

NHRI Publication _ Jun 2018

Institute of Biomedical Engineering and Nanomedicine

1. Tang, CY; Fu, CC; Hsu, CH. [Generation of hanging drops with defined solution concentrations using a sliding hanging drop chip](#). *2018 IEEE Micro Electro Mechanical Systems*. 2018 Apr 26: 1161-1164.
2. Shen, CC; Chen, GS; Chen, YY; Lin, WL. [Development of a spherical ultrasound transducer for transcranial low-dose ultrasound hyperthermia used in brain tumor nanodrug delivery](#). *World Congress on Medical Physics and Biomedical Engineering 2018*. 2019 May 30: 655-661.
3. Chen, FJ; Lauderdale, TL; Lee, CH; Hsu, YC; Huang, IW; Hsu, PC; Yang, CS. [Effect of a point mutation in mprF on susceptibility to daptomycin, vancomycin, and oxacillin in an MRSA clinical strain](#). *Frontiers in Microbiology*. 2018 May 25; 9: Article number 1086.
4. Su, CY; Huang, SS; Fang, HW. [Effects of major components of synovial fluid on the morphology and wear rate of polyetheretherketone \(PEEK\) particles under an accelerated wear process](#). *Polymers*. 2018 Jun 8; 10(6): Article number 635.
5. Kuo, L; Chiu, L; Lin, W; Chen, J; Dong, G; Chen, S; Chen, G. [Development of a MRI-compatible high-intensity focused ultrasound phased array transducer dedicated for breast tumor treatment](#). *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*. 2018 Jun 1; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Huang, JK; Yang Lauderdale, TL; Lin, CC; Shia, KS. [Total synthesis of tetarimycin A, \(\$\pm\$ \)-Naphthacemycin A9, and \(\$\pm\$ \)-Fasamycin A: structure-activity relationship studies against drug-resistant bacteria](#). *Journal of Organic Chemistry*. 2018 May 22; 83(12): 6508-6523.
2. Nepali, K; Kumar, S; Huang, HL; Kuo, FC; Lee, CH; Kuo, CC; Yeh, TK; Li, YH; Chang, JY; Liou, JP; Lee, HY. [2-Aroylquinoline-5,8-diones as potent anticancer agents](#)

- [displaying tubulin and heat shock protein 90 \(HSP90\) inhibition \[Erratum: Organic and Biomolecular Chemistry. 2016 Jan;14\(2\):716-723.\]](#). *Organic and biomolecular chemistry*. 2018 Jun 15; 16: 4734.
3. Lim, YH; Wong, FT; Yeo, WL; Ching, KC; Lim, YW; Heng, E; Chen, S; Tsai, DJ; Lauderdale, TL; Shia, KS; Ho, YS; Hoon, S; Ang, EL; Zhang, MM; Zhao, H. [Auroramycin: A potent antibiotic from streptomyces roseosporus by CRISPR-Cas9 activation](#). *Chembiochem: A European Journal of Chemical Biology*. 2018 May 25; Article in Press.
 4. Chuang, EY; Lin, KJ; Huang, TY; Chen, HL; Miao, YB; Lin, PY; Chen, CT; Juang, JH; Sung, HW. [An intestinal "Transformers"-like nanocarrier system for enhancing the oral bioavailability of poorly water-soluble drugs](#). *ACS nano*. 2018 Jun 6; Article in Press.

Institute of Cellular and Systems Medicine

1. Lai, JH; Wang, MY; Huang, CY; Wu, CH; Hung, LF; Yang, CY; Ke, PY; Luo, SF; Liu, SJ; Ho, LJ. [Infection with the dengue RNA virus activates TLR9 signaling in human dendritic cells](#). *EMBO reports*. 2018 Jun 7; 2018: Article number e46182.
2. Huang, YJ; Hung, KC; Hung, HS; Hsu, SH. [Modulation of macrophage phenotype by biodegradable polyurethane nanoparticles: Possible relation between macrophage polarization and immune response of nanoparticles](#). *ACS Applied Materials and Interfaces*. 2018 May 18; 10(23): 19436-19448.
3. Li, TN; Wu, YJ; Tsai, HW; Sun, CP; Wu, YH; Wu, HL; Pei, YN; Lu, KY; Yen, TT; Chang, CW; Chan, HL; Tao, MH; Liou, JY; Chang, MD; Su, IJ; Wang, LH. [Intrahepatic HBV large surface antigen induces hepatocyte hyperploidy via failure of cytokinesis](#). *Journal of Pathology*. 2018 Jun 3; Article in Press.
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Institute of Molecular and Genomic Medicine

1. Chang, YT; Lin, TP; Tang, JT; Campbell, M; Luo, YL; Lu, SY; Yang, CP; Cheng, TY; Chang, CH; Liu, TT; Lin, CH; Kung, HJ; Pan, CC; Chang, PC. [HOTAIR is a REST-regulated lncRNA that promotes neuroendocrine differentiation in castration resistant prostate cancer](#). *Cancer Letters*. 2018 Oct 1; 433: 43-52.

Institute of Population Health Sciences

1. Burke, RM; Shih, SM; Yen, C; Huang, YC; Parashar, UD; Lopman, BA; Wu, FT; Hsiung, CA; Hall, AJ. [Burden of severe norovirus disease in Taiwan, 2003-2013](#). *Clinical Infectious Diseases*. 2018 Jun 6; Article in Press.
2. Fullman, N; Yearwood, J; Bassat, Q; Basu, S; Baune, BT; Bazargan-Hejazi, S; Chang, HY; Collaborators, GBD 2016 Healthcare Access and Quality. [Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: A systematic analysis from the Global Burden of Disease Study 2016](#). *Lancet*. 2018 Jun; 391(10136): 2236-2271.
3. Kuo, SC; Shih, SM; Lauderdale, TLY; Chang, IS; Chen, YC; Hsiung, CA; Chang, SC. [Policy-driven revolution of prescription record in outpatient use of fluoroquinolones](#). *Journal of Microbiology, Immunology and Infection*. 2018 May 29; Article in Press.
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6. Kok, VC; Zhang, HW; Lin, CT; Huang, SC; Wu, MF. [Positive association between hypertension and urinary bladder cancer: Epidemiologic evidence involving 79,236 propensity score-matched individuals](#). *Upsala Journal of Medical Sciences*. 2018 Jun 18; Article in Press.
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8. Mokdad, AH; Khalil, I; El Bcheraoui, C; Charara, R; Moradi-Lakeh, M; Afshin, A; Kassebaum, NJ; Collison, M; Daoud, F; Chew, A; Faro, A; Farvid, MS; Fereshtehnejad, SM; Fischer, F; Gao, W; Gebrehiwot, TT; et al. [Transport injuries and deaths in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 Study](#). *International Journal of Public Health*. 2018 May; 63: 187-198.
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 10. Pao, YC; Chen, CY; Chang, CI; Chen, CY; Tsai, JS. [Self-reported exhaustion, physical activity, and grip strength predict frailty transitions in older outpatients with chronic diseases](#). *Medicine*. 2018 Jun; 97(23): Article number e10933.
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1. Sung, YJ; Kao, TY; Kuo, CL; Fan, CC; Cheng, AN; Fang, WC; Chou, HY; Lo, YK; Chen, CH; Jiang, SS; Chang, IS; Hsu, CH; Lee, JC; Lee, AY. [Mitochondrial Lon sequesters and stabilizes p53 in the matrix to restrain apoptosis under oxidative stress via its chaperone activity](#). *Cell Death and Disease*. 2018 Jun 13; 9: Article number 697.
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3. Cheng, YJ; Tsai, MH; Chiang, CJ; Tsai, ST; Liu, TW; Lou, PJ; Liao, CT; Lin, JC; Chang, JT; Tsai, MH; Chu, PY; Leu, YS; Tsai, KY; Terng, SD; Chien, CY; Yang, MH; Hao, SP; Wang, CC; Tsai, MH; Chen, HHW; Kuo, C; Wu, YH. [Adjuvant radiotherapy](#)

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- Wu, HY; Huang, CH; Lin, YH; Wang, CC; Jan, TR. [Cannabidiol induced apoptosis in](#)

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1. Chu, CS; Li, WR; Huang, KL; Su, PY; Lin, CH; Lan, TH. [The use of antipsychotics is associated with lower mortality in patients with Alzheimer's disease: A nationwide population-based nested case-control study in Taiwan](#). *Journal of Psychopharmacology*.

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4. Lin, MS; Lin, CC; Yang, CC; Weng, SC; Wang, SM; Chen, CY; Huang, N; Chou, YH. [Myocardial injury was associated with neurological sequelae of acute carbon monoxide poisoning in Taiwan.](#) *Journal of the Chinese Medical Association*. 2018 May 28; Article in Press.

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1. Yang, CY; Chiu, LL; Chang, CC; Chuang, HC; Tan, TH. [Induction of DUSP14 ubiquitination by PRMT5-mediated arginine methylation.](#) *FASEB Journal*. 2018 Jun 19; Article in Press.

Laboratory Animal Center

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