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**Host** Ministry of Science, ICT & Future Planning  
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**P1502\_817** Photoresponsive characteristics of the hybrids of MoS<sub>2</sub> nanosheets deposited with Au

*Jun Young Kim(Korea University), Jinsoo Joo(Korea University)*

**P1502\_818** Hybrid nanorods of rubrene and gold nanoparticles: Enhanced photoluminescence and optical waveguiding properties

*Hyungseok Hwang(Korea University), Jinsoo Joo(Korea University)*

**P1502\_837** DNA origami design framework for plasmonics

*YoungJoo Kim(Seoul National University), ChanSeok Lee(Seoul National University), JaeYoung Lee(Seoul National University), Do-Nyun Kim(Seoul National University)*

**P1502\_864** Roll-to-roll fabrication of stacked graphene metamaterials for electromagnetic waves

*Bongkyun Jang(Korea Institute of Machinery and Materials (KIMM)), Jae-Hyun Kim(Korea Institute of Machinery and Materials(KIMM))*

**P1502\_872** Photovoltaic performance-enhancing biomimetic PDMS anti-reflection film

*Yong H. Ghym(Korea Institute of Science and Technology (KIST)), Il Ki Han(Korea Institute of Science and Technology (KIST)), Hyungduk Ko(Korea Institute of Science and Technology (KIST))*

**P1502\_891** Fabrication and optical characterization of Si nanopillar arrays for high performance optoelectronic device applications

*Eunah Kim(Ewha Womans University), Yunae Cho(Ewha Womans University), Ahrum Sohn(Ewha Womans University), Hyeong-Ho Park(Korea Advanced Nano Fab Center (KANC)), Joondong Kim(Incheon National University), Dong-Wook Kim(Ewha Womans University)*

**P1502\_904** A Highly Miniaturized Acoustic Metamaterial Sensor

*Kyungjun Song(Korea Institute of Machinery and Materials (KIMM)), Shin Hur(Korea Institute of Machinery and Materials (KIMM)), Jedo Kim(Pukyong National University), Kyungjun Song(Korea Institute of Machinery and Materials (KIMM))*

**P1502\_936** Synthesis of Graphene Oxide Sheet/Bi<sub>2</sub>Te<sub>3</sub> Nanocomposite Powders from Ag Nanocrystals-decorated Graphene Oxide

*Yeong Seong Eom(Korea Institute of Materials Science (KIMS)), Jae Yeol Woo(Korea Institute of Materials Science (KIMS)), Kyung Tae Kim(Korea Institute of Materials Science (KIMS))*

**P1502\_953** Printing color using resonant scattering at dielectric nanoparticles

*Seok hyeon Hong(Chung-Ang University), Tae-Woo Lee(Chung-Ang University), Soon-hong Kwon(Chung-Ang University)*

**P1502\_957** Predicting mechanical flexibility of DNA origami nanostructures for plasmonic applications

*Chanseok Lee(Seoul National University), Jae Young Lee(Seoul National University), Young Joo Kim(Seoul National University), Do-Nyun Kim(Seoul National University)*

**P1502\_958** Design of a small bandpass filter based on composite right/left-handed metamaterial

*Dong-Uk Sim(Electronics and Telecommunications Research Institute (ETRI)), Sang-IL Kwak(Electronics and Telecommunications Research Institute (ETRI)), Jong-Hwa Kwon(Electronics and Telecommunications Research Institute (ETRI)), Seong-Ook Park(Korea Advanced Institute of Science and Technology (KAIST)), Dong-Uk Sim(Electronics and Telecommunications Research Institute (ETRI))*

**P1502\_959** Distinctive optical characteristics of wet and non-wet Si nanopatterns

*Sujung Kim(Ewha Womans University), Minji Gwon(Ewha Womans University), Chang Chen(IMAC), Dong-Wook Kim(Department of Physics, Ewha Womans University)*

**P1502\_1075** Interfacial coatings for highly luminescent phosphor glass composite plates

*Jong-Woo Moon(Korea Institute of Materials Science (KIMS)), Kyung-Tae Kim(Korea Institute of Materials Science (KIMS)), Tae-Ho Park(BASS Inc.), Young-Kuk Kim(Korea Institute of Materials Science (KIMS))*

**P1502\_1082** Laser tuning with a dye-doped cholesteric liquid crystal cell by temperature control

*Jihun Cha(Gyeongsang National University), Mi-Yun Jeong(Gyeongsang National University), Mi-Hyun Jeong(Gyeongsang National University)*

## TS03. Nanomaterials

**P1503\_004** Preparation of divanillin from lignin biomass and elastine-like peptide for the functional synthesis of polymaterials

*Haemin Gang(Seoul National University), Sang-Hyuk Lee(Seoul*

*National University), Ju-Eun Lee(Seoul National University), JinKyung Choi(Seoul National University), Byung-gee Kim(Seoul National University)*