

NHRI Publication _ SEP 2019

Institute of Biomedical Engineering and Nanomedicine

1. Chiang, CF; Hsu, YH; Liu, CC; Liang, PC; Miaow, SC; Lin, WL. [Pulsed-wave ultrasound hyperthermia enhanced nanodrug delivery combined with chloroquine exerts effective antitumor response and postpones recurrence](#). *Scientific Reports*. 2019 Aug; 9: Article number 12448.
2. Li, KY; Tsai, CC; Fang, CH; Wang, YL; Lin, FH; Lin, CP. [Fluorinated montmorillonite composite resin as a dental Pit and fissure sealant](#). *Polymers*. 2019 Sep 20; 11(10): Article number 1535.
3. Tien, CY; Li, JP; Han, D; Li, Z; Fu, PK; Chen, JK; Tsai, CJ. [Development of a novel shallow liquid interface exposure system for MWCNT toxicity assessment](#). *Chemical Research in Toxicology*. 2019 Sep 16; Article in Press.
4. Wu, CY; Chen, YY; Lin, JJ; Li, JP; Chen, JK; Hsieh, TC; Kao, CH. [Development of a novel radioligand for imaging 18-kD translocator protein \(TSPO\) in a rat model of Parkinson's disease](#). *BMC Medical Imaging*. 2019 Sep; 19: Article number 78.
5. Chuang, YC; Hsia, Y; Chu, CH; Lin, LJ; Sivasubramanian, M; Lo, LW. [Precision control of the large-scale green synthesis of biodegradable gold nanodandelions as potential radiotheranostics](#). *Biomaterials Science*. 2019 Sep 9; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Chiang, H; Lee, JC; Huang, HC; Huang, H; Liu, HK; Huang, C. [Delayed intervention with a novel SGLT2 inhibitor NGI001 suppresses diet-induced metabolic dysfunction and nonalcoholic fatty liver disease in mice](#). *British Journal of Pharmacology*. 2019 Sep 9; Article in Press.
2. Tian, JN; Yang, CC; Chuang, CK; Tsai, MH; Wu, RH; Chen, CT; Yueh, A. [A dengue virus type 2 \(DENV-2\) NS4B-interacting host factor, SERP1, reduces DENV-2 production by suppressing viral RNA replication](#). *Viruses*. 2019 Aug 27; 11(9): Article

number 787.

3. Arya, H; Yadav, CS; Lin, SY; Syed, SB; Charles, MRC; Kannadasan, S; Hsieh, HP; Singh, SS; Gajurel, PR; Coumar, MS. [Design of a potent anticancer lead inspired by natural products from traditional Indian medicine](#). *Journal of Biomolecular Structure and Dynamics*. 2019 Sep; Article in Press.

Institute of Cellular and Systems Medicine

1. Lee, CK; Meng, SW; Lee, MH; Chen, HC; Wang, CL; Wang, HN; Liao, MT; Hsieh, MY; Huang, YC; Huang, EP; Wu, CC. [The impact of door-to-electrocardiogram time on door-to-balloon time after achieving the guideline-recommended target rate](#). *PLoS ONE*. 2019 Sep 9; 14(9): Article number e0222019.
2. Hsieh, CT; Hsu, SH. [Double-Network Polyurethane-Gelatin Hydrogel with Tunable Modulus for High-Resolution 3D Bioprinting](#). *ACS Applied Materials and Interfaces*. 2019 Sep 11; 11(36): 32746-32757.
3. Yet, SF; Chen, CH; Ho, HH. [Cysteine-rich protein 2 deficiency attenuates aortic aneurysm formation](#). *Atherosclerosis*. 2019 Aug; 287: E54.
4. Lee, GL; Yeh, CC; Wu, JY; Lin, HC; Wang, YF; Kuo, YY; Hsieh, YTH; Hsu, YJ; Kuo, CC. [TLR2 promotes vsmc calcification via the concerted actions of OPG suppression and IL-6-mediated rankl induction](#). *Atherosclerosis*. 2019 Aug; 287: E27.

Institute of Molecular and Genomic Medicine

1. Feng, KL; Chiang, AS. [Forgetting memories through distinct actin remodeling mechanisms](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2019 Sep 17; Article in Press.
2. Hsu, TH; Tsui, PH; Yu, WT; Huang, SF; Tai, J; Wan, YL; Tai, DI. [Cutoff values of acoustic radiation force impulse two-location measurements in different etiologies of liver fibrosis](#). *Journal of Medical Ultrasound*. 2019 Jul-Sep; 27(3): 130-134.
3. Han, SP; Lin, YF; Weng, HY; Tsai, SF; Fu, LS. [A novel BTK gene mutation in a child with atypical X-linked agammaglobulinemia and recurrent hemophagocytosis: A case](#)

[report](#). *Frontiers in Immunology*. 2019 Aug 20; 10: Article number 1953.

Institute of Population Health Sciences

1. Liu, CK; Huang, YC; Lo, YTC; Wahlqvist, ML; Lee, MS. [Dietary diversity offsets the adverse mortality risk among older indigenous Taiwanese](#). *Asia Pacific Journal of Clinical Nutrition*. 2019 Sep; 28(3): 593-600.
2. Lee, CH; Wu, YL; Kuo, JF; Chen, JF; Chin, MC; Hung, YJ. [Prevalence of diabetic macrovascular complications and related factors from 2005 to 2014 in Taiwan: A nationwide survey](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Sep 18; Article in Press.
3. Tsai, MH; Liu, YY; Chen, CC. [OutbreakFinder: A visualization tool for rapid detection of bacterial strain clusters based on optimized multidimensional scaling](#). *PeerJ*. 2019 Aug; 7: Article number e7600.
4. Chuang, S; Pan, W; Ko, Y; Cheng, H; Chung, C; Wong, P; Chen, C. [Higher flow velocities at both carotid and cerebral arteries were associated with higher cognitive performance in the middle-age individuals](#). *Journal of Hypertension*. 2019 Jul; 37: E288.
5. Chen, C; Chuang, SY; Cheng, HM; Pan, WH. [Association between reservoir and cognitive function among elderly population](#). *Journal of Hypertension*. 2019 Jul; 37: e276.
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7. hLu, Y; Hajifathalian, K; Ezzati, M; Woodward, M; Rimm, EB; Danaei, G; Selmer, R; Strand, BH; Dobson, A; Hozawa, A; Nozaki, A; Okayama, A; Rodgers, A; Tamakoshi, A; Zhou, BF; Zhou, B;; al, et. [Metabolic mediators of the effects of body-mass index, overweight, and obesity on coronary heart disease and stroke: A pooled analysis of 97 prospective cohorts with 1.8 million participants](#). *Lancet*. 2014 Mar; 383(9921): 970-983.
8. Yen, FS; Wang, HC; Pan, CW; Wei, JC; Hsu, CC; Hwu, CM. [Pioglitazone exposure reduced the risk of all-cause mortality in insulin-treated patients with type 2 diabetes](#)

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9. Lin, KD; Hsu, CC; Ou, HY; Wang, CY; Chin, MC; Shin, SJ. [Diabetes-related kidney, eye, and foot disease in Taiwan: An analysis of nationwide data from 2005 to 2014](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Aug 30; Article in Press.
 10. Lee, IT; Hsu, CC; Sheu, WH; Su, SL; Wu, YL; Lin, SY. [Pay-for-performance for shared care of diabetes in Taiwan](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Aug 27; Article in Press.
 11. Tsai, MS; Chen, MH; Lin, CC; Liu, CY; Chen, PC. [Children's environmental health based on birth cohort studies of Asia \(2\) - air pollution, pesticides, and heavy metals](#). *Environmental Research*. 2019 Dec; 179(Pt A): Article number 108754.
 12. hChen, FC; Lee, PS; Huang, YY; Wu, HC; Lin, HY. [Interactions between Inter Partes Review and Hatch-Waxman Litigations](#). *16th IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology, CIBCB 2019*. 2019 Aug 8: Abstract number 18888780.
 13. Zhang, HW; Lin, CW; Kok, VC; Tseng, CH; Lin, YP; Li, TC; Sung, FC; Wen, CP; Hsiung, CA; Hsu, CY. [Incidence of retinal vein occlusion with long-term exposure to ambient air pollution](#). *PLoS ONE*. 2019 Sep 24; 14(9): Article number e0222895.
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17. Wang, CY; Lin, YS; Wang, YH; Lai, CC; Wang, HC; Chen, L; Yu, CJ. [Risk of sepsis among patients with COPD treated with fixed combinations of inhaled corticosteroids and long-acting Beta2 agonists](#). *Aging*. 2019 Sep 10; 11(17): 6863-6871.
18. Lin, PS; Zhu, J. [A heterogeneity measure for cluster identification with application to disease mapping](#). *Biometrics*. 2019 Sep 6; Article in Press.

National Institute of Cancer Research

1. Tsai, HJ; Chang, JS. [Environmental risk Factors of pancreatic cancer](#). *Journal of Clinical Medicine*. 2019 Sep 10; 8(9): Article number 1427.
2. Yeh, YM; Lee, CH; Chen, SH; Lee, CT; Chen, YL; Lin, BW; Lin, SC; Chan, RH; Lee, JC; Shen, MR; Lin, PC. [Comprehensive assessment of HER2 alteration in a colorectal cancer cohort: From next-generation sequencing to clinical significance](#). *Cancer Management and Research*. 2019 Aug 20; 11: 7867-7875.
3. Hsu, CC; Liao, WY; Chan, TS; Chen, WY; Lee, CT; Shan, YS; Huang, PJ; Hou, YC; Li, CR; Tsai, KK. [The differential distributions of ASPM isoforms and their roles in Wnt signaling, cell cycle progression, and pancreatic cancer prognosis](#). *Journal of Pathology*. 2019 Aug 29; Article in Press.
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6. Chang, C; Huang, S; Ito, T; Lo, Y; Shen, C; Tsai, K; Wu, T; Hsu, Y; Chang, K; Lin, T. [Prognostic and clinicopathologic associations of Casein Kinase \(CK\) 1 alpha in acral lentiginous melanoma](#). *Journal of Investigative Dermatology*. 2019 Sep; 139(9): S299.

National Institute of Environmental Health Sciences

1. Li, LA; Liu, HJ; Lee, HL. [Health risks associated with cigarette sidestream smoke inhalation](#). *Toxicology Letters*. 2019 Oct; 314: S107.
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3. Lee, W; Choi, HM; Kim, D; Honda, Y; Leon Guo, YL; Kim, H. [Synergic effect between high temperature and air pollution on mortality in Northeast Asia](#). *Environmental Research*. 2019 Nov; 178: Article number 108735.
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5. Fang, GC; Chen, YC; Kao, CL; Zhuang, YJ; Huang, WC; Lin, WZ. [Dry, wet depositions for ambient air nitrate, sulfate, and chloride ionic species at mixed \(traffic, commercial, and residential\) sampling sites in central Taiwan](#). *Environmental Forensics*. 2019 Aug 28; Article in Press.
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National Institute of Infectious Diseases and Vaccinology

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6. Liao, YC; Cheng, HW; Wu, HC; Kuo, SC; Lauderdale, TLY; Chen, FJ. [Completing circular bacterial genomes with assembly complexity by using a sampling strategy from a single MinION run with barcoding.](#) *Frontiers in Microbiology.* 2019 Sep; 10: Article number 2068.

Center for Neuropsychiatric Research

1. Lu, RB; Wang, TY; Lee, SY; Chen, SL; Chang, YH; See Chen, P; Lin, SH; Chu, CH; Huang, SY; Tzeng, NS; Lee, IH; Chin Chen, K; Kuang Yang, Y; Chen, P; Chen, SH; Hong, JS. [Correlation between interleukin-6 levels and methadone maintenance therapy outcomes.](#) *Drug and Alcohol Dependence.* 2019 Nov 1; 204: Article number 107516.
2. Lo, Y; Chen, WT; Wang, IA; Liu, CY; Chen, WJ; Chen, CY. [Family and school social](#)

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Graduate Student Program

1. Hu, KF; Ho, PS; Chou, YH; Tsai, JH; Lin, CR; Chuang, HY. [Periodontal disease and effects of antipsychotic medications in patients newly diagnosed with schizophrenia: A population-based retrospective cohort.](#) *Epidemiology and Psychiatric Sciences*. 2019 Sep 17; Article in Press.
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