

發表年份	發表月份	論文題目	儀器	儀器管理
2024	3	Guan-Ling Lin, Hsin-Hou Chang, Wei-Ting Lin, Yu-Shan Liou, Yi-Ling Lai, Min-Hua Hsieh, Po-Kong Chen, Chi-Yuan Liao, Chi-Chih Tsai, Tso-Fu Wang, Sung-Chao Chu, Jyh-Hwa Kau, Hsin-Hsien Huang, Hui-Ling Hsu, Der-Shan Sun*: Dachshund Homolog 1: Unveiling Its Potential Role in Megakaryopoiesis and Bacillus anthracis Lethal Toxin-Induced Thrombocytopenia. Int J Mol Sci. 2024 Mar 7;25(6):3102. doi: 10.3390/ijms25063102 .	10色流式細胞儀	慈濟大學
2024	1-3	Der-Shan Sun, Te-Sheng Lien, Hsin-Hou Chang*: Restraint stress-associated gastrointestinal injury and implications from the Evans blue-fed restraint stress mouse model. Tzu Chi Medical Journal. 2024 Jan-Mar;36(1):23-29. doi: 10.4103/tcmj.tcmj_101_23 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2024	4	Tsung-Jung Ho, Bruce Chi-Kang Tsai, Goswami Debakshee, Marthandam Asokan Shibu, Chia-Hua Kuo, Chih-Hsueh Lin, Pi-Yu Lin, Shinn-Zong Lin, Wei-Wen Kuo, Chih-Yang Huang*: Ohwia caudata aqueous extract attenuates senescence in aging adipose-derived mesenchymal stem cells. Heliyon. 2024 Apr 16;10(9):e29729. doi: 10.1016/j.heliyon.2024.e29729 .	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心
2024	5	Tzu-Kai Lin, Chia-Lun Tsai, Bruce Chi-Kang Tsai, Chia-Hua Kuo, Tsung-Jung Ho, Dennis Jine-Yuan Hsieh, Wei-Wen Kuo, Chih-Yang Huang*: Low-concentration imiquimod treatment promotes enhanced skin barrier functions through epidermal melanization reaction regulation. Environ Toxicol. 2024 May 17. doi: 10.1002/tox.24332 .	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心
2024	5	Tsung-Jung Ho, Tamilselvi Shanmugam, Po-Hsiang Liao, Marthandam Asokan Shibu, William Shao-Tsu Chen, Kuan-Ho Lin, Shang-Yeh Lu, Chia-Hua Kuo, Wei-Wen Kuo, Chih-Yang Huang*: Renal protective effects of Alpinate Oxyphyllae Fructus and mesenchymal stem cells co-treatment against D- galactose induced renal deterioration. Int J Med Sci. 2024 May 27;21(8):1491-1499. doi: 10.7150/ijms.96007 .	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心
2024	5	Chi-Cheng Li, Bruce Chi-Kang Tsai, Selvaraj Anseles Rajula, Chiung-Hung Hsu, Ming-Cheng Chen, Chia-Hua Kuo, Chung-Min Yeh, Dennis Jine-Yuan Hsieh, Wei-Wen Kuo*, Chih-Yang Huang*: Tannic Acid Impedes the Proliferation of Bladder Cancer Cells by Elevating Mitochondrial Pathways of Apoptosis. Cell Biochem Biophys. 2024 May 29. doi: 10.1007/s12013-024-01286-w .	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心
2024	5	En-Yi Lin, Shao-Xi Hsu, Bing-Hua Wu, Yu-Chen Deng, Wei Wuli, Yuan-Sheng Li, Jui-Hao Lee, Shinn-Zong Lin, Horng-Jyh Harn, Tzyy-Wen Chiou: Engineered Exosomes Containing microRNA-29b-2 and Targeting the Somatostatin Receptor Reduce Presenilin 1 Expression and Decrease the β -Amyloid Accumulation in the Brains of Mice with Alzheimer's Disease. Int J Nanomedicine. 2024 May 29;19:4977-4994. doi: 10.2147/IJN.S442876 .	電子顯微鏡	慈濟大學
2024	6	Jhong-Kuei Chen, Samiraj Ramesh, Md Nazmul Islam, Marthandam Asokan Shibu, Chia-Hua Kuo, Dennis Jine-Yuan Hsieh, Shinn-Zong Lin, Wei-Wen Kuo, Chih-Yang Huang*, Tsung-Jung Ho*: Ohwia caudata inhibits doxorubicin-induced cardiotoxicity by regulating mitochondrial dynamics via the IGF-IIR/p-Drp1/PARP signaling pathway. Biotechnol Appl Biochem. 2024 Jun 4. doi: 10.1002/bab.2620 .	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心

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2024	6	Pei-Fang Lai, Ramasamy Mahendran, Bruce Chi-Kang Tsai, Cheng-You Lu, Chia-Hua Kuo, Kuan-Ho Lin, Shang-Yeh Lu, Yu-Ling Wu, Yung-Ming Chang, Wei-Wen Kuo, Chih-Yang Huang*: Calycosin Enhances Heat Shock Related-Proteins in H9c2 Cells to Modulate Survival and Apoptosis against Heat Shock. Am J Chin Med. 2024;52(4):1173-1193. doi: 10.1142/S0192415X24500472 . Epub 2024 Jun 28.	自動活細胞影像系統	心血管暨粒線體相關疾病研究中心
2023	12	Jia-Ying Chien, Jhih-Wei Ciou, Yun Yen, Shun-Ping Huang: Protective effects of compound M01 on retinal ganglion cells in experimental anterior ischemic optic neuropathy by inhibiting TXNIP/NLRP3 inflammasome pathway. Biomed Pharmacother. 2023 Dec 31;169:115861. doi: 10.1016/j.biopha.2023.115861 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2023	12	Yu-Shuan Chen, Zhen-Xiang Hong, Yi-Tung Lin, En-Ci Tsao, Pei-Yu Chen, Ching-Ann Liu, Horng-Jyh Harn, Tzyy-Wen Chiou, Shinn-Zong Lin*: Efficiency of PGK1 proteins delivered to the brain via a liposomal system through intranasal route administration for the treatment of spinocerebellar ataxia type 3. Drug Deliv Transl Res. 2023 Dec 31. doi: 10.1007/s13346-023-01498-2 .	電子顯微鏡	慈濟大學
2023	12	Kavya Moorthy, Kai-Chih Chang, Hsiao-Chi Huang, Wen-Jui Wu, Cheng-Kang Chiang*: Evaluating Antioxidant Performance, Biosafety, and Antimicrobial Efficacy of Houttuynia cordata Extract and Microwave-Assisted Synthesis of Biogenic Silver Nano-Antibiotics. Antioxidants (Basel). 2023 Dec 22;13(1):32. doi: 10.3390/antiox13010032 .	電子顯微鏡	慈濟大學
2023	12	Tsung-Jung Ho, Ching-Fang Lin, Jhong-Kuei Chen, Yen-Lun Kung, Li-Kung Wu, Chen-Ying Chang Chien*, Chun-Ping Huang*: Electroacupuncture attenuates inflammatory pain via peripheral cannabinoid receptor type 1 signaling pathway in mice. PLoS One. 2023 Dec 7;18(12):e0295432. doi: 10.1371/journal.pone.0295432 .	倒立式螢光顯微鏡	花蓮慈院
2023	12	Han-Wei Jiang#, Hsiang-Yi Wu#, Chun-Hsiung Wang, Cheng-Han Yang, Jui-Tse Ko, Han-Chen Ho, Ming-Daw Tsai, Donald A Bryant, Fay-Wei Li, Meng-Chiao Ho, Ming-Yang Ho: A structure of the relict phycobilisome from a thylakoid-free cyanobacterium. Nat Commun. 2023 Dec 4;14(1):8009. doi: 10.1038/s41467-023-43646-9 .	電子顯微鏡	慈濟大學
2023	11	Yu-Hsun Chang, Kun-Chi Wu, Kai-Hung Wang, Dah-Ching Ding*: Assessment of Fallopian Tube Epithelium Features Derived from Induced Pluripotent Stem Cells of Both Fallopian Tube and Skin Origins. Cells. 2023 Nov 16;12(22):2635. https://doi.org/10.3390/cells12222635	倒立式螢光顯微鏡	花蓮慈院
2023	11	Pei-Yi Chen, Ching-Yen Lin, Chia-Ling Wu, Pei Ying Keak, Je-Wen Liou, Wan-Yun Gao, Liang-In Lin, Jui-Hung Yen: Pinostrobin modulates FOXO3 expression, nuclear localization, and exerts antileukemic effects in AML cells and zebrafish xenografts. Chem Biol Interact. 2023 Nov 1:385:110729. doi: 10.1016/j.cbi.2023.110729 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2023	10	Pei-Ying Lee, Bruce Chi-Kang Tsai, Maria Angelina Sitorus, Pi-Yu Lin, Shinn-Zong Lin, Cheng-Yen Shih, Shang-Yeh Lu, Yueh-Min Lin, Tsung-Jung Ho*, Chih-Yang Huang*: Ohwia caudata aqueous extract attenuates doxorubicin-induced mitochondrial dysfunction in Wharton's jelly-derived mesenchymal stem cells. Environ Toxicol. 2023 Oct;38(10):2450-2461. doi: 10.1002/tox.23880 .	流式細胞儀	花蓮慈院

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2023	10	Tso-Fu Wang#, Yu-Shan Liou#, Shang-Hsien Yang, Guan-Ling Lin, Ya-Wen Chiang, Te-Sheng Lien, Chi-Cheng Li, Jen-Hung Wang, Hsin-Hou Chang, Der-Shan Sun: Platelet-derived circulating soluble P-selectin is sufficient to induce hematopoietic stem cell mobilization. Stem Cell Res Ther. 2023 Oct 20;14(1):300. doi: 10.1186/s13287-023-03527-w .	10色流式細胞儀	慈濟大學
2023	9	Pei-Rong Chang, Je-Wen Liou, Pei-Yi Chen, Wan-Yun Gao, Chia-Ling Wu, Ming-Jiuan Wu, Jui-Hung Yen: The Neuroprotective Effects of Flavonoid Fisetin against Corticosterone-Induced Cell Death through Modulation of ERK, p38, and PI3K/Akt/FOXO3a-Dependent Pathways in PC12 Cells. Pharmaceutics. 2023 Sep 23;15(10):2376. doi: 10.3390/pharmaceutics15102376 .	10色流式細胞儀	慈濟大學
2023	9	Jith-Shyan Chen, Sheng-Chun Chiu, Sung-Ying Huang, Shu-Fang Chang, Kuan-Fu Liao: Isolinderalactone Induces Apoptosis, Autophagy, Cell Cycle Arrest and MAPK Activation through ROS-Mediated Signaling in Colorectal Cancer Cell Lines. Int J Mol Sci. 2023 Sep 18;24(18):14246. doi: 10.3390/ijms241814246 .	電子顯微鏡	慈濟大學
2023	8	Chi-Cheng Li, Rina Munalisa, Hsuan-Yun Lee, Te-Sheng Lien, Hao Chan, Shih-Che Hung, Der-Shan Sun, Ching-Feng Cheng, Hsin-Hou Chang*: Restraint Stress-Induced Immunosuppression Is Associated with Concurrent Macrophage Pyroptosis Cell Death in Mice. Int J Mol Sci. 2023 Aug 17;24(16):12877. doi: 10.3390/ijms241612877 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2023	8	Yu-Hsun Chang, Kun-Chi Wu, Kai-Hung Wang, Dah-Ching Ding*: Role of LRRN4 in promoting malignant behavior in a p53- and Rb-defective human fallopian tube epithelial cell line. Am J Cancer Res. 2023 Aug 15;13(8):3324-3341. PMC10492127	流式細胞儀	花蓮慈院
2023	8	Hemalatha Mani, Chun-Chun Chang, Hao-Jen Hsu, Chin-Hao Yang, Jui-Hung Yen and Je-Wen Liou*: Comparison, Analysis, and Molecular Dynamics Simulations of Structures of a Viral Protein Modeled Using Various Computational Tools. Bioengineering (Basel). 2023 Aug 24;10(9):1004. https://doi.org/10.3390/bioengineering10091004		慈濟大學
2023	7	Anthony Avellino, Chen-Huan Peng, Ming-Der Lin*: Cell Cycle Regulation by NF- κ B in Drosophila Eye Imaginal Disc: Implications for Synchronization in the Non-Proliferative Region. Int J Mol Sci. 2023 Jul 30;24(15):12203. doi: 10.3390/ijms241512203 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2023	7	Yu-Hsun Chang, Kun-Chi Wu, Kai-Hung Wang, Dah-Ching Ding*: Effects of the Overexpression of Progesterone Receptors on a Precancer p53 and Rb-Defective Human Fallopian Tube Epithelial Cell Line. Int J Mol Sci. 2023 Jul 23;24(14):11823. doi: 10.3390/ijms241411823 .	倒立式螢光顯微鏡	花蓮慈院

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2023	7	Shu-Fen Chen, Hsin-Lun Hsien, Ting-Fang Wang, Ming-Der Lin*: Drosophila Phosphatase of Regenerating Liver Is Critical for Photoreceptor Cell Polarity and Survival during Retinal Development. Int J Mol Sci. 2023 Jul 15;24(14):11501. doi: 10.3390/ijms241411501 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2023	7	Bijaya Siwakoti, Te-Sheng Lien, You-Yen Lin, Subhashree Pethaperumal, Shih-Che Hung, Der-Shan Sun, Ching-Feng Cheng, Hsin-Hou Chang*: The Role of Activating Transcription Factor 3 in Metformin's Alleviation of Gastrointestinal Injury Induced by Restraint Stress in Mice. Int J Mol Sci. 2023 Jul 1;24(13):10995. doi: 10.3390/ijms241310995 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2023	5	Te-Sheng Lien, Der-Shan Sun, Wen-Sheng Wu, Hsin-Hou Chang*: Simulation of Hemorrhage Pathogenesis in Mice through Dual Stimulation with Dengue Envelope Protein Domain III-Coated Nanoparticles and Antiplatelet Antibody. Int J Mol Sci. 2023 May 25;24(11):9270. doi: 10.3390/ijms24119270 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2023	4	Nayiyuan Wu, Xiaoye Zhang, Zhibin Wang, Xiu Zhang, Chao Fang, He Li, Miao Chen Zhu, Ying Wang, Qianjin Liao*, Tang-Yuan Chu*, Jing Wang*: Progesterone prevents HGSOc by promoting precancerous cell pyroptosis via inducing fibroblast paracrine. iScience. 2023 Apr 21;26(4):106523. doi: 10.1016/j.isci.2023.106523 .	流式細胞儀	花蓮慈院
2023	3	Tsung-Ying Yang, Sung-Pin Tseng, Han-Chen Ho, Li-Hsuan Chen, Po-Ren Hsueh, Po-Liang Lu, Chia-Hsuan Lin, Liang-Chun Wang: In Vitro Evaluation of Tellurium-Based AS101 Compound against Neisseria gonorrhoeae Infectivity. Microbiol Spectr. 2023 Mar 6;11(2):e0149622. doi: 10.1128/spectrum.01496-22 .	電子顯微鏡	慈濟大學
2023	2	Kuan-Yin Tseng, Vassilis Stratoulis, Wei-Fen Hu, Jui-Sheng Wu, Vicki Wang, Yuan-Hao Chen, Anna Seelbach, Henri J Huttunen, Natalia Kuleskaya, Cheng-Yoong Pang, Jian-Liang Chou, Maria Lindahl, Mart Saarna, Li-Chuan Huang, Mikko Airavaara#, Hock-Kean Liew#: Augmenting hematoma-scavenging capacity of innate immune cells by CDNF reduces brain injury and promotes functional recovery after intracerebral hemorrhage. Cell Death Dis. 2023 Feb 15;14(2):128. doi: 10.1038/s41419-022-05520-2 .	倒立式螢光顯微鏡	花蓮慈院
2022	12	Yu-Hsun Chang#, Yu-Jung Lin#, Chih-Yang Huang, Tomor Harnod, Dah-Ching Ding*: Shikonin impedes type 2 ovarian cancer progression via FasL/caspase-8 and mir-874-3p/XIAP axis and prohibits the properties of stemness. Am J Cancer Res. 2022 Oct 15;12(10):4584-4601. PMC9641410	倒立式螢光顯微鏡	花蓮慈院
2022	11	Yu-Hsun Chang, Kun-Chi Wu, Dah-Ching Ding*: Chondrogenic Potential of Human Umbilical Cord Mesenchymal Stem Cells Cultured with Exosome-Depleted Fetal Bovine Serum in an Osteoarthritis Mouse Model. Biomedicines. 2022 Nov 1;10(11):2773. doi: 10.3390/biomedicines10112773. doi: 10.3390/biomedicines10112773 .	流式細胞儀	花蓮慈院
2022	10	Yu-Hsun Chang, Yu-Jung Lin, Chih-Yang Huang, Tomor Harnod, Dah-Ching Ding: Shikonin impedes type 2 ovarian cancer progression via FasL/caspase-8 and mir-874-3p/XIAP axis and prohibits the properties of stemness. Am J Cancer Res. 2022 Oct 15;12(10):4584-4601. PMC9641410	流式細胞儀	花蓮慈院

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2022	10	Tang-Yuan Chu, Sung-Chao Chu, Aye Aye Khine, Pao-Chu Chen, Ming-Hsun Lee, Hsuan-Shun Huang: Effect of ovulation IGF and HGF signaling on the oncogenesis of murine epithelial ovarian cancer cell ID8. <i>Exp Cell Res.</i> 2022 Oct 15;419(2):113323. doi: 10.1016/j.yexcr.2022.113323 .	流式細胞儀	花蓮慈院
2022	8	Shao-Yu Liang, Shih-Chih Wan, Yen-Peng Ho, Yu-Tze Horng, Po-Chi Soo, and Wen-Ping Peng: Rapid Quantification of Polyhydroxybutyrate Polymer from Single Bacterial Cells with Mass Spectrometry. <i>Anal. Chem.</i> 2022, 94, 11734–11738. doi: 10.1021/acs.analchem.2c02807 .	電子顯微鏡	慈濟大學
2022	8	Kavya Moorthy, Kai-Chih Chang, Po-Jen Yu, Wen-Jui Wu, Mei-Yi Liao, Hsiao-Chi Huang, Hsiang-Chi Chiend and Cheng-Kang Chiang: Synergistic actions of phytonutrient capped nanosilver as a novel broad-spectrum antimicrobial agent: unveiling the antibacterial effectiveness and bactericidal mechanism. <i>New J. Chem.</i> , 2022,46, 15301. ajcr0143770	電子顯微鏡	慈濟大學
2022	8	Cheng-Chan Yang, Jia-Ying Chien, Yu-Yau Chou, Jih-Wei Ciou and Shun-Ping Huang: The Effects of Lycium chinense, Cuscuta chinensis, Senna tora, Ophiopogon japonicus, and Dendrobium nobile Decoction on a Dry Eye Mouse Model. <i>Medicina</i> 2022, 58(8), 1134. https://doi.org/10.3390/medicina58081134	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2022	8	Meng-Jiun Lai, Yue-Wern Huang, Hsuan-Chun Chen, Li-I Tsao, Chih-Fang Chang Chien, Bhaskar Singh, Betty Revon Liu: Effect of Size and Concentration of Copper Nanoparticles on the Antimicrobial Activity in Escherichia coli through Multiple Mechanisms. <i>Nanomaterials (Basel)</i> . 2022 Oct 22;12(21):3715. doi: 10.3390/nano12213715 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2022	7	Pavithra Suresh, Sureka Jasmin, Yun Yen, Hao-Jen Hsu, Peeraporn Varintra, Tanita Pairojana, Chien-Chang Chen and Ingrid Y. Liu: Attenuation of HECT-E3 ligase expression rescued memory deficits in 3xTg-AD mice. <i>Front. Aging Neurosci.</i> , 29 July 2022 Volume 14 - 2022; https://doi.org/10.3389/fnagi.2022.916904	微電極細胞電訊號記錄分析系統	慈濟大學
2022	7	Pei-Yi Chen, Chih-Yang Wang, En-Ci Tsao, Yu-Ting Chen, Ming-Juan Wu, Chi-Tang Ho, Jui-Hung Yen: 5-Demethylnobiletin Inhibits Cell Proliferation, Downregulates ID1 Expression, Modulates the NF-κB/TNF-α Pathway and Exerts Antileukemic Effects in AML Cells. <i>Int J Mol Sci.</i> 2022 Jul 2;23(13):7392. doi: 10.3390/ijms23137392 .	10色流式細胞儀	慈濟大學
2022	6	Tanita Pairojana, Sarayut Phasuk, Pavithra Suresh, Ingrid Y Liu: Behavioral and Synaptic Phenotypes of Female Prdx6-/- Micel. <i>Antioxidants (Basel)</i> . 2022 Jun 19;11(6):1201. doi: 10.3390/antiox11061201 .	微電極細胞電訊號記錄分析系統	慈濟大學
2022	5	Yu-Hsuan Wen, Hui-Yi Lin, Jia-Ni Lin, Guo-Fang Tseng, Chung-Feng Hwang, Chung-Ching Lin, Chuan-Jen Hsu, and Hung-Pin Wu: 2,3,4',5-Tetrahydroxystilbene-2-O-β-D-glucoside ameliorates gentamicin-induced ototoxicity by modulating autophagy via Sesn2/AMPK/mTOR signaling. <i>Int J Mol Med.</i> 2022 May;49(5):71. doi: 10.3892/ijmm.2022.5127 .	電子顯微鏡	慈濟大學
2022	4	Shih-Che Hung, Lu-Chu Ke, Te-Sheng Lien, Hsuan-Shun Huang, Der-Shan Sun Chia-Liang Cheng and Hsin-Hou Chang: Nanodiamond-induced thrombocytopenia in mice involves P-selectin-dependent Nlrp3 inflammasome-mediated platelet aggregation and pyroptosis. <i>Front. Immunol.</i> , 04 April 2022. doi.org/10.3389/fimmu.2022.806686	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學

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2022	2	Yu-Yau Chou ,Jia-Ying Chien ,Jih-Wei Ciou and Shun-Ping Huang: The Protective Effects of n-Butylidenephthalide on Retinal Ganglion Cells during Ischemic Injury. Int J Mol Sci. 2022 Feb 14;23(4):2095. doi: 10.3390/ijms23042095 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2022	1	Yu-Hsun Chang, V Bharath Kumar, Yao-Tseng Wen, Chih-Yang Huang, Rong-Kung Tsai, Dah-Ching Ding*: Induction of Human Umbilical Mesenchymal Stem Cell Differentiation Into Retinal Pigment Epithelial Cells Using a Transwell-Based Co-culture System. Cell Transplant. 2022 Jan-Dec;31:9636897221085901. doi: 10.1177/09636897221085901 .	流式細胞儀	花蓮慈院
2021	12	Dun-Jie Chuang, Subhashree Pethaperumal, Bijaya Siwakoti, Hung-Jen Chien, Ching-Feng Cheng, Shih-Che Hung, Te-Sheng Lien, Der-Shan Sun and Hsin-Hou Chang: Activating Transcription Factor 3 Protects against Restraint Stress-Induced Gastrointestinal Injury in Mice. Cells. 2021 Dec 14;10(12):3530. doi:10.3390/cells10123530 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2021	10	Chia-Ling Wu, Lee-Fong Lin, Hsiao-Chun Hsu, Li-Fen Huang, Chung-Der Hsiao and Ming-Lun Chou: Saussurea involucreta (Snow Lotus) ICE1 and ICE2 Orthologues Involved in Regulating Cold Stress Tolerance in Transgenic Arabidopsis. Int J Mol Sci. 2021 Oct 7;22(19):10850. doi: 10.3390/ijms221910850 .	倒立共軛焦顯微鏡 (Nikon C2si+ A1+)	慈濟大學
2021	9	Sarayut Phasuk, Peeraporn Varinthra, Andaman Nitjapol, Korakod Bandasak and Ingrid Y Liu: Peroxiredoxin 6 Knockout Mice Demonstrate Anxiety Behavior and Attenuated Contextual Fear Memory after Receiving Acute Immobilization Stress. Antioxidants (Basel). 2021 Sep 4;10(9):1416. doi: 10.3390/antiox10091416 .		慈濟大學
2021	9	Jia-Ying Chien, Yu-Yau Chou, Jih-Wei Ciou, Fang-Yun Liu, Shun-Ping Huang: The Effects of Two Nrf2 Activators, Bardoxolone Methyl and Omaveloxolone, on Retinal Ganglion Cell Survival during Ischemic Optic Neuropathy. Antioxidants (Basel). 2021 Sep 15;10(9):1466. doi: 10.3390/antiox10091466 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2021	6	Jia-Ying Chien, Shu-Fang Lin, Yu-Yau Chou, Chi-Ying F Huang, Shun-Ping Huang: Protective Effects of Oroxylin A on Retinal Ganglion Cells in Experimental Model of Anterior Ischemic Optic Neuropathy. Antioxidants (Basel). 2021 Jun 3;10(6):902. doi: 10.3390/antiox10060902 .	雷射正立共軛焦顯微鏡 (ZEISS LSM 900)	慈濟大學
2021	5	Tso-Fu Wang, Guan-Ling Lin, Sung-Chao Chu, Chang-Chin Chen, Yu-Shan Liou, Hsin-Hou Chang, Der-Shan Sun: AQP0 is a novel surface marker for deciphering abnormal erythropoiesis. Stem Cell Res Ther. 2021 May 6;12(1):274. doi: 10.1186/s13287-021-02343-4 .	10色流式細胞儀	慈濟大學
2021	4	Sarayut Phasuk, Sureka Jasmin, Tanita Pairojana, Hsueh-Kai Chang, Kai-Chi Liang, Ingrid Y Liu: Lack of the peroxiredoxin 6 gene causes impaired spatial memory and abnormal synaptic plasticity. Mol Brain. 2021 Apr 19;14(1):72. doi: 10.1186/s13041-021-00779-6 .	微電極細胞電訊號記錄分析系統	慈濟大學
2021	3	Wan-Yun Gao, Pei-Yi Chen, Hao-Jen Hsu, Ching-Yen Lin, Ming-Jiuan Wu, Jui-Hung Yen: Tanshinone IIA Downregulates Lipogenic Gene Expression and Attenuates Lipid Accumulation through the Modulation of LXRα/SREBP1 Pathway in HepG2 Cells. Biomedicines. 2021 Mar 23;9(3):326. doi: 10.3390/biomedicines9030326 .	正立螢光顯微鏡 (Nikon Ni-E T12+)	慈濟大學

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2021	3	Ming-Chun Chen, Yu-Chao Hsiao, Chun-Chun Chang, Sheng-Feng Pan, Chih-Wen Peng, Ya-Tzu Li, Cheng-Der Liu, Je-Wen Liou and Hao-Jen Hsu: Valine-279 Deletion-Mutation on Arginine Vasopressin Receptor 2 Causes Obstruction in G-Protein Binding Site: A Clinical Nephrogenic Diabetes Insipidus Case and Its Sub-Molecular Pathogenic Analysis. Biomedicines. 2021 Mar 15;9(3):301. doi: 10.3390/biomedicines9030301 .		慈濟大學
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2021	2	Sarayut Phasuk, Tanita Pairojana, Pavithra Suresh, Chee-Hing Yang, Sittiruk Roytrakul, Shun-Ping Huang, Chien-Chang Chen, Narawut Pakaprot, Supin Chompoonong, Sutisa Nudmamud-Thanoi, Ingrid Y Liu: Enhanced contextual fear memory in peroxiredoxin 6 knockout mice is associated with hyperactivation of MAPK signaling pathway. Mol Brain. 2021 Feb 25;14(1):42. doi: 10.1186/s13041-021-00754-1 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
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2021	2	Jaya Prakash Mandal, Chiou-Nan Shiue, Yen-Cheng Chen, Ming-Che Lee, Hsueh-Hui Yang, Hsin-Hou Chang, Chi-Tan Hu, Pei-Chen Liao, Lin-Ching Hui, Ren-In You, Wen-Sheng Wu: PKC δ mediates mitochondrial ROS generation and oxidation of HSP60 to relieve RKIP inhibition on MAPK pathway for HCC progression. Free Radic Biol Med. 2021 Feb 1;163:69-87. doi: 10.1016/j.freeradbiomed.2020.12.003 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
2020	12	Ying-Ping Huang, Pei-Yu Hou, I-Hsuan Chen, Yau-Huei Hsu, Ching-Hsiu Tsai, Chi-Ping Cheng: Dissecting the role of a plant-specific Rab5 small GTPase NbRabF1 in Bamboo mosaic virus infection. J Exp Bot. 2020 Dec 31;71(22):6932-6944. doi: 10.1093/jxb/eraa422 .	倒立共軛焦顯微鏡 (Nikon C2si+ A1+)	慈濟大學
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2020	9	Yu-Yi Ho, Der-Shan Sun, Hsin-Hou Chang: Silver Nanoparticles Protect Skin from Ultraviolet B-Induced Damage in Mice. Int J Mol Sci. 2020 Sep 25;21(19):7082. doi: 10.3390/ijms21197082 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
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2020	4	Chung-Lin Tsai, Der-Shan Sun, Mei-Tzu Su, Te-Sheng Lien, Yen-Hsu Chen, Chun-Yu Lin, Chung-Hao Huang, Chwan-Chuen King, Chen-Ru Li, Tai-Hung Chen, Yu-Hsiang Chiu, Chun-Chi Lu, Hsin-Hou Chang: Suppressed humoral immunity is associated with dengue nonstructural protein NS1-elicited anti-death receptor antibody fractions in mice. Sci Rep. 2020 Apr 14;10(1):6294. doi: 10.1038/s41598-020-62958-0 .	10色流式細胞儀	慈濟大學
2020	3	Ching-Liang Chu, Yi-Pang Lee, Cheng-Yoong Pang, Huei-Ru Lin, Chang-Shan Chen, Ren-In You: Tyrosine kinase inhibitors modulate dendritic cell activity via confining c-Kit signaling and tryptophan metabolism. Int Immunopharmacol. 2020 Mar 6;82:106357. doi: 10.1016/j.intimp.2020.106357 .	10色流式細胞儀	慈濟大學
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2019	8	Jui-Chih Chang, Wei-Fen Hu, Wen-Sen Lee, Jian-Hong Lin, Pei-Ching Ting, Huai-Ren Chang, Kun-Ruey Shieh, Tsung-I Chen, Kun-Ta Yang: Intermittent Hypoxia Induces Autophagy to Protect Cardiomyocytes From Endoplasmic Reticulum Stress and Apoptosis. Front Physiol. 2019 Aug 7;10:995. doi: 10.3389/fphys.2019.00995 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學

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2019	4	Elena Perevedentseva, Alexander Krivokharchenko, Artashes V Karmenyan, Hsin-Hou Chang, Chia-Liang Cheng: Raman spectroscopy on live mouse early embryo while it continues to develop into blastocyst in vitro. <i>Sci Rep</i> . 2019 Apr 29;9(1):6636. doi: 10.1038/s41598-019-42958-5 .	正立共軛焦顯微鏡 (NIKON C2si+)	慈濟大學
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2018	5	Tzu-Lin Chen, Ya-Wen Chiang, Guan-Ling Lin, Hsin-Hou Chang, Te-Sheng Lien, Min-Hua Sheh, Der-Shan Sun: Different effects of granulocyte colony-stimulating factor and erythropoietin on erythropoiesis. <i>Stem Cell Res Ther</i> . 2018 May 2;9(1):119. doi: 10.1186/s13287-018-0877-2 .	10色流式細胞儀	慈濟大學