

***劉浩澧教授**

所有發表期刊論文

(A)期刊論文

2014:

1. HY Huang**, **HL Liu****, PH Hsu, CS Chiang, CH Tsai, HS Chi, SY Chen, and YY Chen*, "Multitheragnostic Nanobubble System to Induce Brain-Blood Barrier Disruption with Magnetically Guided Focused Ultrasound," ***Advanced Materials***, Accepted, 2014 (**Equal Contribution; 7/148 in "Chemistry, Multidisciplinary")
2. MT Tsai, FY Chang, CK Lee, CS Gong, YX Lin, JD Lee, CH Yang, **HL Liu***, "Investigation of temporal vascular effects induced by focused ultrasound treatment with speckle-variance optical coherence tomography," ***Biomedical Optics Express***. Vol. 5, No. 7, pp. 2009-22, 2014. (*Corresponding author; 7/84 in "Optics").
3. CH Fan, WH Lin, CY Ting, WY Chai, TC Yen, **HL Liu*** and CK Yeh, "Contrast-Enhanced Ultrasound Imaging for the Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening," ***Theranostics***, Vol. 4, No. 10, pp. 1014-1025, 2014 (*Corresponding author; 9/122 in "Medicine, Research and Experimental").
4. WY Chai, PC Chu, MY Tsai, YC Lin, JJ Wang, KC Wei, YY Wai and **HL Liu***, "Magnetic-Resonance Imaging for Kinetic Analysis of Permeability Changes during Focused Ultrasound-Induced Blood-Brain Barrier Opening and Brain Drug Delivery," ***Journal of Controlled Release***, Vol. 192, pp.1-9, 2014 (11/254 in "Pharmacology & Pharmacy")
5. AH Liao, HY Chou, YL Hsieh, SC Hsu, KC Wei, and **HL Liu***, Enhanced Therapeutic Epidermal growth factor receptor (EGFR) Antibody Delivery via Pulsed Ultrasound with Targeting Microbubbles for Glioma Treatment," ***Journal of Medical and Biomedical Engineering***, Accepted, 2014 (60/79 in "Engineering, Biomedical").
6. J Xia, Q Li, PY Chen, Z Zhou, CY Wang, **HL Liu**, J Teng, and PH Tsui, "Considering Angle Selection When Using Ultrasound Electrode Displacement Elastography to Evaluate Radiofrequency Ablation of Tissues," ***BioMed Research International***, Volume 2014, ID 764320, 2014 (65/158 in "Biotech. and App. Microbiology")
7. HW Yang, CY Huang, CW Lin, **HL Liu**, CW Huang, SS Liao, PY Chen, YJ Lu, KC Wei, CCM Ma, "Gadolinium-functionalized nanographene oxide for

- combined drug and microRNA delivery and magnetic resonance imaging," **Biomaterials**, Vol. 35, pp.6534-6542, 2014 (2/77 in "Engineering, Biomedical").
8. CH Fan**, **HL Liu****, CY Ting, YH Lee, CY Huang, YJ Ma, KC Wei, TC Yen and CK Yeh, "Submicron-Bubble-Enhanced Focused Ultrasound for Blood-Brain Barrier Disruption and Improved CNS Drug Delivery," **PLoS ONE**, Vol.9, No. 5, e96327, 2014 (**Equal contribution, 8/55 in "Multidisciplinary Sciences")
 9. X Geng, Z Zhou, Q Li, S Wu, CY Wang, **HL Liu**, CC Chuang, and PH Tsui, "Comparison of ultrasound temperature imaging with infrared thermometry during radio frequency ablation," **Japanese Journal of Applied Physics**, Vol. 53, No. 4, pp. 047001, 2014 (82/128 in Physics, Applied)
 10. **HL Liu***, CK Jan, PC Chu, JC Hong, PY Lee, JD Hsu, CC Lin, CY Huang, PY Chen, and KC Wei*, "Design and Experimental Evaluation of a 256-Channel Dual-Frequency Ultrasound Phased-Array System for Transcranial Blood-Brain Barrier Opening and Brain Drug Delivery," **IEEE Transactions on Biomedical Engineering**, Vol.61, No. 4, pp.1350-1360, 2014 (29/77 in "Engineering, Biomedical").
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 12. HW Yang, CY Huang, CW Lin, **HL Liu**, CW Huang, SS Liao, PY Chen, PW Hsu, YJ Lu, KC Wei, CCM Ma, "Gadolinium-functionalized nanographene oxide as a nanocarrier for combined drug and microRNA delivery and magnetic resonance imaging," **Nano Research**, accepted, 2014 (17/241 in Materials Science, Multidisciplinary).

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14. YW Huang, SH Hu, SY Hung, CS Chiang, **HL Liu**, TL Chiou, HY Lai, YY Chen, "SPIO Nanoparticle-Stabilized Nanobubbles with MR/US Dual-Modality Imaging and HIFU-triggered Release Drug for in-vivo Therapy," **Journal of Controlled Release**, Vol. 172, pp.118-127, 2013 (in "Chemistry, Multidisciplinary).

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21. KC Wei, PC Chu, HYJ Wang, CY Huang, PY Chen, HC Tsai, YJ Lu, IC Tseng, PY Lee, TC Yen, and **HL Liu***, "Focused Ultrasound-induced Blood–Brain Barrier Opening to Enhance Temozolomide Delivery for Glioblastoma Treatment: A Preclinical Study," **PLoS ONE**, Vol. 8, No. 3, pp. e58995, 2013 (*通訊作者; 8/55 in "Multidisciplinary Sciences")

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