

NHRI Publication _ Sep 2021

Institute of Biomedical Engineering and Nanomedicine

1. Kung, Y; Hsiao, MY; Yang, SM; Wen, TY; Chen, M; Liao, WH; Wu, CH; Ao, L; Chen, WS. [A single low-energy shockwave pulse opens blood-cerebrospinal fluid barriers and facilitates gastrodin delivery to alleviate epilepsy](#). *Ultrasonics Sonochemistry*. 2021 Oct; 78: Article number 105730.
2. Zhuang, XM; Kuo, LW; Lin, SY; Yang, JJ; Tu, MC; Hsu, YH. [Prospective memory and regional functional connectivity in subcortical ischemic vascular disease](#). *Frontiers in Aging Neuroscience*. 2021 Aug 20; 13: Article number 686040.
3. Lin, CT; Jiang, WL; Chen, SF; Huang, KC; Liao, LD. [Design of a wearable eye-movement detection system based on electrooculography signals and its experimental validation](#). *Biosensors*. 2021 Sep 17; 11(9): Article number 343.
4. Kao, YT; Chen, YT; Fan, HC; Tsai, TC; Cheng, SN; Lai, PS; Chen, JK; Chen, CM. [Novel coagulation factor viii gene therapy in a mouse model of hemophilia a by lipid-coated fe3o4 nanoparticles](#). *Biomedicines*. 2021 Aug 30; 9(9): Article number 1116.
5. Chiang, HH; Su, CY; Hsu, LH; Yang, MH; Fang, HW. [Improved anti-washout property of calcium sulfate/Tri-calcium phosphate premixed bone substitute with glycerin and hydroxypropyl methylcellulose](#). *Applied Sciences-Basel*. 2021 Sep 2; 11(17): Article number 8136.

Institute of Biotechnology and Pharmaceutical Research

1. Fang, MY; Huang, KH; Tu, WJ; Chen, YT; Pan, PY; Hsiao, WC; Ke, YY; Tsou, LK; Zhang, MM. [Chemoproteomic profiling reveals cellular targets of nitro-fatty acids](#). *Redox Biology*. 2021 Oct; 46: Article number 102126.
2. Huang, HC; Lin, CH; Kuo, CC; Wu, MD; Cheng, MJ; Chen, JJ; Chao, CY; Huang, GJ; Kuo, YH. [Two new chromones and a new coumarin from the fruit of *Cnidium monnieri* \(L.\) Cusson](#). *Natural Product Research*. 2021 Sep 14; Article in Press.

3. Lee, KH; Yen, WC; Lin, WH; Wang, PC; Lai, YL; Su, YC; Chang, CY; Wu, CS; Huang, YC; Yang, CM; Chou, LH; Yeh, TK; Chen, CT; Shih, C; Hsieh, HP. [Discovery of BPR1R024, an orally active and selective CSF1R inhibitor that exhibits antitumor and immunomodulatory activity in a murine colon tumor model](#). *Journal of Medicinal Chemistry*. 2021 Oct 4; Article in Press.
4. Hsu, HY; Yang, CW; Lee, YZ; Lin, YL; Chang, SY; Yang, RB; Liang, JJ; Chao, TL; Liao, CC; Kao, HC; Wu, SH; Chang, JY; Sytwu, HK; Chen, CT; Lee, SJ. [Remdesivir and cyclosporine synergistically inhibit the human coronaviruses OC43 and SARS-CoV-2](#). *Frontiers in Pharmacology*. 2021 Aug 13; 12: Article number 706901.

Institute of Cellular and Systems Medicine

1. Huang, YC; Wang, CY. [Telomere attrition and clonal hematopoiesis of indeterminate potential in cardiovascular disease](#). *International Journal of Molecular Sciences*. 2021 Sep 13; 22(18): Article number 9867.
2. Peng, KY; Jiang, SS; Lee, YW; Tsai, FY; Chang, CC; Chen, LT; Yen, BL. [Stromal galectin-1 promotes colorectal cancer cancer-initiating cell features and disease dissemination through SOX9 and Beta-catenin: Development of niche-based biomarkers](#). *Frontiers in Oncology*. 2021 Sep 10; 11: Article number 716055.
3. Wu, SD; Hsu, SH. [4D bioprintable self-healing hydrogel with shape memory and cryopreserving properties](#). *Biofabrication*. 2021 Sep 27; 13(4): Article number 045029.

Institute of Molecular and Genomic Medicine

1. Fang, MY; Huang, KH; Tu, WJ; Chen, YT; Pan, PY; Hsiao, WC; Ke, YY; Tsou, LK; Zhang, MM. [Chemoproteomic profiling reveals cellular targets of nitro-fatty acids](#). *Redox Biology*. 2021 Oct; 46: Article number 102126.
2. Lin, HW; Chen, CC; Steven de Belle, J; Tully, T; Chiang, AS. [CREBA and CREBB in two identified neurons gate long-term memory formation in Drosophila](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2021 Sep 14; 118(37): Article number e2100624118.

3. Chen, HY; Hsu, CL; Lin, HY; Lin, YF; Tsai, SF; Ho, YJ; Li, YR; Tsai, JW; Teng, SC; Lin, CH. [Clinical and functional characterization of a novel STUB1 frameshift mutation in autosomal dominant spinocerebellar ataxia type 48 \(SCA48\)](#). *Journal of Biomedical Science*. 2021 Sep 26; 28: Article number 65.
4. Yang, NI; Yeh, CH; Tsai, TH; Chou, YJ; Hsu, PW; Li, CH; Chan, YH; Kuo, LT; Mao, CT; Shyu, YC; Hung, MJ; Lai, CC; Sytwu, HK; Tsai, TF. [Artificial intelligence-assisted identification of genetic factors predisposing high-risk individuals to asymptomatic heart failure](#). *Cells*. 2021 Sep 15; 10(9): Article number 2430.
5. Huang, CH; Huang, YL; Shen, ZQ; Lin, CH; Tsai, TF. [Cisd2 preserves the youthful pattern of the liver proteome during natural aging of mice](#). *Biomedicines*. 2021 Sep 15; 9(9): Article number 1229.

Institute of Population Health Sciences

1. Asri, AK; Lee, HY; Pan, WC; Tsai, HJ; Chang, HT; Lung, SCC; Su, HJ; Yu, CP; Ji, JS; Wu, CD; Spengler, JD. [Is green space exposure beneficial in a developing country?](#) *Landscape and Urban Planning*. 2021 Nov; 215: Article number 104226.
2. Chiang, YC; Lin, YJ; Li, X; Lee, CY; Zhang, S; Lee, TS; Chang, HY; Wu, CC; Yang, HJ. [Parents' right strategy on preventing youngsters' recent suicidal ideation: A 13-year prospective cohort study](#). *Journal of Mental Health*. 2021 Sep 24; Article in Press.
3. Wang, JS; Yen, FS; Lin, KD; Shin, SJ; Hsu, YH; Hsu, CC. [Epidemiological characteristics of diabetic kidney disease in Taiwan](#). *Journal of Diabetes Investigation*. 2021 Sep 16; Article in Press.
4. Wu, CT; Tsai, YT; Jung, HK; Fu, SL; Hsiung, CA; Liu, HY; Lai, JN. [Metformin and the risk of anemia of advanced chronic kidney disease in patients with type 2 diabetes mellitus](#). *Journal of Clinical Pharmacology*. 2021 Sep 12; Article in Press.
5. Chen, YY; Wu, VC; Huang, WC; Yeh, YC; Wu, MS; Huang, CC; Wu, KD; Fang, JT; Wu, CJ; Wu, VC; Lai, TS; Lin, YF; Tsai, IJ; Lai, CF; et al. [Norepinephrine administration is associated with higher mortality in dialysis requiring acute kidney injury patients with septic shock](#). *Journal of Clinical Medicine*. 2018 Sep 12; 7(9): Article number 274.

6. Huang, CY; Huang, YT; Lin, YH; Chi, YC; Chang, SS; Chen, YY. [Factors associated with psychological impact of celebrity suicide media coverage: An online survey study](#). *Journal of Affective Disorders*. 2021 Dec 1; 295: 839-845.
7. Shiau, MH; Lee, MC; Lin, FL; Hurng, BS; Yeh, CJ. [Cross-sectional, short-, medium-and long-term effects of dietary pattern on frailty in Taiwan](#). *International Journal of Environmental Research and Public Health*. 2021 Sep 15; 18(18): Article number 9717.
8. Lin, MY; Liu, JS; Huang, TY; Wu, PH; Chiu, YW; Kang, Y; Hsu, CC; Hwang, SJ; Luh, H. [Data analysis of the risks of type 2 diabetes mellitus complications before death using a data-driven modelling approach: Methodologies and challenges in prolonged diseases](#). *Information*. 2021 Aug 12; 12(8): Article number 326.
9. Chen, CC; Wang, YR; Yeh, HY; Lin, TH; Huang, CS; Wu, CF. [Estimating monthly PM2.5 concentrations from satellite remote sensing data, meteorological variables, and land use data using ensemble statistical modeling and a random forest approach](#). *Environmental Pollution*. 2021 Dec 15; 291: Article number 118159.
10. Wu, MT; Wu, CF; Liu, CC; Tsai, YC; Chen, CC; Wang, YH; Hsieh, TJ. [Melamine and oxalate coexposure induces early kidney tubular injury through mitochondrial aberrations and oxidative stress](#). *Ecotoxicology and Environmental Safety*. 2021 Dec 1; 225: Article number 112756.
11. Liu, SY; Cheng, CY; Wu, MY; Zheng, CM; Hsu, CC; Wu, MS; Lin, YC. [Effect of profit status in facilities on the mortality of patients on long-term haemodialysis: A nationwide cohort study](#). *BMJ open*. 2021 Sep 2; 11(9): Article number e045832.
12. Wu, CF; Liu, CC; Tsai, YC; Chen, CC; Wu, MT; Hsieh, TJ. [Diminishment of Nrf2 antioxidative defense aggravates nephrotoxicity of melamine and oxalate coexposure](#). *Antioxidants*. 2021; 10(9): Article number 1464.
13. Tsai, SP; Wen, CP; Tsai, MK; Lu, PJ; Wai, JPM; Wen, C; Gao, W; Wu, X. [Converting health risks into loss of life years - a paradigm shift in clinical risk communication](#). *Aging*. 2021 Sep 7; 13(17): 21513-21525.
14. Huang, MC; Chung, RH; Lin, PH; Kuo, HW; Liu, TH; Chen, YY; Chen, ACH; Liu, YL. [Increase in plasma CCL11 \(Eotaxin-1\) in patients with alcohol dependence and changes](#)

[during detoxification](#). *Brain, Behavior, and Immunity*. 2022 Jan; 99: 83-90.

National Institute of Cancer Research

1. Chang, SL; Chan, TC; Chen, TJ; Yang, CC; Tsai, HH; Yeh, CF; Lee, SW; Lai, HY. [High spin4 expression is linked to advanced nodal status and inferior prognosis in nasopharyngeal carcinoma patients](#). *Life*. 2021 Sep 1; 11(9): Article number 912.
2. Kang, YK; Morita, S; Satoh, T; Ryu, MH; Chao, Y; Kato, K; Chung, HC; Chen, JS; Muro, K; Kang, WK; Yeh, KH; Yoshikawa, T; Oh, SC; Bai, LY; Tamura, T; Lee, KW; Hamamoto, Y; Kim, JG; Chin, K; Oh, DY; Minashi, K; Cho, JY; Tsuda, M; Sameshima, H; Chen, LT; Boku, N. [Exploration of predictors of benefit from nivolumab monotherapy for patients with pretreated advanced gastric and gastroesophageal junction cancer: Post hoc subanalysis from the ATTRACTION-2 study](#). *Gastric Cancer*. 2021 Sep 4; Article in Press.
3. Lai, CC; Chen, TJ; Chan, TC; Li, WS; He, HL. [Prognostic significance of OXR1 in urothelial carcinoma: Low OXR1 expression is associated with worse survival](#). *Future Oncology*. 2021 Sep 1; Article in Press.
4. Peng, KY; Jiang, SS; Lee, YW; Tsai, FY; Chang, CC; Chen, LT; Yen, BL. [Stromal galectin-1 promotes colorectal cancer cancer-initiating cell features and disease dissemination through SOX9 and Beta-catenin: Development of niche-based biomarkers](#). *Frontiers in Oncology*. 2021 Sep 10; 11: Article number 716055.
5. Yang, WB; Wu, AC; Hsu, TI; Liou, JP; Lo, WL; Chang, KY; Chen, PY; Kikkawa, U; Yang, ST; Kao, TJ; Chen, RM; Chang, WC; Ko, CY; Chuang, JY. [Histone deacetylase 6 acts upstream of DNA damage response activation to support the survival of glioblastoma cells](#). *Cell Death and Disease*. 2021 Sep 28; 12(10): Article number 884.
6. Lin, HY; Ho, HW; Chang, YH; Wei, CJ; Chu, PY. [The evolving role of ferroptosis in breast cancer: Translational implications present and future](#). *Cancers*. 2021 Sep 12; 13(18): Article number 4576.
7. Miao, CC; Hwang, W; Chu, LY; Yang, LH; Ha, CT; Chen, PY; Kuo, MH; Lin, SC; Yang, YY; Chuang, SE; Yu, CC; Pan, ST; Kao, MC; Chang, CR; Chou, YT. [LC3A-mediated](#)

- [autophagy regulates lung cancer cell plasticity](#). *Autophagy*. 2021 Oct 5; Article in Press.
8. Yang, SR; Tsai, MH; Hung, CJ; Peng, SL; Chiu, NT; Huang, YH; Tsai, HJ. [Anaplastic thyroid cancer successfully treated with radiation and immunotherapy: A case report](#). *AACE Clinical Case Reports*. 2021 Sep; 7(5): 299-302.
 9. Tseng, JC; Yang, JX; Liu, YL; Su, YW; Lee, AY; Chen, YW; Liu, KJ; Luo, Y; Hong, YR; Chuang, TH. [Sharpening up tumor microenvironment to enhance the efficacy of immune checkpoint blockade on head and neck cancer using a CpG-oligodeoxynucleotide](#). *Cancer Immunology, Immunotherapy*. 2021 Sep 28; Article in Press.
 10. Lin, TL; Wu, CY; Yen, JJ; Juan, CK; Chang, YL; Ho, HJ; Chen, YJ. [Fracture risks in patients with atopic dermatitis: A nationwide matched cohort study](#). *Annals of Allergy, Asthma and Immunology*. 2021 Sep 17; Article in press.

National Institute of Environmental Health Sciences

1. Fang, IM; Fang, YJ; Hu, HY; Weng, SH. [Association of visual impairment with cognitive decline among older adults in Taiwan](#). *Scientific Reports*. 2021 Sep 2; 11: Article number 17593.
2. Lee, CK; Wu, C; Lin, CY; Huang, PC; Sung, FC; Su, TC. [Positive association between endothelium-platelet microparticles and urinary concentration of lead and cadmium in adolescents and young adults](#). *Nutrients*. 2021 Aug 24; 13(9): Article number 2913.
3. Minahan, NT; Chen, CH; Shen, WC; Lu, TP; Kallawicha, K; Tsai, KH; Guo, YL. [Fungal spore richness in school classrooms is related to surrounding forest in a season-dependent manner](#). *Microbial Ecology*. 2021 Sep 8; Article in Press.
4. Asri, AK; Lee, HY; Pan, WC; Tsai, HJ; Chang, HT; Lung, SCC; Su, HJ; Yu, CP; Ji, JS; Wu, CD; Spengler, JD. [Is green space exposure beneficial in a developing country?](#) *Landscape and Urban Planning*. 2021 Nov; 215: Article number 104226.
5. Chen, G; Guo, Y; Yue, X; Tong, S; Gasparini, A; Bell, ML; Armstrong, B; Schwartz, J; Jaakkola, JJK; Zanobetti, A; et al. [Mortality risk attributable to wildfire-related PM_{2.5} pollution: A global time series study in 749 locations](#). *Lancet. Planetary health*. 2021 Sep; 5(9): e579-e587.

6. Lim, ZW; Wang, CC; Wu, WT; Chen, WL. [Return to work in survivors with occupational cancers](#). *Journal of Occupational and Environmental Medicine*. 2021 Sep 10; Article in Press.
7. Liao, WT; Hung, CH; Liang, SS; Yu, S; Lu, JH; Lee, CH; Chai, CY; Yu, HS. [Anti-inflammatory effects induced by near-infrared light irradiation through M2 polarization](#). *Journal of Investigative Dermatology*. 2021 Aug; 141(8): 2056-2066.e10.
8. Tseng, CH. [Metformin reduces the risk of diverticula of intestine in Taiwanese patients with type 2 diabetes mellitus](#). *Frontiers in Pharmacology*. 2021 Sep; 12: Article number 739141.
9. Tsai, JY; Hung, IYJ; Guo, YL; Jan, YK; Lin, CY; Shih, TTF; Chen, BB; Lung, CW. [Lumbar disc herniation automatic detection in magnetic resonance imaging based on deep learning](#). *Frontiers in Bioengineering and Biotechnology*. 2021 Aug 19; 9: Article number 708137.
10. Tung, NT; Ho, SC; Lu, YH; Chen, TT; Lee, KY; Chen, KY; Wu, CD; Chung, KF; Kuo, HP; Thao, HNX; Dung, HB; Thuy, TPC; Wu, SM; Kou, HY; Lee, YL; Chuang, HC. [Higher alveolar deposition of particulate matter in emphysematous lobes of COPD](#). *ERJ Open Research*. 2021 Jul; 7(3): Article number 00324-2021.

National Institute of Infectious Diseases and Vaccinology

1. Wahyuningtyas, R; Lai, YS; Wu, ML; Chen, HW; Chung, WB; Chaung, HC; Chang, KT. [Recombinant antigen of type 2 porcine reproductive and respiratory syndrome virus \(Prnsv-2\) promotes m1 repolarization of porcine alveolar macrophages and th1 type response](#). *Vaccines*. 2021 Sep 10; 9(9): Article number 1009.
2. Huang, SW; Urbina, AN; Chen, YA; Wang, SF. [A retrospective survey among SARS-CoV-1 infected healthcare workers after three years post-infection](#). *Pathogens*. 2021 Aug 25; 10(9): Article number 1078.
3. Lee, YC; Chen, YC; Wang, JT; Wang, FD; Hsieh, MH; Hii, IM; Lee, YL; Ho, MW; Liu, CE; Chen, YH; Liu, WL. [Impact of nutritional assessment on the clinical outcomes of patients with non-albicans candidemia: A multicenter study](#). *Nutrients*. 2021 Sep 16; 13(9):

Article number 3218.

4. Yu, CC; Chang, FC; Hong, YH; Li, JC; Chen, PL; Chen, CH; Chiu, TW; Lu, TT; Wang, YM; Kao, CF. [Assessing the cognitive status of Drosophila by the value-based feeding decision](#). *npj Aging and Mechanisms of Disease*. 2021 Sep 15; 7: Article number 24.
5. Tsai, YW; Dong, JL; Jian, YJ; Fu, SH; Chien, MW; Liu, YW; Hsu, CY; Sytwu, HK. [Gut microbiota-modulated metabolomic profiling shapes the etiology and pathogenesis of autoimmune diseases](#). *Microorganisms*. 2021 Sep 10; 9(9): Article number 1930.
6. Cheng, FC; Lin, TC; Chang, WC; Tsai, PF; Chang, JYF; Chang, YT; Chiang, CP. [The training effectiveness of dental trainees in postgraduate year training program for dentists](#). *Journal of Dental Sciences*. 2021 Sep 2; Article in Press.
7. Hsu, HY; Yang, CW; Lee, YZ; Lin, YL; Chang, SY; Yang, RB; Liang, JJ; Chao, TL; Liao, CC; Kao, HC; Wu, SH; Chang, JY; Sytwu, HK; Chen, CT; Lee, SJ. [Remdesivir and cyclosporine synergistically inhibit the human coronaviruses OC43 and SARS-CoV-2](#). *Frontiers in Pharmacology*. 2021 Aug 13; 12: Article number 706901.
8. Yang, YS; Jeng, WY; Lee, YT; Hsu, CJ; Chou, YC; Kuo, SC; Chen, CC; Hsu, WJ; Chen, HY; Sun, JR. [Ser253Leu substitution in PmrB contributes to colistin resistance in clinical Acinetobacter nosocomialis](#). *Emerging Microbes and Infections*. 2021 Jan; 10(1): 1873-1880.
9. Chen, PY; Chuang, YC; Wang, JT; Sheng, WH; Chen, YC; Chang, SC. [Sequence type 8 as an emerging clone of methicillin-resistant Staphylococcus aureus causing bloodstream infections in Taiwan](#). *Emerging Microbes and Infections*. 2021 Dec; 10(1): 1908-1918.
10. Yang, NI; Yeh, CH; Tsai, TH; Chou, YJ; Hsu, PW; Li, CH; Chan, YH; Kuo, LT; Mao, CT; Shyu, YC; Hung, MJ; Lai, CC; Sytwu, HK; Tsai, TF. [Artificial intelligence-assisted identification of genetic factors predisposing high-risk individuals to asymptomatic heart failure](#). *Cells*. 2021 Sep 15; 10(9): Article number 2430.
11. Hung, YC; Huang, KL; Chen, PL; Li, JL; Lu, SHA; Chang, JC; Lin, HY; Lo, WC; Huang, SY; Lee, TT; Lin, TY; Imai, Y; Hattori, N; Liu, CS; Tsai, SY; Chen, CH; Lin, CH; Chan, CC. [UQCRC1 engages cytochrome C for neuronal apoptotic cell death](#). *Cell Reports*. 2021 Sep 21; 36(12): Article number 109729.

12. Lai, CC; Wu, CJ; Lee, YC; Liu, WL. [COVID-19 associated with concomitant mucormycosis and aspergillosis](#). *Journal of Microbiology, Immunology, and Infection*. 2021 Sep 20; Article in Press.

Center for Neuropsychiatric Research

1. Hung, TW; Wu, KJ; Wang, YS; Bae, EK; Song, Y; Yoon, J; Yu, SJ. [Human milk oligosaccharide 2'-fucosyllactose induces neuroprotection from intracerebral hemorrhage stroke](#). *International Journal of Molecular Sciences*. 2021 Sep 13; 22(18): Article number 9881.
2. Huang, YC; Wu, SC; Hsiao, PC; Chen, LY; Ting, TT; Chen, CY; Kuan, CLC; Tu, YK; Huang, JH; Yen, CF; Yang, HJ; Li, CY; Yen, CF; Chen, WJ. [Men's decrease and women's increase in harmful alcohol use from the 2014 to 2018 national surveys in Taiwan: A harbinger for an emerging national trend in East Asia?](#) *International Journal of Drug Policy*. 2021 Sep 6; Article in press.
3. Yang, YK; Chen, CS; Tsai, CF; Chang, CM; Lai, TJ; Lee, CT; Lin, CC; Lan, TH; Herr, KJ. [A Taiwanese study on real-world evidence with vortioxetine in patients with major depression in Asia \(TREVIDA\)](#). *Current Medical Research and Opinion*. 2021 Sep 13; Article in Press.
4. Hou, SJ; Tsai, SJ; Kuo, PH; Lin, WY; Liu, YL; Yang, AC; Lin, E; Lan, TH. [An association study in the Taiwan Biobank elicits the GABAA receptor genes GABRB3, GABRA5, and GABRG3 as candidate loci for sleep duration in the Taiwanese population](#). *BMC Medical Genomics*. 2021 Sep; 14: Article number 223.
5. Huang, MC; Chung, RH; Lin, PH; Kuo, HW; Liu, TH; Chen, YY; Chen, ACH; Liu, YL. [Increase in plasma CCL11 \(Eotaxin-1\) in patients with alcohol dependence and changes during detoxification](#). *Brain, Behavior, and Immunity*. 2022 Jan; 99: 83-90.

Immunology Research Center

1. Tseng, JC; Yang, JX; Liu, YL; Su, YW; Lee, AY; Chen, YW; Liu, KJ; Luo, Y; Hong, YR; Chuang, TH. [Sharpening up tumor microenvironment to enhance the efficacy of immune](#)

[checkpoint blockade on head and neck cancer using a CpG-oligodeoxynucleotide](#). *Cancer Immunology, Immunotherapy*. 2021 Sep 28; Article in Press.

Graduate Student Program

1. Chang, GR; Tu, MY; Chen, YH; Chang, KY; Chen, CF; Lai, JC; Tung, YT; Chen, HL; Fan, HC; Chen, CM. [KFP-1, a novel calcium-binding peptide isolated from kefir, promotes calcium influx through TRPV6 channels](#). *Molecular Nutrition and Food Research*. 2021 Sep 3; Article in Press.
2. Kao, YT; Chen, YT; Fan, HC; Tsai, TC; Cheng, SN; Lai, PS; Chen, JK; Chen, CM. [Novel coagulation factor viii gene therapy in a mouse model of hemophilia a by lipid-coated fe3o4 nanoparticles](#). *Biomedicines*. 2021 Aug 30; 9(9): Article number 1116.

Construction, Management & Service Center

1. Wang, SC; Lee, DC; Lee, YH; Chang, YP; Chu, IL. [Effects of multimedia-based fall prevention education on the knowledge, attitudes, or behaviors of patients](#). *Japan Journal of Nursing Science*. 2021 Sep24; Article in Press.

Technology Transfer and Incubation Center

1. Huang, LH; Lin, LS; Wang, CL; Chang, YC; Lee, LC; Hu, CC; Hsu, PS; Chu, WM. [Palliative care consultation services on terminally ill cancer patients and non-cancer patients: Trend analysis from a 9-year-long observational study in Taiwan](#). *International Journal of Environmental Research and Public Health*. 2021 Sep 19; 18(18): Article number 9882.