thermal, Electrical, and Mechanical Properties of Aligned Multiwalled Carbon Nanotubes and Poly Lactic Acid Composites <i>Seong-Beom PARK^{1,2}, Min Ye KOO^{1,3}, Young-Soo PARK¹, Byung-Joo KIM¹, Kay-Hyeok AHN¹, Won-Seok KIM^{1*} (¹Korea Institute of Carbon Convergence Technology, ²Jeonju University, ³Chonbuk National University, Korea)</i>
POT2-31	Large Scale Carbon Nanotube Network Field-Effect Transistors <i>Jingqi LI*(King Abdullah University, Saudi Arabia)</i>
POT2-32	Synthesis and Characterization of β-Ga₂O₃/Diamond-Like Carbon Core-Shell Heterostructure Nanowires <i>Hye Lan KIM, Eunjeong SHIN, Young Boo LEE, Woong-Ki HONG, Se Jin LEE, Tae-Sung BAE, Hee-Suk CHUNG* (Korea Basic Science Institute, Korea)</i>
POT2-33	Synthesis and Optical Property of ZnS Nanowires Sheathed with Diamond-Like Carbon <i>Hee-Suk CHUNG^{1*}, Seul Cham KIM², Do Hyun KIM², Kyu Hwan OH², Young Boo LEE¹, Woong-Ki HONG¹, Tae-Sung BAE¹ (¹Korea Basic Science Institute, ²Seoul National University, Korea)</i>
POT2-34	Layer-by-Layer Assemble of Polyelectrolyte onto Multiwalled Carbon Nanotubes for Ultra-high Loading of Multimetallic Nanoparticles and Its Application <i>Md. Shahinul ISLAM¹, Hyokyung JEON¹, Tae Sung BAE¹, Young Boo LEE¹, Ha-Jin LEE^{1*}, Won San CHO^{2*} (¹Korea Basic Science Institute, ²Hanbat National University, Korea)</i>
POT2-35	Thermal Annealing Effects on Spray-Assisted Hybrid Transparent Thin Films for Flexible Conducting Electrodes <i>Woong-Ki HONG^{1*}, Jong Bae PARK^{1,2}, Song-I KIM¹, Hee-Suk CHUNG¹, Young Boo LEE¹, Hye Hyun LEE¹, Seong Ryeong JEON¹, Tae-Sung BAE^{1*} (¹Korea Basic Science Institute, Korea, ²University of Oxford, UK)</i>
Presentation No.	T3: Precursors, Carbon Fibers, and Composites
POT3-01	Nanocomposite Based on Carbon Fiber and Tungsten: Synthesis by Wet Method, Structure and Catalytic Properties <i>K.V. KOTSAREVA, E.A. TRUSOVA*(A.A. Baikov Institute, Russia)</i>
POT3-02	Carbon Materials – Cellulose Acetate Composite for Liquid Phase Adsorption <i>Robert PIETRZAK*, Joanna KRASON, Justyna KAZMIERCZAK (Adam Mickiewicz University, Poland)</i>
POT3-03	Oxidation Behavior of Carbon/Carbon Composites with SiC-SiO₂ and Repair Coating <i>Xingjian JIAO*, Tongqi LI, Yumei LI, Zhihai FENG (Aerospace Research Institute, China)</i>
POT3-04	Evolution of Mechanical Behaviors of M40 Carbon Fibers after Heat Treated at Different Temperatures <i>Liangliang HOU*, Xingming ZHOU, Lihai LIU, Zhenghui XU, Gaowen ZHAO (Aerospace research institute, China)</i>
POT3-05	Study of Changes in the Structure and Properties of Amorphous and Diamond-Like Carbon at Diffusion through a Thin Film of Ni

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	<i>Partizan G., Buranbaev M.J., Kaipoldayev O.E., Aliaskarov R.K.* (Al-Farabi Kazakh National University, Kazakhstan)</i>
POT3-06	Carbon Fiber from Lignin Fiber <i>Xuejun ZHANG*, Wenfeng TANG, Yanfeng YANG (Beijing University, China)</i>
POT3-07	Oxygen Diffusion and Radial-structure Transformation of Electrospun Polyacrylonitrile Copolymer Nanofibers during Oxidative Stabilization Process <i>Sai MA, Guang-Yin GU, Jie-Ying LIANG, Jie LIU* (Beijing University, China)</i>
POT3-08	Stabilization Process of Lignin Fibers Prepared from Lignin/Phenol Co-liquefaction Product <i>Cheng GUO, Jie-Ying LIANG, Jie LIU* (Beijing University, China)</i>
POT3-09	Preparation of Butyric Anhydride Modified Lignin and Lignin/Poly(lactic acid) Precursor Fibers <i>Jie LIU*, Bin DU, Cheng GUO, Jie-Ying LIANG (Beijing University, China)</i>
POT3-10	Thermo-Chemical Reactions Occurring during the Oxidative Stabilization of Continuous Bundles of Aligned Electrospun Polyacrylonitrile Precursor Nanofibers <i>Jie LIU*, Qian LIU, Sai MA, Jie-Ying LIANG (Beijing University, China)</i>
POT3-11	Investigation of Stabilization Degree of Polyacrylonitrile Precursor Fibers Prepared by Dry-jet Wet Spinning on the Mechanical Properties of Final Carbon Fibers <i>Jie LIU*, Wei DANG, Jie-Ying LIANG (Beijing University, China)</i>
POT3-12	Influence of a Sulfonated poly (ether sulfone) Sizing Agent on Interface Performance of Carbon Fiber Reinforced Poly (ether sulfone) Composites <i>Jie LIU*, Xiu-Yan ZHOU, Jie-Ying LIANG (Beijing University, China)</i>
POT3-13	Investigation of Morphological and Structural Properties of Polyacrylonitrile Precursor Fibers on Mechanical Properties of Final Carbon Fibers <i>Jie LIU*, Zhe ZHANG, Jie-Ying LIANG (Beijing University, China)</i>
POT3-14	Synthesis of Ni-Doped Hollow Carbon Spheres in Resorcinol-Formaldehyde Inverse Emulsion Polymerization System <i>Qian LEI, Xiao HONG, Huaihe SONG* (Beijing University, China)</i>
POT3-15	Interfacial Microstructure and Properties of Carbon Fiber Grafted with Graphene Oxide <i>Yonghua ZHAO, Zhaokun MA* (Beijing University, China)</i>
POT3-16	Preparation and Properties of Graphene-Doped Mesophase Pitch-Based Carbon Fiber <i>Shu-li NING*, Zhaokun MA, Ming CHEN, Huai-he SONG (Beijing University, China)</i>
POT3-17	Preparation of SiCnw/SiC Coating on Mid-density of C/C Composites <i>Zhou-Jian TAN¹, Xu YI¹, Jun LI², Ji-Qiao LIAO^{1,2*} (¹Central South University, ²Hunan Kingbo Carbon-carbon Composites Co., LTD, China)</i>
POT3-18	Microstructure and Mechanical Properties of Carbon/Carbon Composites Obtained by Isothermal Chemical Vapor Infiltration <i>Qun HUANG, Baiyun HUANG, Lei LIU, Pingge HE, Yilin Ma, Zhoujian TAN, Xu YI, Tengfei CHEN* (Central South University, China)</i>
POT3-19	Microstructure and Mechanical Properties of Pyrocarbon with Resin as Precursor and Nano-mineral Materials as Additives <i>Xiaowen WU*, Yufei XIA, Yangai LIU, Zhaohui HUANG, Minghao FANG (China University, China)</i>
POT3-20	Mechanical Properties of Traffic Signal Profile Structure Manufactured with Carbon/Epoxy Unidirectional Prepregs; Simulation and Statistical Analysis <i>Haksung LEE¹, Mongyoung HUH², Sinjae KANG^{1,2}, Seok Il YUN^{3*} (¹Chonbuk University, ²Korea Institute of Carbon Convergence Technology, ³Sangmyung University, Korea)</i>
POT3-21	Mesophase Formation Behaviors at Various Bubbling Rates of the FCC-DO and Carbon Fiber Preparation Therefrom <i>Dong Hun LEE¹, Je Sung YUM¹, Young Se OH², KapSeung YANG^{1*} (¹Chonnam National University, ²GS Caltex Corporation, Korea)</i>
POT3-22	C/C Composite Heating Element by Conduction CVD Method <i>Moo Sung KIM¹, Chang Hyo KIM¹, Bo-Hye KIM², Seung Jo BAEK³, Young-Jun LEE³, KapSeung YANG^{1*} (¹Chonnam National University, ²Deagu University, ³LG Electronics, Korea)</i>
POT3-23	Effect of Thermal Stabilization Condition on Sound Absorption Property of Tencel Based Carbon Fabric <i>Sun Young LEE¹, Han Geul SON¹, Hyun Woo LEE¹, Tae Woong BYUN², Seung Goo LEE^{1*} (¹Chungnam National University, ²Winplus Co., Korea)</i>
POT3-24	Preparation and Characterization of PVDF Based Porous Carbon Fibers <i>Tae Min HONG, Hyun Jae LEE, Jong Sung WON, Do Kyung KIM, Hyun Woo LEE, Seung Goo LEE* (Chungnam National University, Korea)</i>
POT3-25	Evaluation of Interlaminar Fracture Toughness of Carbon/Epoxy Composite <i>Ji Eun LEE¹, Han Geul SON¹, Hyun Il SHIN¹, Sung Chan LIM¹, Eui Gyung JEONG², Seung Goo LEE^{1*} (¹Chungnam National University, ²Agency for Defense Development, Korea)</i>
POT3-26	Impact Properties of Polyketone/Carbon Fiber Interply Hybrid Composites <i>Jong Sung WON, Da Young JIN, Sung Chan LIM, Hyun Il SHIN, Seung Goo LEE* (Chungnam National University, Korea)</i>
POT3-27	Improved Mechanical and Thermal Properties of Epoxy Composite by Multi-walled Carbon Nanotube Additive <i>Si-Eun LEE¹, Mi-Seon PARK¹, Euigyung JEONG², Man Young LEE², Min-Kyung LEE², Young-Seak LEE^{1*} (¹Chungnam National University, ²Agency for Defense Development, Korea)</i>
POT3-28	Preparation and Characterization of Wet-Spun Polyhydroxyamide/Multi-Walled Carbon Nanotube Nanocomposite Fibers <i>Min Ho JEE, Moon Jin YEO, Chan Sol KANG, Yo Sub PARK, Jong Hwan LEE, Doo Hyun BAIK* (Chungnam National University, Korea)</i>
POT3-29	Characterization of Reformed Pyrolysis Fuel Oil based Pitch under UV Irradiation <i>Min-Jung JUNG, Jin-Young JUNG, Yoonyoung KO, Young-Seak LEE* (Chungnam National University, Korea)</i>

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POT3-30	Preparation and Characterization of PVDF Based Porous Carbon Fibers <i>Tae Min HONG, Hyun Jae LEE, Jong Sung WON, Do Kyung KIM, Hyun Woo LEE, Seung Goo LEE*</i> (Chungnam National University, Korea)
POT3-31	Solar Water Splitting using CdS Coated Carbon Nanofiber Mat <i>Young Kwang KIM, Minsun KIM, Sang Kyoo LIM, Sung-Ho HWANG, Soonhyun KIM*</i> (Daegu Gyeongbuk Institute of Science and Technology(DGIST), Korea)
POT3-32	Enhanced Hydrogen Storage on Titanate Nanotube and Noble Metal Decorated Carbon Nanofibers <i>Minsun KIM, Sang Kyoo Lim, Sung-Ho Hwang, Soonhyun KIM*</i> (Daegu Gyeonbuk Institute of Science and Technology (DGIST) , Korea)
POT3-33	The Structure and Properties of Carbon Nanofibers Prepared from Electrospun Fibers of Polyacrylonitrile Blends with Poly (2-Cyano-P-Phenylene Terephthalamide) <i>Dong Jun KIM, Young hoEOM, Byoung Chul KIM*</i> (Hanyang University, Korea)
POT3-34	The Structure and Physical Properties of Carbon Nanofibers Prepared from Electrospun Cellulose/PAN Blends. <i>Zubair KHALIQ, ByoungChul KIM*</i> (Hanyang University, Korea)
POT3-35	Fabrication and Characterization of CdS Doped TiO2 Nanotube Composite for Enhancing Photocatalytic Activity <i>Jongtae JUNG, Wonhee LEE, Sungpil KIM, Jong-Oh KIM*</i> (Hanyang University, Korea)
POT3-36	Thermally Modified Activated Carbons. Photochemical Reactivity and Synergy with TiO2 under Visible Irradiation. <i>Juan MATOS¹*, Ricmary MONTAÑA¹, Leticia VELAZCO^{2,3}, Conchi O. ANIA^{2*}</i> (¹ Venezuelan Institute for Scientific Research (IVIC), Venezuela, ² Instituto Nacional del Carbón, Spain, ³ Royal Military Academy, Belgium)
POT3-37	Heat Treatment Effect on the Electrical Characteristic of Carbon Fiber <i>I Na SIM¹, Heeyeon KIM¹, In Sub HAN¹, Se Young KIM¹, Doo Won SEO¹, John S. FOORD², Geoffrey NELSON² Seong Ok HAN^{1*}</i> (¹ Korea Institute of Energy Research, ² University of Oxford, UK)
POT3-38	Fabrication of Carbon Papers by Continuous Manufacturing Technology for the Gas Diffusion Layer in PEMFC <i>Young-Ju LEE, Hyunuk KIM, Sung-Jin LEE, Gu-Gon PARK, YoonJong YOO*</i> (Korea Institute of Energy Research, Korea)
POT3-39	Coal-Tar Pitch Modification by Acid Treatment for Carbon Fibers <i>Mi Jung Yoo, Hyo Joon Ko, Yun Soo Lim, Myung Soo Kim*</i> (Myongji University)
POT3-40	Mechanical and Electrical Properties of Epoxy Resin/Carbon Fibers Composites <i>Yoon-Ji YIM¹, Fan-Long JIN^{1,2}, Soo-Jin PARK^{1*}</i> (¹ Inha University,Korea, ² Jilin Institute of Chemical Technology, China)
POT3-41	Photocatalytic Degradation Behaviors of TiO2/Graphene Composites <i>Dong-Su LEE, Young-Jung HEO, Soo-Jin PARK*</i> (Inha University, Korea)
POT3-42	Preparation and Characterization of Graphene Oxide Reinforced Carboxymethylcellulose/Alginate Nanocomposites <i>Dong-Su LEE, Myung-Seok KIM, Soo-Jin PARK*</i> (Inha University, Korea)
POT3-43	Eco-Favorable Synthesis and Characterization of Sodium Carboxymethyl Cellulose/Graphene Nanocomposite Films <i>Minh Uyen Thi LE, Yeong-Rae SON, Soo-Jin PARK*</i> (Inha University, Korea)
POT3-44	Effect of Silanization on the Properties of Epoxy/Graphenenanoplatelet Composites <i>Minjae KIM¹, Hee Yun KIM¹, Jihyun BU¹, Sang Eun SHIM^{1*}</i> (Inha University, Korea)
POT3-45	Electrical and Thermal Properties of Durable Silica Coated Graphites/TPEE Composites <i>Yeongseon KIM¹, Kyunghee KIM¹, Jeonghoon NAM¹, Sang Eun SHIM^{1*}</i> (Inha University, Korea)
POT3-46	Carbon Fiber Tow Spreading Process Using Pneumatic Devices and Application to Thermoplastic Prepreg Manufacturing <i>Gyu Hee LEE, Woo Il LEE*</i> (Seoul National University, Korea)
POT3-48	Microstructures of Cu-Si-Ti Modified C/C Cmposites <i>Yuhai LU*, Peng XIAO</i> (Central South University, China)
Presentation No.	T4: Industrial Graphites, Carbon Industry News, and Carbon Blacks
POT4-01	From Turbostratic Solid Sphere to Multi-Shell Hollow Polyhedron of Carbon Black Nanoparticle during Annealing <i>Su ZHANG, Yutong LI, Xiaohong CHEN, Jisheng ZHOU, Huaihe SONG*</i> (Beijing University, China)
POT4-02	Large Scale Carbon Coating on Cohesive Particles by a Chemical Vapour Deposition Process in a Fluidized Bed Reactor <i>Adeliene SCHMITT¹*, Karl-Ernst WIRTH¹, Reinhold RÜGER², Björn KLEIST², Gerhard PFAFF²</i> (¹ Friedrich-Alexander University, Germany, ² Performance Materials, MERCK KGaA, Darmstadt, Germany)
POT4-03	Preparation of High Thermal-Stable and Thermal Conductive Phase Change Materials Using Expanded Graphite <i>Yoon-Ji YIM¹, Hye-Kyoung SHIN¹, Mi-Ra PARK², Soo-Jin PARK^{1*}</i> (¹ Inha University, ² Chonbuk National University, Korea)
Presentation No.	T5: Porous Carbons, Carbons for Health and Environmental Protection
POT5-01	Investigation of Phosphate Adsorption onto Ordered Mesoporous Carbons Modified with Lanthanide <i>Robert PIETRZAK*, Joanna GOSCIANSKA, Michał MARCINIĄK, Marcin FRANKOWSKI</i> (Adam Mickiewicz University, Poland)
POT5-02	Adsorption of Dyes onto Porous Carbons Obtained from Different Zeolites as Templates <i>Robert PIETRZAK¹*, Joanna GOSCIANSKA¹, Małgorzata FRANUS², Wojciech FRANUS²</i> (¹ Adam Mickiewicz University, ² Lublin University, Poland)
POT5-03	Physicochemical and Sorption Properties of Activated Carbons Prepared from Sawdust with the Use of Microwave Heating <i>Robert PIETRZAK*, Justyna KAZMIERCZAK, Barbara GRALAK-PODEMSKA, Piotr NOWICKI</i> (Adam Mickiewicz University, Poland)
POT5-04	NO2 Removal on Adsorbents Prepared from Pistachio Nut Shells

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	<i>Piotr NOWICKI*</i> , Aleksandra BAZAN, Robert PIETRZAK(Adam Mickiewicz University, Poland)
POT5-05	Simultaneous Removal of H₂S and NO₂ on Carbonaceous Adsorbents Prepared from Peanut Shells <i>Piotr NOWICKI*</i> , Katarzyna GOŹDZIK, Justyna KAZMIERCZAK, Robert PIETRZAK(Adam Mickiewicz University, Poland)
POT5-06	Characterization and Application of Activated Carbons Produced by the Use of Microwave Radiation <i>Piotr NOWICKI*</i> , Justyna KAZMIERCZAK, Robert PIETRZAK(Adam Mickiewicz University, Poland)
POT5-07	Heavy Metal Adsorption onto Chars Produced from Steam Pyrolysis of Oil Sludge <i>Murat KILIC</i> , Gamzenur ÖZSİN, Esin APAYDIN-VAROL, Ayşe E. PÜTÜN*(Anadolu University, TURKEY)
POT5-08	Dye Adsorption Properties of Bio-Char Produced from Pyrolysis of Filter Coffee Cake Wastes <i>Murat KILIC</i> , Gamzenur ÖZSİN, Ayşe E. PÜTÜN, Ersan PÜTÜN* (Anadolu University, TURKEY)
POT5-09	Preparation, Characterization and Application of Microwave Assisted Activated Carbon from Biomass <i>Gamzenur ÖZSİN</i> , Murat KILIÇ, Ayşe E. PÜTÜN, Esin APAYDIN-VAROL, Ersan PÜTÜN*(Anadolu University, TURKEY)
POT5-10	Adsorption Characteristics of Chemically Activated Carbons Prepared by Microwave Heating: Kinetic, Equilibrium and Thermodynamic Studies <i>Gamzenur ÖZSİN</i> , Murat KILIÇ, Ersan PÜTÜN, Ayşe E. PÜTÜN,* (Anadolu University, TURKEY)
POT5-11	Investigation of the Surface Properties of Modified Carbon Fibers as Biological Carrier on Water Treatment Efficacy <i>Jie LIU*</i> , Qi JIANG, Sai MA, Jie-Ying LIANG(Beijing University, China)
POT5-12	Influence of Pre-Carbonization Temperature on the Mechanical Properties of Polyacrylonitrile-Based Activated Carbon Fibers <i>Jie LIU*</i> , Liang-Jun LI, Jie-Ying LIANG(Beijing University, China)
POT5-13	Low-Density Carbon Composite Aerogels Prepared at Ambient Pressure Using Graphene Oxide as an Anti-Shrinkage Additive <i>Kang GUO</i> , Xiao-Hong CHEN, Huai-He SONG*(Beijing University, China)
POT5-14	Hydrothermal Synthesis of Co₃O₄ Nanoparticles/Multi-Walled Carbon Nanotube Nanocomposite and Its Application for Amperometric Sensing of Hydrazine <i>Jie ZHANG</i> , Zhilin LI, Jingjun LIU, Jing JI, Yi JIA, Feng WANG*(Beijing University, China)
POT5-15	Evaluation of Activated Carbon Fiber on Infected Wound Healing <i>Wei-Shan HSU</i> , Yu-Hsin LIN, Wan-Yu CHUNG, Tse-Hao KO, Jui-Hsiang LIN*(Taichung, Taiwan)
POT5-16	Template Synthesis of Carbon Monoliths Based on Porous Concrete <i>Michael TAUBERT¹</i> , Jens BECKMANN ¹ , Jörg ZIMMERMANN ¹ , Andreas LANGE ² , Dirk ENKE ² , Olaf KLEPEL ^{1*} (¹ Brandenburg University, ² Leipzig University, Germany)
POT5-17	A Facile Thermolysis Approach to Fabricate ZnO/C Composite Spheres <i>Hossain SHIMA</i> , Muhammad Mohsin HOSSAIN, Jae Ryang HAHN*(Chonbuk National University, Korea)
POT5-18	General One-Pot Strategy to Prepare Ag-ZnO/RGO Nanocomposites for Waste Water Treatment <i>Bishweshwar PANT</i> , Mira PARK, Tae-Woo KIM, Prem SAUD, Hak-Yong KIM*(Chonbuk National University, Korea)
POT5-19	Enhancing the Efficiency and Specificity for Polymerase Chain Reaction using Carbonized Polydopamine Coated Silica Nanoparticles <i>Ji Young PARK</i> , Ji Min SEO, Ha Young JUNG, Tae Jung PARK*(Chung-Ang University, Korea)
POT5-20	Electromagnetic Interference Shielding Properties of Electroless Ni/Cu Plated MWCNT <i>Do Young KIM</i> , Si-Eun LEE, Kug Jin YUN, Young-Seak LEE*(Chungnam National University, Korea)
POT5-21	Synthesis and Characterization of Activated Carbon Fibers based Gas Sensor Electrode for Toxic Gas Sensing <i>Min Il KIM¹</i> , Hyeong Gi KIM ² , Seung-Kon RYU ³ , Young-Seak LEE ^{1*} (¹ Chungnam National University, ² Korea Fire Safety Association, ³ Korea Institute of Carbon Convergence Technology, Korea)
POT5-22	Preparation of Activated Carbon Nanofibers by Chemical Activation for CO₂ Adsorption <i>Kyung Hoon KIM</i> , Dayoung LEE, Min-Jung JUNG, Young-Seak LEE*(Chungnam National University, Korea)
POT5-23	The Effect on Water Vapor Adsorption Capacity of Thermally Fluorinated Carbon Molecular Sieves <i>Jin-Young JUNG</i> , Si-Eun LEE, Young-Seak LEE *(Chungnam National University, Korea)
POT5-24	Preparation and Textural Characterization of Microporous Carbon Aerogel by Using Acid Catalyst <i>Yoonyoung KO¹</i> , Dayoung LEE ¹ , Jeon-Seok JANG ² , Young-Seak LEE ^{1*} (¹ Chungnam National University, ² Chungbuk Regional office of small & Medium Business Administration, Korea)
POT5-25	Superiority of the Porous Carbon Microspheres as Matrix for Preparing the Surface Molecularly Imprinted Polymers <i>Lei QIN</i> , Yongzhen YANG, Bingshe XU, Xuguang LIU*(Taiyuan University, China)
POT5-26	Nitrogen-Doped Hierarchical Carbon Nanocomposite with Enhanced Catalytic Activity for Low-Temperature Oxidation of H₂S <i>Xuzhen Wang*</i> , Dongwu Zhan, Yang Liu, Zhengfa Yu, Jieshan Qiu (Dalian University, China)
POT5-27	Controllable Synthesis of High-Surface-Area and High-Nitrogen-Content Microporous Carbons and Their Applications in CO₂ Capture <i>Huichao CHEN</i> , Jitong WANG, Wenming QIAO, Licheng LING, Donghui LONG*(East China University, China)
POT5-28	Combining Microporous and Mesoporous Pore Structure in A Core-Shell Arrangement <i>Andreas KERN</i> , Teguh ARIYANTO, Jan GLÄSEL, Bastian J.M. ETZOLD*(Institute of Chemical Reaction Engineering, Germany)
POT5-29	Preparation of Carbon Gels with a Hierarchical Pore System of Micro-Meso-Macropores Using Thermoplastic Resins as a template <i>Takeshi MORI</i> , Takanori TSUCHIYA, Shinichiro IWAMURA, Isao OGINO, Shin R MUKAI*(Hokkaido University, Japan)
POT5-30	Synthesis of Dimethyl Carbonate Catalyzed by DABCO on Carbon Support Via Trans-Esterification of Ethylene Carbonate with Methanol <i>Kwang Hyeok LEE</i> , Hyun Sik HAHM*(Myongji University, Korea)

POT5-31	Carbon Fiber Forest Array - Integration of Load Bearing and Electromagnetic Wave Absorbing <i>Wen Hong, Peng Xiao*(Central South University, China)</i>
Presentation No.	T6: Carbons for Sustainable Energy Conversion and Storage, Carbons for Energy Saving
POT6-01	Structure Control of the Carbon Foams Prepared from Mesophase Pitches by Adjusting Their Precursor Components <i>Tong-QI LI^{1*}, Zhi-Hai FENG^{1,2}, Xing-Jian JIAO¹, Bo-Yun HUANG² (¹Science and Technology on Advanced Functional Composites Laboratory, ²Central South University, China)</i>
POT6-02	Enhancing Lithium Storage Property of SnOx/Carbon Nanofibers Anode by Ti-Doping <i>Yuan LIU, JinLe LAN, Yunhua YU*, XiaoPing YANG(Beijing University, China)</i>
POT6-03	The Improvement of the Electrochemical Performance of Graphene Nanosheets and SnO2 Composite as Anode Material for Lithium-Ion Batteries <i>Huaihe SONG*, Xiaoting Zhang, Jisheng Zhou, Xiaohong Chen(Beijing University, China)</i>
POT6-04	Natural Material Derived Hierarchical Porous Carbons Supported Pt Nanoparticles with Enhanced Electrocatalytic Activity for the Oxygen Reduction Reaction <i>Haijing LIU, Yinliang CAO, Yaqin HUANG, Feng WANG*(Beijing University, China)</i>
POT6-05	Synthesis of Hollow Carbon Hemisphere and Its Application as the Support Material for Platinum Nanoparticle Catalysts towards the Methanol Electro-oxidation <i>Jing Ji, Xuegao ZHOU, Haijing LIU, Feng WANG*(Beijing University, China)</i>
POT6-06	Carbon Felt/SnO2 Negative Electrodes for Lithium-Ion Batteries by Sol-Gel Method <i>Xuejun ZHANG*, Suqing WANG, Yanhong TIAN(Beijing University, China)</i>
POT6-07	The Relationship between Carbon Nanotube Surface and Electrocatalytic Performance toward Oxygen Reduction Reaction of Cobalt Phthalocyanine /Carbon Nanotube <i>Zhengping ZHANG, Zhilin LI, Jingjun LIU, Jing Ji, Yi JIA, Feng WANG*(Beijing University, China)</i>
POT6-08	Electrode Performances of the Electrochemicalsupercapacitors of the Electro-Spun Based CNFs Activated by using H2O and CO2 <i>Chang Hyo KIM¹, Bo-Hye KIM^{2*}, Kap Seung YANG^{1*}(¹Chonnam National University, ²DeaguUniversity, Korea)</i>
POT6-09	KOH Activation of Coke Waste to Improve Activated Carbon for Electric Double-layer Capacitors <i>Mi-Seon PARK¹, Seho CHO^{1,2}, Euigyung JEONG³, Young-Seak LEE^{1*} (¹Chungnam National University, ²Korea Institute of Carbon Convergence Technology, ³Agency for Defense Development, Korea)</i>
POT6-10	T-Nb2O5 @ C Nanorod Composites for High Performance Lithium-Intercalation Pseudocapacitor <i>Lingping KONG, Jitong WANG, Wenming QIAO, Licheng LING, Donghui LONG(East China University, China)</i>
POT6-11	Catalytic Activities of BN-Doped Carbons for a Knoevenagel Reaction <i>Naokatsu KANNARI, Yasutake MATSUNAGA, Jun-ichi OZAKI*(Gunma University, Japan)</i>
POT6-12	Annealing Effect on Seamless Activated Carbon Electrode for Electric Double Layer Capacitor <i>Ken KAMIYA¹, Yukiko ENDO¹, Kimiyasu ONDA², Hidehiko TSUKADA², Soshi SHIRAIISHI^{1*} (¹Gunma University, ²AION Co.Ltd., Japan)</i>
POT6-13	Highly Porous Carbons Synthesized from Biomass-Derived Aerogels for Hydrogen Storage <i>Yong-Ki CHOI, Soo-Jin PARK*(Inha University, Korea)</i>
POT6-14	Electrochemical Behaviors of Pt-Ru Catalysts on Zeolite-Templated Carbon Supports for Direct Methanol Fuel Cells <i>Dong-Su LEE, Tae-Jin LIM, Soo-Jin PARK*(Inha University, Korea)</i>
POT6-15	Effect of Physical Activation on Petroleum Pitch-Based Carbon for Electrochemical Performance <i>Jeong-Ran CHOI^{1,2}, Jung-Yun CHOI¹, Soo-Jin PARK^{1*}(¹Inha University, ²Evertch Enterprise Co, Korea)</i>
POT6-16	Graphene Modified Graphite Felts as Electrodes for Vanadium Redox Flow Batteries <i>Patricia ÁLVAREZ, Ana M. PÉREZ MAS, Clara BLANCO, Ricardo SANTAMARÍA, Marcos GRANDA, Rosa MENÉNDEZ, Zoraida GONZÁLEZ*(Instituto Nacional del Carbón, Spain)</i>
POT6-17	Enhancement of the Energy Density of Carbon-Based Supercapacitors by Adding Inorganic Redox Species to Aqueous Electrolytes <i>Patricia ÁLVAREZ, Patricia DÍAZ, Ricardo SANTAMARÍA, Clara BLANCO, Zoraida GONZÁLEZ*(Instituto Nacional del Carbón, Spain)</i>
POT6-18	Effects of MesostructuralOrder on Electrochemical Performance of Hierarchical Micro-MesoporousCarbons <i>Juan M. D. TASCÓN^{1*}, Marina ENTERRÍA¹, Alberto CASTRO-MUÑIZ², Fabián SUÁREZ-GARCÍA¹, Amelia MARTÍNEZ-ALONSO¹, Takashi KYOTANI²(¹Instituto Nacional del Carbón, Spain, ²Tohoku University, Japan)</i>
POT6-19	Facile Synthesis of Hydrogenated Carbon Nanospheres and their Application as Anode Materials for Rechargeable Lithium-Ion Batteries <i>Mingguang YAO*, Junping XIAO, Kai ZHU, Dong ZHANG, Bingbing LIU(Jilin University, China)</i>
POT6-20	Three-Dimensional Shape Engineered, Interfacial Gelation of Reduced Graphene Oxide for High Performance Supercapacitors <i>Joonwon LIM, Uday Narayan MAITI, Kyung Eun LEE, Sang Ouk KIM*(KAIST, Korea)</i>
POT6-21	Charge Acceptance Improvement on Carbon Electrode of Li-ion Battery for Electric Vehicle Applications <i>Won-Yeol LEE, Min-Sik PARK, Ki-Jae KIM, Young-Jun KIM, Ji-Sang YU*(Korea Electronics Technology Institute, Korea)</i>
POT6-22	A facile Method to Enhance Electrochemical Activity of Carbon Felt Electrodes toward Vanadium Redox Pairs in VRFB <i>Ki Jae KIM*, Seung-Wook LEE, Min-Sik PARK, Young-Jun KIM*(Korea Electronics Technology Institute, Korea)</i>
POT6-23	Anodic Performances of H2O2-Treated Natural Graphite for Lithium Ion Capacitors <i>Yong Nam JO¹, Chul Min PARK¹, Jung Woo PARK¹, Jeom-Soo KIM², Young-Jun KIM¹, Ji-Sang YU^{1*} (¹Korea Electronics Technology Institute, ²Dong-A University, Korea)</i>
POT6-24	Structural and Electrochemical Characteristics of H3PO4-Treated Soft Carbon as an Anode for Lithium Ion Batteries

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	<i>Yong Nam JO¹, Min-Sik PARK¹, Ki-Joo HONG², Sang Ick LEE², Young-Jun KIM^{1*} (Korea Electronics Technology Institute, GS Energy, Korea)</i>
POT6-25	Enhanced Electrochemical Characteristics of Electric Double Layer Capacitors by Nitrogen Doped Activated Carbon <i>Sunhye YANG[*], Ick-Jun KIM, Jun-Woo PARK, Siwoo ROH, Joon-Hyuk BANG, Sungdo YUN (Korea Electrotechnology Research Institute, Korea)</i>
POT6-26	Electrochemical Behavior of Cobalt–Nickel Hydroxides/Carbon Banofiber Composites for Electrochemical Capacitors <i>Hye-min LEE¹, Sang Jin HAN², Kay Hyeok AN¹, Byung-Joo KIM^{1*} (Korea Institute of Carbon Convergence Technology, Vinatech, Korea)</i>
POT6-27	Preparation and Application of Chestnut-Like Carbon Electrodes for High Specific Capacitance <i>Seon Ho LEE^{1,2}, Jiyoung KIM^{2,3}, Dong-Hyun PECK², Sang-kyung KIM^{2,3}, Byeong-Cheol MIN⁴, Doo-Hwan JUNG^{2,3*} (Yonsei University, Korea Institute of Energy Research (KIER), University of Science and Technology (UST), National Science Museum, Korea)</i>
POT6-28	Synthesis of Different Types of Nano Carbons for Fuel Cell Electrode <i>Heeyeon KIM^{1*}, Guk-hyeon KWON^{1,2} (Korea Institute of Energy Research, Yonsei university, Korea)</i>
POT6-29	The Influence of Compressed Carbon Electrodes on the Performance of All-Vanadium Redox Flow Batteries <i>Jae-Deok JEON^{1*}, Se-Kook PARK^{1,2}, Joonmok SHIM¹, Jung Hoon YANG¹, Kyoung-Hee SHIN¹, Bum-Suk LEE¹, Myung-Seok JEON¹ (Korea Institute of Energy Research, Chungnam National University, Korea)</i>
POT6-30	Plasmonic-Enhanced Photoresponse of AuNPs-Functionalized CNT-FET for Visible Light Detection <i>Seunghwan YOQ¹, Jonghun KIM¹, Cheol-Yong JANG¹, Hakgeun JEONG^{1*} (Korea Institute of Energy Research, Korea)</i>
POT6-31	Carbon Fiber Paper Decorated with Flower-Like Au Nanostructures for All-Vanadium Redox Flow Batteries <i>Joonmok SHIM[*], Jae-Deok JEON, Jung Hoon YANG, Bum-Suk LEE, Myung-Seok JEON, Kyoung-Hee SHIN (Korea Institute of Energy Research (KIER), Korea)</i>
POT6-32	Extreme Drying of Low Rank Coal in a Fluidized Bed for the Production of Carbon Nano Materials <i>Jaehyeon PARK^{1*}, Dowon SHUN¹, Chang Keun YI¹, Dal-Hee BAE¹, Sung Ho JO¹, Young Cheol PARK¹, Jong-Seon SHIN¹, Jaehyeok PARK², Gi-Young KIM³ (Korea Institute of Energy Research (KIER), Yonsei University, Chungnam University, Korea)</i>
POT6-33	Negative Electrodes Based on Graphite Intercalation Compound for Energy Storage Device Application <i>Minho KIM¹, Jang-Woo LEE¹, Chong Min KOO^{1,2*} (Korea Institute of Science and Technology (KIST), University of Science and Technology, Korea)</i>
POT6-34	Controlling Work Function of Single-Walled Carbon Nanotubes for Thermo Electric Application <i>Jaeyoo CHO^{1,2}, Chongrae PARK¹, Heesuk KIM^{2*} (Seoul National University, Korea Institute of Science and Technology (KIST), Korea)</i>
POT6-35	Preparation and Activation of Carbon Aerogel for Use as EDLC Electrode: Effect of Activation Method <i>Soon Hyung KWON¹, Yeojin JEONG¹, Sang-Gil KIM², Bum-Soo KIM², Myung-Soo KIM¹, Ji Chul JUNG^{1*} (Myongji University, Vitrocell Co. Ltd., Korea)</i>
POT6-36	Electrochemical Performance of Electrode Material Manufactured by Using Coal Tar Pitch and Petroleum Pitch for EDLC <i>EunJi LEE, MyungSoo KIM* (Myongji University, Korea)</i>
POT6-37	Metal-decorated Macroporous Graphene Heterostructure for High-performance Energy Storage Applications <i>Yun Suk HUH^{4*}, Bong Gill CHO¹, Young-Kyu HAN², Young-Seak LEE³, (Kangwon National University, Dongguk University, Chungnam National University, Inha University, Korea)</i>
POT6-38	High Performance of Solid-State Flexible Supercapacitor Based on Graphene Films <i>Yun Suk HUH⁴, Bong Gill CHO¹, Young-Kyu HAN², Young-Seak LEE³ (Kangwon National University, Dongguk University, Chungnam National University, Inha University, Korea)</i>
Presentation No.	T7: Analysis, Characterization, Computation and Modelling of Carbons
POT7-01	Computer Simulations for Calculating of the Strain Energy in Heteroepitaxial Growing Diamond Films <i>Partizan G., Medyanova B.S., Mansurova M.E., Aliyev B.A., Mansurov B.Z.* (Al-Farabi Kazakh National University, Kazakhstan)</i>
POT7-02	Co-Adsorption of Toluene and Water Vapour on Oxidised High Surface Area Carbon <i>Krisztina LÁSZLÓ^{1*}, Bruno DEMÉ², Orsolya CZAKKEL², Erik GEISSLER³ (Budapest University, Hungary, Institut Laue Langevin, Université J. Fourier de Grenoble, France)</i>
POT7-03	Characterization of Glassy Carbon for UHV Structural Applications <i>Cedric GARION* (Vacuum, Surfaces and Coatings Group, CERN, Switzerland)</i>
POT7-04	Thermo-mechanical Studies on the LHC Injection Protection Devices for the HL-LHC Era <i>Fausto Lorenzo MACIARIELLO, O. ABERLE, V. KAIN, A. MEREGHETTI, F. CERUTTI, G.E. STEELE (CERN, Switzerland)</i>
POT7-05	Oxidation Reaction of Carbon Materials with Different Edge States <i>Miki KAWAI, Yasuhiro YAMADA*, Satoshi SATO (Chiba University, Japan)</i>
POT7-06	Bromination of Carbon Materials with Pentagon, Heptagon, and Oxygen <i>Jungpil KIM, Ryo FUJITA, Yasuhiro YAMADA*, Satoshi SATO (Chiba University, Japan)</i>
POT7-07	Difference in Oxidative Reactivity of Polycyclic Aromatic Hydrocarbons with Zigzag, Armchair, and 5-7 Ring Edges <i>Takehiro TANABE, Yasuhiro YAMADA*, Jungpil KIM, Satoshi SATO (Chiba University, Japan)</i>
POT7-08	Enzymatic Glucose Biosensor Electrode using Mesoporous Activated Carbon Fiber by K₂CO₃ Activation <i>Ji-Hyun KIM¹, Mi-Seon PARK¹, Eunjeong SHIN², Tae-Sung BAE², Young-Seak LEE^{1*} (Chungnam National University, Korea Basic Science Institute (KBSI), Korea)</i>
POT7-09	Molecular modeling of Single-Walled Carbon Nanotubes and Their Interactions with Lipids, PEGs, and Bilayers <i>Hwankyoo LEE* (Dankook University, Korea)</i>
POT7-10	A Study on Multi Scale Analysis for Tri-axial Braided Carbon/Epoxy Composites of Stabilizer bar <i>Dong Hwa LEE*, Ki Yang PARK (Doolim Robotics Co., Ltd, Korea)</i>

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POT7-11	Pitch Analysis by Dual Detector GPC <i>Tz-BangDU^{1,2*}, Kung-Hsun HUANG¹, Shyue-Ming JANG¹, Yan-Ping CHEN² (¹Industrial Technology Research Institute, ²National Taiwan University, Taiwan)</i>
POT7-12	Analysis of the Effect of Temperature Treatment on the Carbon Microstructure of Pitches <i>Marc O. LOEH¹, J. METZ², B. M. SMARSLY^{1*} (¹Justus Liebig University, ²Schunk Kohlenstofftechnik GmbH, Germany)</i>
POT7-13	Effect of Ball-Milling on the Thermal Oxidation and Explosibility of Nuclear Graphite <i>Eung-Seon KIM^{1*}, Min-Hwan KIM¹, Yi-Hyun PARK², Seung-Yon CHO² (¹Korea Atomic Energy Research Institute, ²National Fusion Research Institute, Korea)</i>
POT7-14	Effect of Electrode Density on Electrochemical Performances of Negative Carbon Electrode for Lithium Ion Capacitor <i>Sungdo YUN[*], Sunhye YANG, Jun-Woo PARK, Siwoo NOH, Joon-Hyuk BAN, Ick-Jun KIM (Korea Electrotechnology Research Institute, Korea)</i>
POT7-15	Raman Spectroscopy of Metal-carbon Films <i>A.V. SMIRNOV¹, V.D.KOCHAKOV¹, V.S.LEVICKIY², A.V.KOKSHINA¹, A.V.MIKHAILOV (¹Chuvash State University, ²The Institute named after A. F. Ioffe, ³The Chuvash Pedagogical Unoversity, Russia)</i>