

No.	Biomedical Technology	漢字名前	School	Title
BP1	Yen-Fen Ko	柯雁芬	Department of Biomedical Engineering, National Cheng Kung University	Prediction of Weaning Based On Artificial Intelligence by Using Respiratory Rate Variability Analysis
BP2	Le Quoc Anh	黎安	Graduate Institute of Biomedical Engineering, National Chung Hsing University,	Analysis of Metal Ion Release from TiAl ₄ V Exerts Bone Implan
BP3	Keiko Deguchi	出口 惠子	Department of Applied Chemistry and Biotechnology, School of Engineering University of Fukui	Epithelial-Mesenchymal Transition Induced by Fibrous Microenvironment in Cancer Metastasis
BP4	Jia-De Yan	顏嘉德	Department of Bio-Industrial Mechatronics Engineering, National Chung Hsing University,	Development of An Automatic System for Measuring Cellular Respiratory Activity
BP5	Yen-Chung Lu	盧彥仲	Graduate Institute of Biomedical Engineering, National Chung Hsing University	The Chemical Characteristics and Biocompatibility of Polyurethane Made of 1,6-Hexane Diisocyanate and Polytetramethylene Oxide
BP6	Minoru Matsumura	松村 実莉	Department of Applied Chemistry and Biotechnology, School of Engineering University of Fukui	Fabrication of Hydrogel Nanofiber by Core-Shell Electrospinning
BP7	Hou-Chun Huang	黃厚竣	Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University	The Interconnections of Metabolism and Mechanotransduction in Colorectal Cancer
BP8	Nai-Jia Chen	陳乃嘉	Department of Biomedical Engineering, National Chung Hsing University	Investigation of The Improvement of Electrical Sensitivity of Reduced-graphene-Oxide-Nanoribbons Based Biosensors under Vaired Wavelengths of Light
BP9	Kazuki Hishii	菱井 和樹	Department of Fiber Science and Technology, University of Fukui	Construction of Multi-enzyme System on Bioanode Aimed at High Performance Biofuel Cells
BP10	Chong-Chun Liao	廖崇淳	Department of Biomedical Engineering and Microenvironmental Sciences, National Tsing Hua University	Effect of Coenzyme Q10 on Astrocyte to Radiation Treatment
BP11	Shunsuke Taki	多喜 俊介	Department of Fiber Science and Technology, University of Fukui	Improvement of Electron Transfer Efficiency Between an Electrode and Enzyme Using His-tagged at N or C Terminal of Multicopper Oxidase
BP12	Ho-Anh Thang	胡英生	Department of Biomedical Engineering, National Cheng Kung University	Development of an Inverse-opal Photonic Crystal Biosensing Device with Enhanced Fluorescence
BP13	Zong-Zhan Wu	吳宗展	Department of Biomedical Engineering, National Cheng Kung University	The Practicality of An Electrokinetic Platform for Rapid Bacterial Quantification
BP14	Mislani	蜜安妮	Department of Biomedical Engineering, National Cheng Kung University	Immunofluorescence Assay of Dengue Virus by Dielectrophoretic Microfluidic Chip
BP15	Yi-Ting Kuo	郭怡婷	Department of Biomedical Engineering, National Cheng Kung University	Development of An In Vitro 3D Spheroid Culture Platform for Investigation On The Pathogenesis of Ligamentum Flavum Hypertrophy
No.	Environmental Technology	漢字名前	School	Title
EP1	Narumi Shiraiishi	白石 成美	Graduate School of Enivermental Studies, Tohoku University,	Preparation of Luminescent Materials with a Water-Soluble Terbium(III)-Thiacalix[4] Arene Complex
EP2	Yoshiki Obonai	生内 良樹	Research Center of Supercritical Fluid Technology, Graduate School of Engineering,Tohoku University	A Study of Solubility and Diffusivity of CQ In Poly(methylmethacrylate(MMA)- co -ethylacrylate(EA)) to Design Controlled Release Material
EP3	Shuo-Wen Chen	陳碩文	Institute of Biomedical Engineering, National Tsing Hua University,	A Textile-based Triboelectric Nanogenerator and Its Applications in Self-Powered Smart Sensors
EP4	Yusuke Ueno	上野 裕介	Research Center of Supercritical Fluid Technology, Graduate School of Engineering, Tohoku University	Study on Counter-Current Extraction by Supercritical CO ₂ Based On High-pressure Phase Equilibria with Chemical Engineering Model
EP5	Yuta Sugimoto	杉本 祐太	Research Center of Supercritical Fluid Technology, Graduate School of Engineering, Tohoku University	Development of Co-solvent Selection Guide for Supercritical CO ₂ Extraction and Fractionation
EP6	Tzu-Hsuan Chuang, Guat-Yee Toh	莊子瑩、杜悅意	Institute of Environmental Engineering, National Chiao Tung University	Rice Straw Nano Fibrillated Cellulose Based Microfluidic Sensing Device
EP7	Chisato Yoneyama	米山 知里	Research Center of Supercritical Fluid Technology, Graduate School of Engineering Tohoku University	Developent a Rolling-Ball Viscometer for Measuring Viscosity, Density and Bubble-point Pressure of Expanded Liquids
EP8	Tsubasa Miura	三浦 翼	Graduate School of Environmental Studies, Tohoku University	Optimization of Protease in Enzyme Cascade Reaction for Protein Sensing
EP9	Xuan Huang	黃暄	Department of Bio-Industrial Mechatronic Engineering, National Chung Hsing University	A Novel Method for The Fabrication of Electrochemical Gas Sensors
No.	Chemical Technology	漢字名前	School	Title
CP1	Nobuhiro Shimamura	島村 宣寛	Graduate School of Science and Engineering, Yamagata University	Polypyrrole Coated Honeycomb Films with MnO ₂ Nanoparticles for Capacitor Electrode
CP2	Kei Takane	高根 慧	Department of Chemistry and Chemical Engineering, Graduate School of Science and Engineering, Yamagata University	Energy-saving and Cost analysis of Distillation, Membrane Separation and Membrane Distillation Hybrid Separation Process
CP3	Chun-Ming Chiu	邱俊銘	Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University	Preparation and Biological Assessment of 6-Boronopinacol Tryptophan Analogs and 5-Boronfenbufen for Boron Neutron Capture Therapy
CP4	Ryosuke Akimoto	秋元 良祐	Department of Chemistry and Chemical Engineering, Graduate School of Science and Engineering, Yamagata University	Development of Cascade Organic Rankine Cycle and Their Power Generation Performances
CP5	Ikki Shimizu	清水 一生	Department of Chemical Engineering, Tohoku University	Effects of Operational Factors on Ultrasonic Synthesis of Silver Nanoparticles from Silver Oxide
CP6	Megawati Intan Sari	黃清清	Department of Paper-based Chromatography Chip for Histamine Detection, National Chung Hsing University	Development of Paper-Based Electrochromatography Chip for Detection of Glycated Hemoglobin (HbA1c)
CP7	Yushi Komatsu	小松 侑史	Department of Chemical Engineering, Tohoku University	Correlation of Density of Monohydric and Dihydric Alcohol-Water Mixtures
CP8	Kakeru Ouchi	大内 翔	Department of Chemical Engineering, Tohoku University	Targeting Catalyst Specification to Achieve Low Net Carbon Emission
CP9	Hsien-Hung Wei, Tzu-Miao Lin, Jia-Liang Hong, Che-Cheng Liu	魏憲鴻, 林姿妙, 洪嘉良, 劉哲呈	Department of Chemical Engineering, National Cheng Kung University	Electrokinetic Microdevice for Rapid and Ultrasensitive Quantum Dot Based FRET Molecular Sensing
CP10	Masaku OTANI	大谷 雅輝	Department of Chemistry and Chemical Engineering, Graduate School of Science and Engineering, Yamagata University	Multiscale Analysis for The Inner Structure of Porous TiQ Using FIB-SEM
CP11	Sheng-Jye Lim		Department of Biomedical Engineering, National Cheng Kung University	Semi-quantitative Dengue Biomarker Detection by Card-Based Biosensor
CP12	Neil Adrian Ondevilla		Department of Biomedical Engineering, National Cheng Kung University	Development of AC Electrokinetics-Based Immunoassay for Rapid, Sensitive and Label-Free Analysis of Antibody-Antigen Binding