

Paper ID	Category	Paper Title	Authors
250018	[GCBME] Medical Electronics	Development of Graphene/Polypyrrole Nanocomposite-based SAW Sensors and Its Clinical Applications in Detection of Sub-ppm Ammonia	Shao-Kai Lai Chi-Yen Shen Tien-Tsan Hung Yao-Wei Chuang
250020	[GCBME] Biomechanics	Prediction Traditional Hand Function Assessment through an Innovative Medical Device with Deep Learning	Pu-Chun Mo I-Te Tu Li-Chieh Kuo Hsiu-Yun Hsu Fong-Chin Su
250021	[GCBME] Biomechanics	Dimension Reduction of Time Series Data from Sensorimotor Function through Autoencoder	Pu-Chun Mo I-Te Tu Cheng-Feng Lin Charlie Chen Ma Li-Chieh Kuo Hsiu-Yun Hsu Yih-Kuen Jan Fong-Chin Su
250022	[GCBME] Health Informatics	Investigating the Connection between the Biomarkers in Blood and Hand Sensibility in Hemodialysis Patients	I te TU Yu-Shiuan Cheng Pu-Chun Mo Hsiu-Yun Hsu Li-Chieh Kuo I-Ming Jou Fong-Chin Su
250024	[GCBME] Material Science	Strawberry Extract Facial Mask Function and Biocompatibility Test	劉承祐 徐鼎鈞 林峻誼 吳翎瑄 張軒儒 王明誠
250025	[GCBME] Medical Imaging	Influence of Target Volume to Prediction Accuracy of Tumor Segmentation using U-Net on MRI for Hypopharyngeal Cancer	Shao-Chi Lin Chi-Yi Ho Yu-Chun Lin Shu-Hang Ng
250028	[GCBME] Medical Imaging	Deep Learning Technology and System Development in application to Gynecologic Oncology	Ching-Wei Wang Tai-Kuang Chao Huang-Chun Lien Yung-Ming Jeng
250030	[GCBME] Health Informatics	Interleukin-6 Rapid Diagnostic System for Sequential Monitoring Respiratory Failure in Elderly Pneumonia	Cheng-Han Chen Chao-Min Cheng
250031	[GCBME] Material Science	Molecularly targeted photothermal ablation of epidermal growth factor receptor-expressing cancer cells with a polypyrrole-iron oxide-afatinib nanocomposite	Lekshmi Rethi Chinmaya Mutalik Lekha Rethi Wei Hung Chiang Hsin-Lun Lee Wen Yu Pan Tze-Sen Yang Jeng-Fong Chiou Yin-Ju Chen Er Yuan Chuang Long Sheng Lu
250034	[GCBME] Biomechanics	C-terminus of Hsc70-interacting protein (CHIP) expression enhances survival, anti-senescence and stemness abilities in human Wharton's jelly mesenchymal stem cell	Chun-Hsu Yao Tung-Sheng Chen
250035	[GCBME] Medical Imaging	Decoupling of Brain Connectivity and Heart Rate Variability Underlies Dysautonomia in Familial Amyloid Polyneuropathy	Yuan-Che Min Ming-Chang Chiang

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250043	[GCBME] Assistive Technologies	Improving the performance of a deep learning-based speech enhancement system by the scene flow technology: A hearing aid application	You-Ren Lin Bo-Sin Wang Wei-Zhong Zheng Ji-Yan Han Yu-Min Lin Wen-Huei Liao Ying-Hui Lai
250044	[BISC] Photonics & Optoelectronics	Custom-Made Photoacoustic System on Tumor Blood Vessels and Oxygen Saturation Measurement for Small Animals	YU-FONG LIOU Shih-Po Su Huihua Kenny Chiang
250046	[GCBME] Health Informatics	Quantitative Assessment of Physical Changes Based on Acoustic Parameters after Drinking Different Attributes of Beverages	Chuang-Chien Chiu Lun-Chien Lo Yu-Hsien Chen Hsiang Wang Cheng-Ru Yang
250047	[GCBME] Medical Electronics	A Safer Bone-Cement Infusion System for Assisting Osteoporotic Vertebral Compression Fracture Surgeries	Chu Woei Chyn Chen Jhong Yi Hsu Yung Fu Lin Jia Yi Tseng Yin Jiun Hwang Shiu Ren Liu An Shun Cheng Shih Hao Tsuei Yu Chuan Chu William
250051	[GCBME] Medical Imaging	Prediction of real-time left ventricular ejection fraction using deep learning algorithm	Madankumar Balasubramani Chih-Wei Sung Mu-Yang Hsieh Edward Pei-Chuan Huang Jiann-Shing Shieh

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250056	[GCBME] Health Informatics	Early Warning Score Prediction using Machine Learning Applied in Cardiovascular Intensive Care Unit	Zi-Xuan Yang Ho-Tsung Hsin Jiann-Shing Shieh
250060	[BISC] Photonics & Optoelectronics	Prediction based on machine learning of operation outcome from peripheral arterial occlusive disease	Yung-Chang Chen Pin-Yu Kuo Jen-Kuang Lee Chau-Chung Wu Chia-Wei Sun
250061	[GCBME] Medical Electronics	Cross-domain CNN transfer learning from EEG to heart rate applied to sleep staging	Wen-Chen Huang Chia-Yen Yang
250062	[GCBME] Biomechanics	Mechanical analysis of the porous dental implant with triply periodic minimal surface lattice	Hung-chih Chang Chen-Gyi Yang Yu-Tang Ji Pin-Xin Guo Yu-Chi Chen
250064	[BISC] Photonics & Optoelectronics	Applying Machine learning to extracorporeal membrane oxygenation patients using functional near-infrared spectroscopy	Chang Yi Lee Ting-Wei Chiang Hsiao-Huang Chang Chia-Wei Sun
250065	[GCBME] Biomechanics	ECG classification using continuous wavelet transform and convolutional	Ting-Chi Hou Maysam Abbod Jiann-Shing Shieh
250067	[GCBME] Medical Electronics	Non-invasive continuous arterial blood pressure monitoring via PPG	Najsm Cox Maysam Abbod Jiann-Shing Shieh
250070	[BISC] Photonics & Optoelectronics	Analysis of police overwork degree by functional near-infrared spectroscopy: taking the Copenhagen overwork scale as a standard	許廷鴻 謝清彥 劉耀鴻 王文瑜 林慶波 孫家偉
250080	[GCBME] Medical Imaging	Automatic Segmentation of Calcified Plaques and Vessel Borders with 2D Spatial Multilayer Machine Vision Classifier	Chia-Hung Lin
250081	[GCBME] Medical Electronics	The Synthesized Conductive/Magnetic Composite Particles for Tumor Magnetic Ablations	Jen-Jie Chieh, Shu-Hsien Liao Ting-Yuan Chen, Wen-Chun Wei
250083	[GCBME] Biomechanics	Remote and local generation of microstreaming vortices by focused ultrasound with vortex lens	Chih-Hsien Li Ching-Hsiang Fan
250085	[GCBME] Biomechanics	Intelligent meal carbohydrate recognition and evaluation based on blood glucose regulation for type 1 diabetic patients	Kai-Chieh Tu Tsung-Chih Lin
250088	[GCBME] Medical Imaging	Dual-Modality Bioluminescence/ Ultrasound 3D 360o Imaging System for Small Animal Tumor Imaging Using Homemade Transducers	Yuan Zhen Yang Shih-Po Su Yun-Chen Lee Huihua Kenny Chiang
250090	[GCBME] Material Science	Design and Development of Atmospheric Plasma Sterilization with Dialysis Machine	Cheng Kuo Tung 李東錦 林慶元 林秉郁 梁能昕 陳祐陞 林宏達 王明誠
250091	[GCBME] Biology	Mechanisms of ultrasound-microbubble cavitation for inducing the permeability of human skin	Ai-Ho Liao Yu-Chen Chen Chih-Hung Wang Shun Cheng Chang Jehng-Kang Wang

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250092	[GCBME] Medical Imaging	Micro-bubble composite medical material combined with ultrasound for the development of head and neck diseases and tumor immunotherapy	Ai-Ho Liao Chih-Hung Wang Cheng-Ping Shih Yu-Hsiang Chu Jehng-Kang Wang
250095	[GCBME] Material Science	Hepatic Patch for Liver Regeneration after CCl4 Poisoning	Ting Yi Wu Yi Cheng Hsieh Yung Te Hou
250096	[BISC] Photonics & Optoelectronics	Biodegradable and implantable polymer optical waveguide plate for guiding lightwaves into biological tissue	Ai-Wei Li Cheng-Yang Liu
250100	[GCBME] Medical Imaging	Monitoring of Pleural Respiratory Signals	Hsiao Tung Hsu Shih Hua Wang Hui Hua Chiang
250102	[GCBME] Health Informatics	Self-attention-based Pre-impact Fall Detection System Using Wearable Sensors	Tin-Han Chi Chien-Pin Liu Chia-Yeh Hsieh Kai-Chun Liu Chia-Tai Chan
250104	[GCBME] Medical Imaging	Portable electrical impedance tomography for lower limb edema	Chang-Lin Hu I-Cheng Cheng Zong-Yan Lin Chien-Ju Li Chii-Wann Lin
250105	[GCBME] Material Science	Design and Testing of Porous Artificial Tooth Roots for 3D Printing Techniques	Feng Min Lai Po Chun Shin Yu Yi Wang Pei Xuan Wu Fu Hsuan Yang Yu Xiu Huang Xin You Ji
250110	[GCBME] Medical Imaging	An Efficient Superimposition Method for Surgical Accuracy Assessment	Yu-Ching Hsiao Jing-Jing Fang
250111	[GCBME] Biomechanics	GAT-based through-the-eyelid tonometry for intraocular pressure monitoring	De-Yi Chiou Chi-Shen Chang Chun-Chuan Lin
250112	[GCBME] Medical Imaging	Lesion delineation framework for vestibular schwannoma, meningioma and brain metastasis for gamma knife radiosurgery using stereotactic magnetic resonance images	Yu-Te Wu Wei-Kai Lee Huai-Che Yang Cheng-Chia Lee Chia-Feng Lu Chih-Chun Wu Wen-Yuh Chung Hsiu-Mei Wu Wan-Yuo Guo
250115	[GCBME] Medical Imaging	Integrating Artificial Intelligence Services in Radiology for Diagnostic Assistance	Chin-Lin Lee Woei-Chyn Chu Chung-Yueh Lien Wei-Kai Lee Yu-Te Wu Wan-Yuo Guo

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250117	[BISC] Photonics & Optoelectronics	Unsupervised Cross-modality Segmentation and Isotropic Restoration by Pseudo-mask Assisted Deep Generative Network	Meng-yun Wu Ya-ding Liu Da-yu Huang Li-An Chu Gary Han Chang
250119	[GCBME] Medical Imaging	Generative Adversarial Networks for MRI to Different Types of PET Synthesis and Comparison	Jie Ji
250120	[GCBME] Medical Imaging	Development of Surgical Planning and Patient Specific Instrument for High Tibial Osteotomy Surgery	Pei-Rou Chang Wei-Chih Tsemg Jing-Jing Fang
250121	[GCBME] Medical Electronics	Portable Electrochemical Impedance Spectroscopy Device Implementation	Yu-Rong Wang Jung-Chih Chen
250122	[GCBME] Material Science	Enhanced Corrosion Resistance and Promoted Bone Healing Ability of Dicalcium Phosphate Dihydrate Coating on ZK60 Magnesium Alloy	Jie-Yu Chen Guan-Lin Wu Chin-En Yen Ming-Long Yeh
250123	[GCBME] Biomechanics	Construction of a musculoskeletal system for mechanics and EMG analysis	Bo-Sheng Jiang Kuo-Kuang Jen Chia-Wei Lee Shin-Shiue Chen Chi-Kae Wang Shu-Ta Hsieh Ming-Fang Luo Sheng-Yen Hu Yuan Kang Tzong-Rong Ger
250124	[GCBME] Biomechanics	Evaluate the Biomechanical Stability of Different Glenoid Defect Angles for Latarjet Procedure: A Finite Element Analysis	Chun-Kai Chiu Guan-Lin Wu Ming-Long Yeh
250125	[GCBME] Material Science	To Explore the Application of Temperature-sensitive and Photo-sensitive Hydrogel in Cartilage Tissue Engineering	Wang-Ching Hung Guan-Lin Wu Yu-Jia Hou Chih-En Ke Ming-Long Yeh
250127	[GCBME] Medical Electronics	Explore the effect of magneto-thermal therapy through the number of MNPs in single cell on melanoma	Ping-Wei Tseng Jou-Hsuan Huang Chi-Hui Wang Tzong-Rong Ger
250128	[GCBME] Material Science	Development of electric heating thin films by using polycaprolactone/polypyrrole composite materials	Xing-Yi Li Wei-Jie Wang Yi-Ting Shu Wu-Zhang Su Tzong-Rong Ger
250129	[GCBME] Medical Electronics	A predicting system for epileptic seizures base on transfer learning from EEG to ECG	Pin Chen Chen Chia-Yen Yang
250131	[GCBME] Medical Imaging	Design and Implementation of the Open-Source DICOM Viewer for Whole Slide Image in Digital Pathology	Shao Yu Chen Chung-Yueh Lien Pau-Choo Chung Chin-Lin Lee
250132	[BISC] Photonics & Optoelectronics	Image Restoration Based on Deep learning in Millisecond-scale Two-photon Fluorescence Volumetric Microscopy	Chien-Sheng Wang

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250134	[GCBME] Health Informatics	Deep Learning-based Segmentation of Functional Shoulder Sub-Task for Frozen Shoulder Assessment	En Ping Chu Ting-Yang Lu Chien-Pin Liu Chia-Yeh Hsieh Chih-Ya Chang Kai-Chun Liu Chia-Tai Chan
250135	[GCBME] Material Science	Improve the Material Properties of Biodegradable ZK60 Magnesium Alloy by Different Heat Treatments	Hsin-Te Yu Guan-Lin Wu Ming-Long Yeh
250136	[GCBME] Medical Imaging	CT-based Radiomics Combining the factors of High-grade Patterns for Histopathology Grading Prediction in Lung Adenocarcinoma	Chun-Yu Huang Li-Wei Chen Guan-Lin Huang Shun-Mao Yang Yi-Chang Chen Mong-Wei Lin Min-Shu Hsieh Guan-Yu Chen Yeun-Chung Chang Chung-Ming Chen
250137	[GCBME] Biology	Trispecific T-cell Engagers Non-covalently Decorated with PEGylated Nanocarriers for Prolonging Cancer Immunotherapy	Hsin Chen Ho Wei Jie Cheng Hsiu O Ho Chien Ming Hsieh
250138	[GCBME] Medical Imaging	Detection and Morphological Analysis of Adipose Stem Cells in Microscopic Images	Ching-Fen Jiang Chia-Yuan Yuan
250139	[GCBME] Material Science	Surface Modification for Cardiovascular Stents: Preparation and Analysis of PTMC Anti-corrosion Coating for ZK60 Magnesium Alloy	Chi-Fang Li Guan-Lin Wu Ming-Long Yeh
250140	[GCBME] Assistive Technologies	A Scene Analysis-Based Indoor Positioning System	Woei-Chyn Chu Yung-Fu Hsu Chun-Hsiang Laio
250141	[GCBME] Material Science	Developing Multifunctional Biosensing Clusters based on Molecularly Imprinted Polymer	陳駿睿 莊漢聲
250142	[GCBME] Medical Imaging	Using Feature Pyramid Network for Segmentation and Quantification of COVID-19 Infections in Chest Computed Tomography	Ming Chi Wu Adam Huang
250143	[GCBME] Medical Imaging	Ultrasound computed tomography image reconstruction system based on reflection mode	Jheng Ru Chen Po Chi Hu Yu Wei Tsai Sheng Hung Yang Wen Hui Huang Zong Hsin Liu Po Hsiang Tsui
250144	[GCBME] Material Science	Hierarchical SU-8 topographies patterned by nanosphere lens lithography and UV-LED photolithography for modulating PC12 neurite development	Lester Vinzons Cho-Yi Liu Shu-Ping Lin
250147	[GCBME] Medical Electronics	PC Controlled Burst Ultrasound function generator based on an ESP32 module	鄭妃伶 馬亞尼
250148	[GCBME] Material Science	Design and Development of Sterilization Mask Box Using Cold Atmospheric Plasma	趙沁玲, 劉廷涵 彭郁晴, 李冠毅 許家瑋, 陳盈穎 王明誠, 李東錦 林佩蓉

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250149	[GCBME] Biomechanics	The Effect of Virtual Reality Gait Training on Postoperative Lumbar Spinal Stenosis Patients: A Pilot Study	Po Jung Chen Phunsuk Kantha Dar-Ming Lai Wei-Li Hsu
250150	[GCBME] Material Science	Simple and Low-cost Method for Fabricating the Hollow Microneedle Channel Used in Balloon Catheter	Ching-Tzu Wu Guan-Lin Wu Ming-Long Yeh
250151	[GCBME] Biomechanics	Dynamical Information from Normal Mode Analysis Aids Graph Neural Networks in Identification of Protein Functions and Functionally Important Residues When Combined with Protein Contact Maps as Multigraphs	Yenlin Chen Yuan Chiang Wei-Han Hui Shu-Wei Chang
250152	[GCBME] Medical Imaging	Phase-aberrated Point Spread Function Estimation for Biomedical Ultrasound Imaging Using Complex-valued Convolutional Neural Network	YuAn Lin Wei-Hsiang Shen Meng-Lin Li
250153	[GCBME] Biomechanics	Rapid Screening of Diabetic Retinopathy by Enhance Tear Biomarker Fluorescent Signal Using a SAW-based System	Hsuan-An Chen Jae-Sung Kwon Han-Sheng Chuang
250155	[GCBME] Material Science	Membrane-integrated Microfluidic Biosensor for Biomolecule Detection	Hua-En Chueh Chen-Han Huang Klaus Stefan Drese Jonas Kluitmann
250156	[GCBME] Medical Imaging	Intermittent Theta-Burst Stimulation in Central Thalamus Restored Memory Deficits in Mouse Models of Alzheimer's Disease	Yi-Chen Lin Ssu-Ju Li Yu-Chun Lo Tsai-Yu Cho Mu-Hua Wang Ching-Te Chen Sheng-Huang Lin You-Yin Chen
250157	[GCBME] Material Science	Acellular Cartilage Sheets Combined with In-situ Hydrogel for Cartilage Repair	Hao Chuan Chang I Hsuan Lin Guan Lin Wu Ming Long Yeh
250158	[GCBME] Biomechanics	Assessment of the Coordinate Stability between Center of Mass and Center of Pressure during Walking at Different Speeds	Hsuan-Lun Lu Tung-Wu Lu
250161	[GCBME] Biology	Impedance Analysis of Disk-Shaped Cells Cultured on Microelectrodes	Wei-Chih Chiu Yu-Han Hung Chun-Min Lo
250166	[GCBME] Material Science	Selectively Cross-linked Hydrogel based Cocktail Drug Delivery Chip for Colon Cancer Drug Screening	Kiran Kaladharan Ouyang Chih-Hsuan Hsin-Yu Yang Fan-Gang Tseng
250167	[GCBME] Material Science	Quantitative in silico assessment of gut microbiota-drug interactions by PBPK modelling	Chien-Ming Hsieh Athika Putri
250168	[GCBME] Material Science	Immobilization of Ag-PTFE by Oxygen Plasma Treatment and UV Light on Silicon Catheter	Xin-Yu Chou Wen-Ching Shih Chung-Yih Wang
250170	[GCBME] Material Science	Tumor acidity-responsive polymeric nanoparticles to promote intracellular delivery of zoledronic acid by PEG detachment and positive charge exposure for enhanced antitumor potency	Ya-Hsuan Chou Nien-Tzu Yeh Yu-Ling Liu Tsai-Ching Hsu Jia Le Yow Bor-Show Tzang Wen-Hsuan Chiang
250171	[GCBME] Material Science	Personalized Bone Plate Fabricated by Selective Laser Melting	Chin-En Yen, Guan-Lin Wu Ching Feng, Ming-Long Yeh

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250172	[GCBME] Medical Imaging	An automatic microfluidic system for screening magnetic labeled cell sample	Chia-Ke Tsou Tzong-Rong Ger Chi-Ming Ku Rou-Xuan Huang Huang-Te Li
250173	[GCBME] Medical Electronics	Cell analysis technology of magnetic labeled lung cancer cells	Hsu Chia-Hsiang Chia-ke Tsou Yu-Chi Chiu Huai-Lu Chang Tzong-Rong Ger
250174	[GCBME] Biology	Development of Multi-well Microchip for Rapid Antimicrobial Susceptibility Testing based on Diffusometry	peiwei chen
250178	[GCBME] Assistive Technologies	A Nanocomposite-Based Assistive System for Active Gait Phase Detection	An Li Hou Shin Min Huang Po Kang Yang
250180	[GCBME] Assistive Technologies	Investigation of Muscle Fatigue using EMG and Plantar Pressure for the Development of a Digital Foot Pressure Insole for Sarcopenia	Ying-Ying Tsai Yi-Cheng Haung Fu-YU Beverly Chen Tzu-Yao Lin Ching-Cian Wang Mei-Lan Tseng Zi-Ciane Tan
250182	[GCBME] Medical Imaging	Brain-heart interactions under attentional and resting states	jia-jeng Lee Chun-Chuan Chen Eric Hsiao-Kuang Wu Shih-Ching Yeh
250183	[GCBME] Assistive Technologies	Development and analysis of a passive hip exoskeletal device	Kuo-Kuang Jen Bo-Sheng Jiang Chia-Wei Lee Chi-Ming Ku Chi-Kae Wang Shu-Ta Hsieh Ming-Fang Luo Sheng-Yen Hu Yuan Kang Tzong-Rong Ger
250184	[GCBME] Medical Electronics	Lead-Free Perovskites for Wearable Sensor Application	Shih-Min Huang Po-Kang Yang
250185	[GCBME] Material Science	Design of Biodegradable Soft Scaffold-mimicked Neural Microelectrode Arrays for Drug Releasing and Localized Neural Recording	程姿雅 王馨苒 黃薇蓁
250190	[GCBME] Medical Electronics	A Wireless Gait and Muscle Measurement System for Evaluation of Sarcopenia Disease	Bo Cheng Lin Shing Hong Liu Fu-Yu Beverly Chen
250191	[GCBME] Medical Electronics	Using Weight-Fat Scale for Measurement of Pulse Transit Time	Yan-Rong Wu Shing-Hong Liu
250192	[GCBME] Biomechanics	Anticipatory Postural Adjustments Strategy in Adolescents for Crossing Obstacles of Different Heights	Cheng-Hao Yu Tse-Hua Huang Shiuan-Huei Lu Tung-Wu Lu
250194	[GCBME] Material Science	Impacts of chemical protectors on storage stability of magnetic genosensor	張家鳳 Pravanjan Malla Chi-Hsien Liu



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250195	[GCBME] Medical Imaging	Automatic Tooth and Alveolar Bones Segmentations from Cone-Beam CT Images with Deep Learning	Chang Yu Hung Yung Nien Sun Teresa Chanting Sun
250197	[GCBME] Material Science	Development and verification of disinfection equipment using low-temperature plasma technology application and x-ray film cartridge	許家瑋 林造民 李東錦 林慶元 賴家輝 郭婕語 王明誠
250199	[GCBME] Assistive Technologies	Development of clinical shoulder dystocia surgical instruments	李冠毅 許家瑋 呂理政 李欣宜 王品元 江柏昇 王明誠
250200	[GCBME] Assistive Technologies	Sound Localization Training System for Hearing Impaired Children	Te-Chen Shen Shu-Min Yu Pei-Hua Chen Kang-Ping Lin Cheng-Lun Tsai
250209	[GCBME] Assistive Technologies	Designing and Pilot Testing a Novel Transcranial Interfering Electric Field Stimulation (tIEFS) Device for Neural Rehabilitation Application	Chun-Wei George Wu Yu-Ting Li Chih-Wei Peng
250210	[GCBME] Material Science	T Cell Infiltration into Orthotropic Brain Tumors via Rabies Virus Glycoprotein-Mediated Transportation	Shang-Hsiu Hu
250211	[BISC] Photonics & Optoelectronics	Dynamic event measurements by single-shot generalized Hanbury Brown-Twiss intensity interferometry	Naru Yoneda
250212	[GCBME] Medical Electronics	Synchronous pulsed wave modulated biological intravenous red laser Irradiation of Blood integrated with the microscopic clinical hemodialysis blood vessel halogen perovskite imaging system	Jian-Chiun Liou
250214	[GCBME] Medical Imaging	Ultrasound synthetic shear-wave elastography of homogeneous scattering media by using the generative adversarial network	Chun Hao Yu Pei Huan Wu Wei Cheng Hsiao Bao Yu Hsieh Po Hsiang Tsui
250218	[GCBME] Medical Imaging	Tracking-by-detection based compensation system for diaphragm motion	張庭瑋
250219	[GCBME] Medical Electronics	The Effect of Access Region in van der Waals Heterostructures Based Neuromorphic Device on Memory Behavior	Advaita Ghosh Yen-Fu Lin Shu-Ping Lin
250221	[GCBME] Material Science	Tumor site-specific PEG detachment and active tumor homing of therapeutic PEGylated chitosan/folate-decorated polydopamine nanoparticles to augment antitumor efficacy of photothermal/chemo combination therapy	Wen-Hsuan Chiang Ming-Hung Hsieh Tzu-Hao Wang Tsai-Ching Hsu Jia-Le Yow Bor-Show Tzang

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250226	[GCBME] Medical Imaging	Assessment of the root-to-crown ratio of a first and second mandibular molar	Ting-Jyun Shen Shiuan-Hui Wang Jui-Ting Hsu Heng-Li Huang
250227	[BISC] Photonics & Optoelectronics	Quantitative Differential Phase Contrast Microscopy with Dual-color Coded Pupil	Ying-Ju Chen Sunil Vyas Tai-Horng Young Yuan Luo
250228	[GCBME] Medical Imaging	Apply Deep Learning to Image Segmentation of Swallow-tail Sign and Evaluate Different Susceptibility Imaging Approaches	Yu-Tzu Kuo Shu-Yi Yeh Hua-Shan Liu
250229	[GCBME] Material Science	Transfection of a CRISPR/dCas9 OCT4 Transcription Activation System Using Magnetic Peptide-imprinted Nanoparticles	Mei-Hwa Lee Cheng-Chih Lin James L. Thomas Chih-Kai Chan Jin-An Li Hung-Yin Lin
250231	[GCBME] Health Informatics	Relationship between instrumented Romberg test and dizziness handicap inventory in patients with vestibular disorder	Yu-Ting Sung Kuan-Chung Ting Chia-Yeh Hsieh Kai-Chun Liu Chia-Tai Chan
250232	[GCBME] Medical Electronics	Monitoring of Tumor Hypoxia Dynamics during Treatment with Microbubbles and Gemcitabine by Functional Photoacoustic Imaging	Yuhling Wang Lun-De Liao
250233	[GCBME] Medical Electronics	Key Factor for Medical Device Translational Research: Based on NCKU-SPARK Program	Yu-Pei Huang Chih-Han Chang
250234	[GCBME] Medical Electronics	Development of Barcode Microbeads Based Multiplex Immunoassay for Prognosis of Severe Dengue	Tien-Chun Tsai Tzong-Shiann Ho Ya-Lan Lin
250236	[GCBME] Material Science	The Clinical Trials of 3-Hydroxyanthranilic Acid-imprinted Polymer-based Nanocomposite Sensor	Mei-Hwa Lee James L. Thomas Yu-Chia Chang Yuh-Shyan Tsai Bin-Da Liu Hung-Yin Lin
250239	[BISC] Photonics & Optoelectronics	Data poisoning attack effects on imaging of handwritten digits through scattering media using deep learning	Koki Oishi
250240	[BISC] Photonics & Optoelectronics	Integrated Minimum-Variance and Delay-Multiply-and-Sum Beamformation for Photoacoustic Array Imaging	Chun-Hsien Chiang Meng-Lin Li
250241	[GCBME] Health Informatics	A Web-Based Vestibular Functional Assessment Management System	Yen-Chen Lin Kuan-Chung Ting Chia-Yeh Hsieh Kai-Chun Liu Chia-Tai Chan
250242	[BISC] Photonics & Optoelectronics	Microplastic imaging in marine animals using spectroscopy and polarization	Nobuaki Endo Nathan Hagen Yukitoshi Otani
250243	[GCBME] Medical Imaging	Microvascular Imaging for Mice Brain through 40 MHz High-Frequency Ultrasound Localization Microscopy	Cheng Wei Li Chih Chung Huang
250247	[GCBME] Biomechanics	Predictions of Vertebral Bone Strength by Using CT-Based Finite Element Model	Yen Cheng Po-Liang Lai Hsiang-Ho Chen

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250248	[GCBME] Assistive Technologies	Rapid Assessment of Bone Density based on Bilateral Radial X-ray Image Analysis with segmentation by modified Yolov4 method	Yan-Chin Gau Wei-Siang Ciou Yi-Chun Du Ming-Jui Wu
250249	[GCBME] Medical Imaging	Enhancement of Spine Ultrasound Image Contouring Using Plane Wave Angle Compounding	Chun-Tai Chen Bao-Yu Hsieh
250251	[GCBME] Medical Electronics	Real-time impedance measurement of angiogenesis induced by cancer cells	Chun-hao Huang Kin Fong Lei
250253	[BISC] Photonics & Optoelectronics	Optical encoding for fluorescence addressing	Yusuke Ogura Keita Hayashi Suguru Shimomura Takahiro Nishimura Jun Tanida
250254	[GCBME] Material Science	Additive manufacturing of Schwann cell-laden collagen/alginate nerve guidance conduits by freeform reversible embedding regulate neurogenesis towards peripheral nerve regeneration	Ping-Ling Chiu Ming-You Shie Yueh-Sheng Chen Chun-Hsu Yao
250255	[GCBME] Medical Electronics	Precision fast measurements of voltage and current for an electronic load control loop	邵逸夫 馬亞尼
250257	[GCBME] Material Science	Triphenylphosphonium-modified Mitochondria-targeted Gold Nanoparticles for Penetrative Therapeutics at Deep Brain Tumor	Chia-Ko Chen Shang-Hsiu Hu
250260	[GCBME] Material Science	Non-Enzymatic High-Sensitivity Glucose Sensor Fabricated by Ni-Nanowires Decorated Graphene Gated FETs	Sheng Chun Hung Yu-Cheng Lin Chung-Wei Lin Wei-Lun Chen Wen-Hung Chien Chia-Chi Chen Jih-Syuan Huang
250261	[GCBME] Material Science	GelMA microspheres combine with Magnetolectric Organic Metal Frameworks for Nerve Repair in Traumatic Brain Injury	Chun-Yi Liang Yi-Chieh Chan Shang-Hsiu Hu
250262	[GCBME] Assistive Technologies	Development of a Digital Therapeutic System for the Management of Sarcopenia's Mobility	Yi-Cheng Huang Ying-Ying Tsai Fu-Yu Beverly Chen
250263	[GCBME] Material Science	An Inhaled Nano-formulation Carrying both FTY720 and Nobiletin Ameliorates LPS-induced Acute Lung Injury in Animal Models	Huei-Han Zhang Ping-Ching Wu Chien-Chung Lin Min-Hsiung Pan
250264	[GCBME] Biology	Delivery of Nitric Oxide with pH-sensitive Nanocarriers for Renal Fibrosis Therapy	Tsung-Ying Lee Yun-Jen Tsai Hung-Hsun Lu Hui-Teng Cheng Hsi-Chien Huang Tsai-Te Lu Chi-How Peng Yunching Chen
250269	[GCBME] Biology	CXCR4-Targeted Nanoparticles Deliver Nitric Oxide and PD-L1 siRNA for Immunotherapy against Glioblastoma	Hsin-Tzu Hsieh Hsi-Chien Huang Chieh-Wei Chung Tsai-Te Lu Yunching Chen

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250271	[GCBME] Assistive Technologies	Development of a Weight-shifting Movement Evaluation System under Time or Space Pressure for Patients with Parkinson's Disease	Chia-wei Hou Yu-Ting Hung Sung-Hui Huang Cheng-Ya Huang Yi-Chun Du
250272	[GCBME] Medical Imaging	Application of the Dynamic Radiomics in Gliomas Tumor Grading	Shu-Yi Yeh Yu-Tzu Kuo Hua-Shan Liu
250273	[BISC] Photonics & Optoelectronics	Label-free quantitative refractive index analysis for neuroblastoma cell death with holographic tomography	Chung-Hsuan Huang Yun-Ju Lai Han-Yen Tu Chau-Jern Cheng
250275	[BISC] Photonics & Optoelectronics	Surface modification of ZnO luminescent film by ion-milling for imaging biological specimen with a super-resolution beyond diffraction limit	Kei Hosomi Wataru Inami Yoshimasa Kawata
250276	[BISC] Photonics & Optoelectronics	Multi-plane two-photon imaging from selective excitations	Xiangyu Quan Naru Yoneda Osamu Matoba
250277	[GCBME] Biomechanics	Local thermal effect of power on setting on electrosurgical coagulation: a three dimensional electrothermal coupled finite element study	ChihKun Hsiao Yenwei Chiu Yi-Jung Tsai Yuan-Kun Tu Yung-Chuan Chen
250278	[GCBME] Biomechanics	Quantitative Estimation of the Forearm Performance Fatigability in a Screw Driving Model	Yenwei Chiu Hao-Yuan Hsiao Zhi-Yan Wang Wen-Fan Chen Chih-Kun Hsiao Yi-Jung Tsai Yuan-Kun Tu
250279	[GCBME] Medical Imaging	Using multi parametric imaging for predicting pediatric NAFLD by deep learning	Lu Tsung Yung Hsieh Chiao-Shan Tsui Po-Hsiang
250280	[GCBME] Material Science	Fabrication of 3D Biomimetic Skin Tissue for Burn Wound Healing	Si-Ting Wu Kai-Jen Tsai Qi-Hong Hong Feng-Yuan Chien Hsun-Yueh Yang Tsung-Hsuan Wu Ching-Yun Chen
250282	[BISC] Photonics & Optoelectronics	Damage Evaluation Induced by Focused Electron Beam Irradiation onto a Living biological Cell	Asahi Tanaka Wataru Inami Yoshimasa Kawata
250283	[GCBME] Material Science	Lipid-Coated Magnetic Porous Nanocubes to Lung Metastasis for Nanocatalytic Immunotherapy	Pin-Xuan Huang Shang-Hsiu Hu
250285	[GCBME] Assistive Technologies	Face Feature Emergency Bell Based on Artificial Intelligence for Severely Disabled People	Shih-Chan Huang Sheng-Feng Zheng Po-JUI Su Shih-Chung Chen Yeou-Jiunn Chen Chung-Min Wu
250286	[GCBME] Material Science	Comparing Different Shapes of Covalent Organic Frameworks (COFs) Nanoparticles as An Antigen-Capturing Platform for Lung Metastasis Immunotherapy	Pin-Hua Chen Shang-Hsiu Hu

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250287	[GCBME] Material Science	The Potential Use of Bone-like Tissues in Surgical Treatment on Empty Nose Syndrome	Jing-ke Chen Zheng-An Yan Chih-Wei Laun Ching-Yun Chen
250290	[GCBME] Medical Electronics	Attention Analysis of EEG Response in Task Recognition with Different Auditory Flash stimuli	Che-Min Hsieh Wen-Hung Chao
250292	[GCBME] Medical Imaging	Deep Learning Enabled Computer-Aided Diagnosis in The Classification of Pancreatic Cystic Lesions based on Confocal Endomicroscopy	Clara Lavita Angelina Tsung-Chun Lee Pradermchai Kongkam Ming-Lun Han Hsiu-Po Wang Hsuan-Ting Chang
250293	[GCBME] Medical Imaging	Feasibility study of a pupil movement assistance system for hearing assessment in infants	Shin-Rui Lee Chen-Sin Huang Pei-Yu Su Yi-Hao Jiang Cheng-Lun Tsai Yu-Chen Hung Fu-Yu Chen
250294	[BISC] Photonics & Optoelectronics	Focused Spot Generation based on Digital Phase Conjugation by Transport of Intensity Equation in Scattering Media	Shiori Matsuda Naru Yoneda Xiangyu Quan Osamu Matoba Wataru Watanabe
250296	[BISC] Photonics & Optoelectronics	Local gene induction by IR-LEGO to trigger stem cell formation in a moss plant	Yuka Yoshida Takumi Tomoi Chizuru Numata Suguru Ohe Joe Sakamoto Yasuhiro Kamei Yosuke Tamada
250298	[GCBME] Medical Electronics	A Facial Skin Colorimetric Image Generation System Based on Pix2Pix Translation Technology	Yu Ting Tu Patrick Po-Han Huang Shu-Chen Chang Chih-Yu Wang
250302	[BISC] Photonics & Optoelectronics	Using adjustable radio frequency MS platform and conjunction-modulation design to improve the synchronization and resolution of the ion trap mass spectrometer for intact protein analysis	Fang Hsu Chen Chun-Yen Cheng Cheng-Han Yang I-Chung Lu Ming-Long Yeh
250303	[GCBME] Material Science	Biomimetic Tissue-engineered Tendon Using Interfacial Polyelectrolyte Complexation Spinning Process	Hao-Xuan Chen Tzu-Wei Wang
250306	[GCBME] Assistive Technologies	Artificial Intelligence Image Assisted Input System for Severely Disabled	Sheng-Feng Zheng Shih-Chan Huang Shih-Chung Chen Chung-Min Wu
250307	[GCBME] Medical Imaging	Ultrasound mastoid imaging by using a clinical convex array system	YU QIAN YIN Yen Heng Lai Po Hsiang Tsui
250311	[BISC] Photonics & Optoelectronics	Quantitative phase imaging with a Fresnel biprism-based digital holographic microscope	Chen-Ming Tsai Yuan Luo

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250312	[BISC] Photonics & Optoelectronics	Wavelength coded volume holographic gratings based fluorescence microscopy	Yu-Hsin Chia Sunil Vyas Yi-You Huang Yuan Luo
250313	[BISC] Photonics & Optoelectronics	Differential phase contrast volume holographic incoherent microscopy	Yu-Hsin Chia Sunil Vyas Yi-You Huang Yuan Luo
250314	[GCBME] Material Science	The development of TiO <sub>2</sub> nanostructure blended PU microfibers for antimicrobial application	Hui-Xuan Huang Shu-Ping Lin Po-Yu Liu
250315	[GCBME] Assistive Technologies	Development of a Smart Watch with Alert for The Hearing Impaired	Wei-lian Ou En-Zhu Lyu Yu-Ting Chu Jia-Yi Tsai Po-Yen Hsiao Yuh-Show Tsai
250318	[BISC] Photonics & Optoelectronics	Development of Optical Coherence Tomography Imaging Engine based on FPGA	Chang-An Shih Ting-Hao Tsai Chuan-Bor Chueh Ting-Hao Chen Hsiang-Chieh Lee
250320	[GCBME] Biomechanics	Impaired Visual-motor integration in School-Aged Children with Unilateral Cerebral Palsy: Application of a Computer-aided Measure of VMI	Wen-Feng Huang Hao-Ling Chen Ren-Yu Chen Tien-Ni Wang Jeng-Yi Shieh
250321	[GCBME] Medical Electronics	Development and Preliminary Evaluation of a Single-Arm Electrocardiogram Device	王家鍾 莊姿涵 蔡丞賢 Ioannis Manousakas 李統立
250327	[GCBME] Material Science	Immobilization of Tumor-derived Extracellular Vesicles and its Labeling by Gold Nanoparticle	李珊宣 廖品竣 劉冠賢 廖昱翔 林政鞍
250329	[GCBME] Assistive Technologies	Intelligent Physical Exercise Training system design for people with Chronic Obstructive Pulmonary Disease (COPD)	Shih-Ying Chien
250330	[BISC] Photonics & Optoelectronics	3D image analysis of spermatid nuclei to understand the mechanism of the sperm formation in a land plant	Yosuke Tamada Nan Gu
250331	[GCBME] Medical Electronics	Quality Comparison among Single-Arm ECG Signals Recorded at Multiple Locations	陳柏霖 王家鍾 蔡丞賢
250332	[GCBME] Medical Imaging	Unsupervised deep learning-based sinogram outpainting for dual-source, dual-energy computed tomography	Wei-Tse Huang Hsuan-Ming Huang
250333	[BISC] Photonics & Optoelectronics	Classification of fork fringes using VGG 16	Sunil Vyas Yuan Luo

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250334	[BISC] Photonics & Optoelectronics	Super-Gaussian Airy beam for light sheet microscopy	Sunil Vyas Yuan Luo
250335	[BISC] Photonics & Optoelectronics	Edge Contrast Enhancement Filters	Sunil Vyas Yuan Luo
250336	[GCBME] Assistive Technologies	An Acupoint Visualization System Based on Image-to-Image Translation Technology	Chun yi Yeh Chang-Yin Lee Shu-Chen Chang Chih-Yu Wang
250340	[BISC] Photonics & Optoelectronics	Development of Multi-view Optical Coherence Tomography (OCT) and Image Registration Algorithm for Tooth Imaging	Heng-Yu Li Tzu-Hsuan Chang Yu-Ren Chou Yin-Lin Wang Hsiang-Chieh Lee
250341	[GCBME] Material Science	A Label-Free Impedimetric Aptasensor Based on Vertically Aligned SnS <sub>2</sub> Nanostructures for Alzheimer's Biomarker Detection	Bayu Tri Murti Chih-Wei Peng Po-Kang Yang
250343	[BISC] Photonics & Optoelectronics	Development of a real-time multifunctional catheter-based optical coherence tomography imaging with multiplexing system	Xiang-Yu Chen Po-Chuan Chen Chuan-Bor Chueh Ting-Yen Tsai Ting-Hao Tsai Cheng-Kuang Lee Hsiang-Chieh Lee
250344	[GCBME] Medical Imaging	The correlation between Hyperspectral Imaging and Neuropathy in Diabetic Foot by using 3D Receptor Operating Characteristic Curve	Hsian-Min Chen Yi-Jing Sheen Chiu-Chin Sung Hsin-Che Wang Yu-Wen Fu
250345	[GCBME] Material Science	A Study of Fish Scale-Chitin □Hydroxyapatite Derived Scaffold For Cartilage Regeneration	陳奕璇 唐湘淇 陳翰欣
250346	[GCBME] Medical Imaging	Automatic Classification of Histopathological Images for Lymph Node Metastases with Breast Cancer	Chia-Lin Kao
250347	[GCBME] Medical Imaging	Detection of Histopathological Images for Lung and Colon Cancer	Yi-Wei Chen
250348	[GCBME] Material Science	Electrochemical detection of acetaminophen drug using a glassy carbon electrode modified with a graphene oxide nanosheets	Aravindan Santhan Ravikumar Murugan Kuo-Yuan Hwa
250349	[GCBME] Material Science	A Study of Alginate-Chitosan Nanoparticles Loaded with Moringa leaf powder To Inhibit growth of cancer cells	Xin-Jie Lin Si-Ting Xu
250350	[BISC] Photonics & Optoelectronics	Single Cell Effects of Photobiomodulation on Mitochondrial Membrane Potential and Reactive Oxygen Species Production in Human Adipose Mesenchymal Stem Cells	Le-Thanh-Hang Nguyen Tzu-Sen Yang Li-Chern Pan Mamadi M.S Colley Cheng-Jen Chang

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250353	[GCBME] Material Science	Biodegradable Microneedle Mediated Transdermal Stage-Controlled Drug Release and Dual Drug Combination Therapy for Keloid Scar Treatment	Yong-Ji Chen Hung-Wei Cheng Wan-Yu Yen Chin-Yi Yeh Jen-Hao Tsai Ching-Jung Chen Jen Tsai Liu San-Yuan Chen Shwu-Jen Chang
250354	[GCBME] Medical Electronics	An automated multi-point laser acupuncture system based on 2-D galva-mirror scanning technology	xinyu wu Kun-Chan Lan Chih-Yu Wang Min-Yu Shen Xiao-Yun Zhang
250356	[GCBME] Medical Electronics	Novel Three-in-one Automatic Coating System for Vascular Stents	Yu-Hsuan Lin Li-Han Lin Hao-Ming Hsiao
250357	[BISC] Photonics & Optoelectronics	Volumetric Imaging of the Ex Vivo Oral Precancerous Lesions with Multi-scale Wide Field-of-View Optical Coherence Microscopy	Chuan-Bor Chueh Po-Hao Tseng Ming-Che Tu Ting-Yen Tsai Ting-Hao Chen Heng-Yu Li Shih-Jung Cheng Hsiang-Chieh Lee
250359	[GCBME] Biomechanics	Investigation of Screw Effect of Anterior Stand-alone Locking cage in Lumbar Interbody Fusion by 3D Finite Element Analysis	Erh-Yi Huang Pao-Hsin Liu
250362	[GCBME] Medical Electronics	Low-intensity pulsed ultrasound stimulation enhances remyelination in lysolecithin-induced model of multiple sclerosis	Zih-Yun Pan Li-Hsin Huang Feng-Yi Yang
250365	[GCBME] Material Science	Surface modification of hydrogel contact lenses underwater for superhydrophilicity with improved biocompatibility	Ting Yi Lin Hua En Chueh I Hsuan Chou Sanskruti Swain Yun Jung Ting Hsing Ying Lin Chen Han Huang
250366	[BISC] Photonics & Optoelectronics	Development of an imaging analysis algorithm for quantitatively assessing skin conditions with optical coherence tomography	Ting-Hao Chen Chau-Yee Ng Cheng-An Huang Chau-Hsiang Cheng Yu-Hsuan Lee Meng-Tsan Tsai Cheng-Kuang Lee Hsiang-Chieh Lee
250367	[GCBME] Material Science	Synthesis of functional titanium implants coatings with hierarchical polymers for preventing infection and promoting osseointegration	Yueh-Chen Wu Ting-Yi Lin Hua-En Chueh I-Hsuan Chou Sanskruti Swain Hsing Ying Lin Chen Han Huang



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250368	[GCBME] Material Science	Biocompatible polysaccharide-based anti-bacterial coating for Clear Overlay Appliances	吳芷瑜 Ting-Yi Lin Hua-En Chueh I-Hsuan Chou Sanskriti Swain Hsing Ying Lin Chen Han Huang
250369	[GCBME] Medical Electronics	Investigation of the Transcranial Ultrasound Stimulation on Neuron Deficits in Intracerebral Hemorrhage Animal Model	Wei Shen Su Chun-Hu Wu Feng-Yi Yang
250370	[GCBME] Material Science	Biodegradable polymeric coating on Magnesium alloy stents enhances corrosion resistance and thromboresistance	謝宜臻 Ting-Yi Lin Hua-En Chueh I-Hsuan Chou Sanskriti Swain Hsing Ying Lin Chen Han Huang
250373	[BISC] Photonics & Optoelectronics	Three-dimensional optical manipulation using cubic-phase metamaterials	Hung Chuan Hsu Hsin Yu Kuo Sunil Vyas Kuang-Yuh Huang Hsien-Shun Liao Yuan Luo
250375	[GCBME] Medical Electronics	Measurement of Single-Wrist ECG with Two/Three Electrodes at Different Positions	王家鍾 蘇逸軒 相昌霽 蔡丞賢
250376	[BISC] Photonics & Optoelectronics	Hybrid Vision Transformer based Deep Learning for Pancreatic Cystic Lesion Classification Based on Confocal Endomicroscopy	Clara Lavita Angelina Yi-Kai Chou Tsung-Chun Lee Pradermchai Kongkam Ming-Lun Han Hsiu-Po Wang Hsuan-Ting Chang
250381	[BISC] Photonics & Optoelectronics	Development of a high-speed catheter-based polarization-sensitive optical coherence tomography system	Meng-Shan Wu Chuan-Bor Chueh Ting-Hao Chen Tai-Ang Wang Ting-Yen Tsai Brett E. Bouma Martin Villiger Hsiang-Chieh Lee
250383	[GCBME] Medical Imaging	EEG Power Spectrum and HRV Changes Correlate Four Types of Breathing during Virtual Reality-based Mindfulness Practice	Yu-ju Chien Hei-Yin Hydra Ng Chun-Hsian Chuang Chih-Mao Huang Changwei W. Wu Yi-Ping Chao
250384	[GCBME] Material Science	Au-decorated magnetic graphene oxide as novel RNA nanocarriers	陳怡君 廖思評 劉繼賢
250385	[BISC] Photonics & Optoelectronics	Artificial intelligence assisted pathology with nonlinear optical microscopy on esophageal cancer	Guan-Yu Zhuo Wei-Hsun Wang Ming-Chi Chen Ming-Xin Lee

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250388	[GCBME] Material Science	Biomimetic Composite Cryogels in Dental Alveolar Filling Materials	Jen-Hao Tsai Shwu-Jen Chang Chang-Lin Huange Zhi-Tian Kuo
250389	[GCBME] Medical Imaging	Contrast Enhanced Microcirculation Imaging for Small Animal Skin Flap Transplant Models	Ying-Rue Kao Yu-Chung Shih Fu-Jen Kao
250390	[GCBME] Medical Electronics	Fabrication of finger comb-shaped MoS <sub>2</sub> composites electrode structure for pH detection using picosecond laser ablation	Mei-En Liu Zhao-Chi Chen Qi-Xuan Wu Tien-Li Chang
250391	[BISC] Photonics & Optoelectronics	Dual-polarization resolved second harmonic generation microscopy for precise tissue imaging	Guan-Yu Zhuo Wei-Hsun Wang Ming-Chi Chen
250395	[GCBME] Health Informatics	Hierarchical Clustering analysis of Traffic Accidents Related to Scooters in Tainan, Taiwan	Chenwen Fang Jia-Jin J. Chen Wei-Ru Chen Yang-Kun Ou
250396	[GCBME] Assistive Technologies	Wearable foot pressure sensing system for the track of flatfoot correction improvement and person recognition	Yao-Hsuan Tseng Fu-Cheng Kao Kee-Chin Lim Zong-Hong Lin
250397	[GCBME] Biomechanics	Biomechanical investigations of humeral greater tuberosity fracture with different fixation techniques under various shoulder rehabilitation activities	Ching-Chi Hsu Kao-Shang Shih Hao-Che Hsu Balraj Muthusamy Meng-Hua Lin
250398	[GCBME] Medical Electronics	Estimating Treatment Efficacy of Postural Instability and Gait Disorder in Patients with Parkinson's Disease Using Electroencephalogram	Shin-Yuan Huang Wei-Che Lin Yuan-Pin Lin
250399	[BISC] Photonics & Optoelectronics	Moiré metalens for optical sectioning microscopy	Cheng Hung Chu Yuan Luo Sunil Vyas Hsin Yu Kuo Yu Hsin Chia Mu Ku Chen Yi-You Huang Din Ping Tsai
250400	[GCBME] Assistive Technologies	Preliminary research on wearable walking stability index in walker	Jiun-Hung Lin Chih-Chin Wen Shih-Tsang Tang
250404	[GCBME] Medical Imaging	An Automated Registration Scheme Between Rat Brain MR and Atlas Images for Infarct Evaluation	Ni-Chuan Chung Shin-Joe Yeh Ming-Chang Chiang Sung-Tsang Hsieh Heng-Hua Chang
250405	[BISC] Photonics & Optoelectronics	Perturbation Monte Carlo Applicability for Human Neck Model	Chin-Hsuan Sun Kung-Bin Sung

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250406	[GCBME] Health Informatics	Machine Learning Prediction Models for Recovery After Colorectal Cancer Surgery Using Wearable Device Data, Air Quality Data and Clinical Evaluation Data	Yu-Hsin Liu Chia Tung Wu Yi-En Su Feipei Lai Yu-Tso Liao Yun-Jen Chou Shiow-Ching Shun
250407	[GCBME] Material Science	Isolation and Purification of Mouse Cochlear Progenitor Cells	Sheng-Wen Chang Chia-Yu Chang Chia-Ching Chang Hsin-Chien Chen Ching-Yun Chen
250410	[GCBME] Health Informatics	Association analysis between gut microbiota and their metabolites toward vascular calcification in hemodialysis patients	Chun-fan Lung
250411	[GCBME] Material Science	Theranostic Alginate-based Microbubbles: Transformation from Raspberry-like to Core-Shell-like Microbubbles and Their In Vitro Studies	Meng-Yi Bai Tsai-Hsuan Chen Yu-Chi Wang Yu-Ju Lai
250412	[BISC] Photonics & Optoelectronics	Development of surface plasmon resonance-Raman spectroscopy system to detect heparin-induced thrombosis	Chia-Ling Chiang Nan-Fu Chiu Chii-Wann Lin
250419	[BISC] Photonics & Optoelectronics	Design and characterization of flattop beam shapes through volume holographic grating	Surag Suresh Sunil Vyas J. Andrew Yeh Yuan Luo
250421	[GCBME] Medical Imaging	Ultrasound Ultrafast Imaging Using Diverging Waves on Sparse Arrays	Kuang Cheng Hsueh Tzu-Hsien Sang Geng-Shi Jeng
250422	[GCBME] Medical Electronics	Self-Powered Wound Dressing with Antibacterial and Electrical Stimulation Capabilities for Promoting Healing of Infected Wounds	Snigdha Roy Barman Shuen-Wen Chan Zong-Hong Lin
250426	[GCBME] Medical Electronics	Design of Transcranial Electrical Stimulation System with Multiple Programmable Channels	Hao Xheng Lu Chien-An Chen Jia-Jin Chen
250427	[BISC] Photonics & Optoelectronics	Single-shot dual-energy cone-beam CT using an energy-integrating detector	Fang Yu Liang Ming-Wei Lee Meei-Ling Jan
250429	[GCBME] Medical Electronics	Design of Digital Therapeutic Language Rehabilitation System for Aphasic Patients	Yen-Ru Wu Jia-Jin Chen Chien-An Chen
250430	[GCBME] Assistive Technologies	A Development of AIoT Based Auto Medication Counting System	Yu-Sheng Lin Ching-Lan Cheng
250431	[BISC] Photonics & Optoelectronics	A novel method for the detection of cell-free Mitochondrial DNA Levels by using an isothermal amplification-assisted Surface Plasmon Resonance biosensor platform of its clinical role	Jian Hong Yang Chii Wann Lin Tzu Heng Wu Ying Ru Chen Hui Yun Lo
250433	[GCBME] Medical Imaging	Hemodynamic Change Monitoring and Lesion Size Prediction Following Stroke by Ultrafast Doppler Imaging	Bao-Yu Hsieh Shih-Ya Huang Yu-Chieh Kao Sung-Yu Chu

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250434	[GCBME] Assistive Technologies	Reliability analysis of homemade rehabilitation ring for assessing hand dexterity in stroke patients	Zih-Ming Syu Zhen Dai Shu-Chen Chang Pei-Xuan Lu Xiang-Yi Weng Chih-Yu Wang Chien-Hsiou Liu
250435	[GCBME] Biomechanics	The biomechanical analysis of different thicknesses of vacuum extractors during delivery	Kuo-Chih Su
250438	[GCBME] Health Informatics	Stimulation of SSVEP with dual-frequency 40Hz flicker and detection of visual pathway impairment in Alzheimer's disease	Chun-Hui Huang Chih-Tsung Chang Chii-Wann Lin
250441	[GCBME] Health Informatics	Developing Data Collection and Labeling Software Protocols for Clinical Lung Sound Applications	Dan Jing Chang Fu-Ji Tsai Chii-Wann Lin
250442	[GCBME] Medical Electronics	Electrical Impedimetric Investigation of MCF-7 Breast Cancer Cell Growth on Indium Tin Oxide Coated Vertically Aligned Silicon Nanowires	Hung-Ming Chen Shu-Ping Lin
250444	[GCBME] Medical Imaging	Functional Connectivity Abnormalities in Idiopathic Generalized Epilepsy Patients : An fMRI Study	Yun Chi Hsu Siew Na Lim Yi Ping Chao
250445	[GCBME] Biomechanics	Simulation of occupant kinematics due to inertial force in driving situation	Tsai-Jeon Huang Chun-Yang Lee Zhi-Wei Chen C-Y Shih
250446	[GCBME] Biomechanics	A wearable restraint device to simulate hand strength of elderly	Yun-Hsuan Chiang Tsai-Jeon Huang Yun-Hsin Chang
250447	[GCBME] Health Informatics	Evaluation the Effect of Transcutaneous Auricular Vagus Nerve Stimulation with Pulse Rate Variability	Huang-Chang Chen Chien-An Chen Chun-Wei Wu Fan-Yu Yen Jia-Jin Chen Chao-Chen Lo
250448	[GCBME] Material Science	Preparation and research on soft film powder of roselle and mulberry plant extract	謝詠筑
250450	[BISC] Photonics & Optoelectronics	Optical coherence microscopy (OCM) imaging of the lung carcinoma (CA) cell spheroid	You-Nan Tsai Wei-Tse Huang Yu-Chun Lin Huei-Wen Chen Yuan Luo Hsiang-Chieh Lee
250452	[GCBME] Material Science	Comparision of the Immunogenicity of Decellularized Extracellular Matrix Hydrogels Prepared from the Serums of Various Species in the Decellularization Process	Yi Chin Akrasirakul Sutatta Huynh-Quang-Dieu Nguyen Chen-Yu Kao
250453	[BISC] Photonics & Optoelectronics	Evaluation of Monte Carlo-based Fitting of Diffuse Reflectance Spectroscopy to Quantify Optical Properties of Muscle and Superficial Tissues	Hao-Wei Lee Kung-Bin Sung
250454	[GCBME] Biology	Influence of Mechanical Environment on Corneal Endothelial-stromal Interactions	yuting Jou yuwei Chiang yuchun Lin

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250455	[BISC] Photonics & Optoelectronics	VHG-based Airy light-sheet fluorescence microscope	Hung Chuan Hsu Sunil Vyas Kuang-Yuh Huang Hsien-Shun Liao Yuan Luo
250456	[GCBME] Biomechanics	Standing Balance after Combined High Tibial Osteotomy and Layered Chondrocyte Sheet Implantation versus High Tibial Osteotomy alone	Jing-Yu Chen Yuan-Kun Tu Nan-Chun Chen Yi-Jung Tsai
250457	[BISC] Photonics & Optoelectronics	Optical scanning holography for three-dimensional microscopic imaging	Chen-Ming Tsai Tzu-Yi Yang Jung-Ping Liu
250458	[BISC] Photonics & Optoelectronics	an immunofluorescence-enhanced photonic crystal biosensor for tear-based diagnosis of diabetic retinopathy	陳俐瑩
250459	[BISC] Photonics & Optoelectronics	U-net Model for Isotropic Differential Phase Contrast Microscopy	An-Cin Li Ying-Ju Chen Sunil Vyas Hsuan-Ming Huang Yuan Luo
250461	[GCBME] Material Science	Developing Monocyte-Targeting Peptide Liposomes for Targeted Drug Delivery	Bill Cheng
250462	[BISC] Photonics & Optoelectronics	Investigate the spatiotemporal dynamics of primary spermatocyte cellularization in <i>C. elegans</i> through light sheet microscopy	Hsiao-Fang Peng Yu-Chun Chen Yuan Luo Jui-ching Wu
250466	[GCBME] Medical Electronics	Analytical Derivation and Experimental Validation of Magnetic Flux for an Electromagnetic Dental Implant Stability Assessment Device	Riza Fanani Min-Chun Pan
250469	[GCBME] Material Science	Polymeric Bead Fabrication for Cell Culture Applications	Gizem Canko Yu-Cheng Liang Hui-Min David Wang Aidan An-Cheng Sun
250470	[GCBME] Biomechanics	Exploring the physical and biological mechanisms of colorectal cancer metastasis and its microenvironment using hydrogel incorporated biomimetic chip	Shao Wei Huang Yi-Hsuan Lin Fan-Gang Tseng
250474	[GCBME] Medical Electronics	A CMOS Biosensor for Sensing Permittivity at Microwave Frequencies	Wei-Liang Hsu Sheng-Hsun Huang Sheng-Yu Peng Chii-Wann Lin
250475	[GCBME] Medical Imaging	Non-invasive imaging of human tendons in vivo using multispectral optoacoustic tomography for anatomical and functional assessment	Ivana Ivankovic Hsiao-Chun Amy Lin Ali Ozbek Ana Orive Xose-Luis Deán-Ben Daniel Razansky
250476	[GCBME] Medical Imaging	Non-contacting measurement of skin tension via polarization imaging	Szu-Yu Chen Keng-Yang Li Cheng-Chieh Line
250477	[GCBME] Biology	Property changes of spruce woods with different treatments revealed via two-photon hyperspectral imaging and spectral analysis	Szu-Yu Chen Zhen-Hao Fang Wei-Ting Lai Keng-Yang Li Hwan-Ching Tai

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250480	[GCBME] Health Informatics	Research on the commercialization Barriers of AI SaMD	Wei Pin Chen Te-Ai Tang Kuan-Chung Wang Yu-Bin Huang Samuel Wang Angie Aparicio Pi-Ju Tsai Yuan-Hsien Chuang Chao-Chih Hsuehe Peng-Ting Chen
250481	[GCBME] Biology	Barriers of biomedical academic innovations in Taiwan: A case study of Biomedical Commercialization Center	I-Ching Tsai Yi-Jing Lin An-Shun Liu Yu-Tsen Cheng Peng-Ting Chen
250483	[GCBME] Medical Imaging	Ultrasound Motion Estimation Using Modified PWC-Net	Yen-Ting Liu Li-Fu Lee Po-Syun Chen Chih-Wei Liao Geng-Shi Jeng
250484	[GCBME] Material Science	Microwave-hydrothermal synthesis of magnetic biosensor for nucleocapsid gene from coronavirus	Ching-Yi Tai Ssu-Pin Liao Chien-Ho Huang Malla Pravanjan Chi-Hsien Liu
250485	[GCBME] Assistive Technologies	A Predictive Coding Model-Based Sound Therapy on Treating Tinnitus	Chun-Chia Yang Chih-Hsu Huang Chou-Ching Lin
250486	[GCBME] Medical Imaging	Effect of Hypertension on Alzheimer's Disease: a Fixel-Based Analysis	Jiun-Jie Wang Hsien-Hao Tsao Yao-Liang Chen Chih-Chien Tsai Yi-Chun Chen
250487	[BISC] Photonics & Optoelectronics	Temporal Focusing Based Deep Learning Computer Generated Holography For Simultaneous Three-Dimensional Micropattern Neuron Stimulation	Liang-Wei Chen Chun-Yu Lin Shang-Yang Lu Feng-Chun Hsu Yvonne Yuling Hu Shean-Jen Chen
250488	[BISC] Photonics & Optoelectronics	Cross-modality image restoration of temporal focusing microscopy via progressive 3D U-Net	Yvonne Hu Chun-Yu Lin Chia-Wei Hsu Yu-Hao Tseng Shean-Jen Chen
250489	[BISC] Photonics & Optoelectronics	An Advanced Volumetric Imaging System Based on Light Field Microscopy with Selective Excitation via Temporal Focusing	Feng-Chun Hsu Chun-Yu Lin Yvonne Yuling Hu Yeu-Kuang Hwu Ann-Shyn Chiang Shean-Jen Chen

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250490	[GCBME] Health Informatics	Organizational and user barriers to Telemedicine development	Po-Sen Huang Kuan-Chung Wang Yu-Lin Wang Zheng-Yu Hoe Tsung-Hsun Hsieh Wei-Chih Lien Jian-Yu Lian Peng-Ting Chen
250491	[GCBME] Medical Imaging	High-definition depth-resolved skin images with a portable optical coherence tomography	Meng-Tsan Tsai Chien-Yu Lin Tai-Ang Wang Chau Yee Ng
250492	[BISC] Photonics & Optoelectronics	Biosensing applications of graphene in surface plasmons	Yi-An Wei Pei-Jung Wu Yu-Hua Chen Chan-Shan Yang
250493	[GCBME] Medical Imaging	Pelvic Arteries Segmentation on CT Angiography with Deep Learning	Yu-Tong Cheng Te-Wei Shieh Wen-Jeng Lee Tzung-Dau Wang
250494	[GCBME] Medical Imaging	Using Deep-Learning Approaches to Evaluate the Differentiation Quality of the Human Induced Pluripotent Stem Cell-derived Vessel Organoids	Yi-Ming Wang Ly Meng Che Woei-Chyn Chu Chian-Shiu Chien Chung-Yueh Lien
250495	[GCBME] Medical Imaging	A Physical Paradigm for Metabolic Signals in Hyperpolarized [1- <sup>13</sup> C]pyruvate: Spectral–Spatial Encoding and Least-Squares Chemical Shift	Ching-Yi Hsieh
250497	[BISC] Photonics & Optoelectronics	High-speed dual-resonance scanning multiphoton microscopy based on deep learning for dynamic volumetric imaging	Chia-Wei Hsu Chun-Yu Lin Yvonne Yuling Hu Shean-Jen Chen
250498	[GCBME] Medical Electronics	Continuous monitoring of exosomes from cancer cell lines by automatic imaging surface plasmon resonance	Jin-Huai Xu Jian-Hong Yang Chii-Wann Lin
250502	[GCBME] Assistive Technologies	An active and passive hand rehabilitation equipment designed with game-interactive function	Jiun-Hung Lin Han-Lin Li Shih-Tsang Tang
250504	[GCBME] Material Science	Development of ACE2 mimicking domain (AMD) recombinant bacterial phage capsid as SARS-CoV-2 entry blocker for COVID-19 prevention and therapy	Hao-Han Pang Nan-Si Li Ying-Pei Hsu Hung-Wei Yang
250505	[GCBME] Assistive Technologies	A Machine Learning Approach for the Temperature Prediction in Ultrasound Diathermy with Implants	Hsiu-Chin Hsu Siang-Rong Lin Hong-Wei Chen Chia-Ching Chou Shu-Wei Chang Chang-Wei Huang

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250507	[BISC] Photonics & Optoelectronics	In Situ Formation of Au-Glycopolymer Nanoparticles for SERS-Based Biosensing and Single-Cell Immunity	Zi Chun Chia Li-Xing Yang Ting-Yu Cheng Ya-Jyun Chen Horng-Long Cheng Fei-Ting Hsu Ying-Jan Wang Tzu-Chi Huang Chih-Chia Huang
250508	[GCBME] Assistive Technologies	Monitoring Respiratory-Swallow Coordination during Feeding: The Influence of Trunk Positions and Food Textures	Wann-Yun Shieh Chin-Man Wang Yan-Ying Ju Yu-Huei Jian Hsin-Yi Cheng