

논문실적

학술지명	논문명	주저자명 (제1저자)	공동저자명	볼륨번호	논문페이지
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Near-Infrared-III-Absorbing and -Emitting Dyes: Energy-Gap Engineering of Expanded Porphyrinoids via Metallation	Yue Wang	Koki Ogasahara;Daisuke Tomihama;Radomir Mysliborski;Masatoshi Ishida;Yongseok	59(37)	16161
Chemistry-An Asian Journal	Porphyrin-Ryleneimide Hybrids: Low-Bandgap Acceptors in Energy-Transfer Cassettes	Ewelina Janiga	Gakhyun Kim;Piotr J. Chmielewski;Tadeusz Lis;Dongho Kim;Marcin Stepień	15(18)	2854
JOURNAL OF THE AMERICAN CHEMICAL	Tetrameric and Hexameric Porphyrin Nanorings: Template Synthesis and Photophysical Properties	Chihiro Maeda	Shoki Toyama;Naoki Okada;Kazuto Takaishi;Seongsoo Kang;Dongho Kim;Tadashi	142(37)	15661
ORGANIC LETTERS	Porphyrin-Ryleneimide Hybrids: Tuning of Visible and Near-Infrared Absorption by Chromophore Desymmetrization	Sunit Kumar	Yogesh Kumar Maurya;Seongsoo Kang;Piotr Chmielewski;Tadeusz Lis;Joanna Cybiń	22(18)	7202
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Ultrafast Exciton Self-Trapping and Delocalization in Cycloparaphenylenes: The Role of Excited-State Symmetry in Electron-Vibrational Coupling	Juno Kim	Ryohei Kishi;Eiichi Kayahara;Woojae Kim;Shigeru Yamago;Masayoshi	59(39)	16989
Small	Electrochemical Charging Effect on the Optical Properties of InP/ZnSe/ZnS Quantum Dots	Jumi Park	Yu-Ho Won;Taehyung Kim;Eunjoo Jang;Dongho Kim	16(41)	1
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solid-State Miniatures	Juno Kim	Hao Ting Teo;Yongseok Hong;Juwon Oh;Hyungjun Kim;Chunyan Chi;Dongho Kim	59(47)	20956
CHEMISTRY-A EUROPEAN JOURNAL	Noncovalent Intermolecular Interaction in Cofacially Stacked 24p Antiaromatic Hexaphyrin Dimer	Gakhyun Kim	Ranjan Dutta;Won-Young Cha;Seong-Jin Hong;Juwon Oh;Dikhi Firmansyah;Hongil	26(69)	16434
JOURNAL OF POLYMER SCIENCE	Divergent Strategy for the Synthesis of Bottlebrush Polymers via Post-polymerization Modification of Macromonomer	Nam Joo Lee	Dongseok Kim;Kwangho Yoo;Yeji Yu;Byeong-Su Kim;Jeung Gon Kim	58(22)	3237
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BIOMACROMOLECULES	Facile Synthesis of Poly(ethylene oxide)-Based Self-Healable Dynamic Triblock Copolymer Hydrogels	Youngjoo Hong	Jung-Min Kim;Hyunjoon Jung;Kyungtae Park;Jinkee Hong;Soo-Hyung Choi;Byeong-	21(12)	4913
ChemCatChem	Indium Phosphide Quantum Dots Integrated with Cadmium Sulfide Nanorods for Photocatalytic Carbon Dioxide Reduction	Khai H. Do	D. Praveen Kumar; A. Putta Rangappa; Yul Hong; D. Amaranatha Reddy; Tae Kyu Kim	12(18)	4550
JOURNAL OF CATALYSIS	Synergetic catalytic behavior of dual metal-organic framework coated hematite photoanode for photoelectrochemical water splitting performance	Da Hye Hong	D. Amaranatha Reddy;K. Arun Joshi Reddy;Madhusudana Gopannagari;D.	391	471
ACS Applied Energy Materials	Construction of a Highly Efficient and Durable 1D Ternary CdS/ZnS/Pt Nanohybrid Catalyst for Photocatalytic CO ₂ Reduction into Chemical Fuels	A. Putta Rangappa	D. Praveen Kumar;Yul Hong;Seonghyun Jeong;D. Amaranatha Reddy;Jae Kyu	3(11)	10533
ANALYTICAL AND BIOANALYTICAL	Exercise-induced recovery of plasma lipids perturbed by ageing with nanoflow UHPLC-ESI-MS/MS	Kang Uk Kim	Kyeong Jin Yoon;Suhong Park;Jong Cheol Lee;Hyo Youl Moon;Myeong Hee Moon	412(28)	8003
Annals of Translational Medicine	Lipidomic signatures of post-hepatectomy liver failure using porcine hepatectomy models	Hye-Sung Jo	Hae A Kim;Jong Cheol Lee;Kyung Chul Yoon;Young-In Yoon;Yoon Young Choi;Jin-I	8(21)	1363
ANALYTICAL CHEMISTRY	Mitochondrial Cl ⁻ -Selective Fluorescent Probe for Biological Applications	Sang-Hyun Park	Insu Shin;Young-Hyun Kim;Injae Shin	92(18)	12116
CHEMICAL COMMUNICATIONS	Cancer cell death using metabolic glycan labelling techniques	Sang-Hyun Park	Hyoje Jeong;Hosoowi Lee;Tae Min Kim;Jin Won Cho;Woo-Dong Jang;Ji Young	56(73)	10650

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ACS Macro Letters	Bacterial Lectin-Targeting Glycoconjugates for Selective Elimination of Pathogenic Bacteria	Ji Young Hyun	Chang-Hee Lee;Hosoowi Lee;Woo-Dong Jang;Injae Shin	9(10)	1429
Nature Communications	Highly efficient oxygen evolution reaction via facile bubble transport realized by three-dimensionally stack-printed catalysts	Ye Ji Kim	Ahyoun Lim;Jong Min Kim;Donghoon Lim;Keun Hwa Chae;Eugene N Cho;Hyeuk Jin	11(1)	4921
CHEMISTRY OF MATERIALS	Insights into the Metal-Exchange Synthesis of MAg ₂₄ (SR) ₁₈ (M = Ni, Pd, Pt) Nanoclusters	Minseok Kim	K. L. Dimuthu M. Weerawardene;Woojun Choi;Sang Myeong Han;Juwon	32(23)	10216
ORGANIC & BIOMOLECULAR	Lewis acid-catalyzed double addition of indoles to ketones: synthesis of bis(indolyl)methanes with all-carbon quaternary centers	Si On Lee	Jeongin Choi;Seunghoon Kook;Sarah Yunmi Lee	18(44)	9060
JOURNAL OF ORGANIC CHEMISTRY	Boron Lewis Acid-Catalyzed Hydrophosphinylation of N-Heteroaryl-Substituted Alkenes with Secondary Phosphine Oxides	Jimin Han	Jongwon Kim;Jaehoo Lee;Younghun Kim;Sarah Yunmi Lee	85(23)	15476
CHEMICAL COMMUNICATIONS	Strapped calix[4]pyrrole as a lithium salts selective receptor through separated ion-pair binding	Kyeong-Im Hong	Hyeongcheol Kim;Younghun Kim;Moon-Gun Choi;Woo-Dong Jang	56(72)	10541
CHEMICAL COMMUNICATIONS	Cancer cell death using metabolic glycan labelling techniques	Sang-Hyun Park	Hyoje Jung;Hosoowi Lee;Tae Min Kim;Jin Won Cho;Woo-Dong Jang;Ji Young	56(73)	10650
MACROMOLECULES	Formation of Supramolecular Polymers from Porphyrin Tripods	Hosoowi Lee	Dajung Lee;Inhye Kim;Eunji Lee;Woo-Dong Jang	53(18)	8060
ACS Macro Letters	Bacterial Lectin-Targeting Glycoconjugates for Selective Elimination of Pathogenic Bacteria	Ji Young Hyun	Chang-Hee Lee;Hosoowi Lee;Woo-Dong Jang;Injae Shin	9(10)	1429
ADVANCED SCIENCE	Enhancement of Energy Transfer Efficiency with Structural Control of Multichromophore Light-Harvesting Assembly	Inhwan Oh	Hosoowi Lee;Tae Wu Kim;Chang Woo Kim;Sunhong Jun;Changwon Kim;Eun Hyuk	7(20)	2001623
ChemPlusChem	Aromatic Helical Foldamers as Nucleophilic Catalysts for the Regioselective Acetylation of Octyl β -d Glucopyranoside	Guenmoo Song	Kyu-Sung Jeong	85(11)	2475
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Template-Directed Quantitative One-Pot Synthesis of Homochiral Helical Receptors Enabling Enantioselective Binding	Kyung Mog Kim	Geunmoo Song;Seungwon Lee;Hae-Geun Jeon;Woojeong Chae;Kyu-Sung Jeong	59(50)	22475
NANO LETTERS	Intense Dark Exciton Emission from Strongly Quantum-Confined CsPbBr ₃ Nanocrystals	Daniel Rossi	Xiaohan Liu,Yangjin Lee,Mohit Khurana,Joseph Puthenpurayil,Kwanpyo	20	7321
Nature Biomedical Engineering	Fast detection of SARS-CoV-2 RNA via the integration of plasmonic thermocycling and fluorescence detection in a portable device	Jiyong Cheong	Hojeong Yu;Chang Yeol Lee;Jung-uk Lee;Hyun-Jung Choi;Jae-Hyun Lee;Hakho	4(12)	1159

특허 실적

구분 (국내/해외)	출원국	출원번호	발명의 명칭	등록기관	등록일	전체 발명인 성명
국내등록	KR	10-2172084-0000	금 나노클러스터와 이의 제조방법 및 이를 포함하는 혈당 센서	연세대학교 산학협력단	20201026	이동일,표경림
국내등록	KR	10-2196703-0000	삼중금속 나노클러스터와 이의 제조방법, 및 수소기체 발생용 삼중금속 나노클러스터 촉매	연세대학교 산학협력단	20201223	이동일,최우준,곽규주
국내등록	KR	10-2172152-0000	고내열성 탄소나노튜브 및 이를 포함하는 고분자 복합재	주식회사 엘지화학;연세대 학교 산학협력단	20201026	장형식,주상용,장명수,김소민,강경연, 조동현
국내등록	KR	10-2174536-0000	폴리아미드-탄소나노튜브 나노 복합체 및 이의 제조방법	연세대학교 산학협력단	20201030	주상용,박민석

기술이전 실적

구분	지역	기술실시 계약명	기술료계약체결일	기술실시 대상기관명
Know-how관련 기술이전	국내	cfDNA 및 sheared genomic DNA의 NGS 라이브러리 준비 과정에서 특정 타겟 영역을 증폭함으로써, hybridization 반응의 효율을 증진시키고, 특정타겟 영역에서 낮은 allele frequency까지 민감한 분석을 가능케 하는 방법론에 관한 노하우	20200922	(주)아이엠비디엑스