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個人研究

Journal paper:

Sum of the Times Cited: 1508 (Scopus database)

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 - A3. Gwo-Bin Lee*, Shu-Hui Chen, Chin-She Lin, Guan-Ruey Huang, and Yen-Heng Lin, “Microfabricated Electrophoresis Chips on Quartz Substrates and Their Applications on DNA Analysis, “, Journal of The Chinese Chemical Society, Vol. 48, No. 6B, 2001.
 - A2. Che-Hsin Lin, Gwo-Bin Lee*, Yen-Heng Lin, and Guang-Liang Chang, “A Fast-Prototyping Process for Fabrication of Microfluidic Systems on Soda-Lime Glass, “ Journal of Micromechanics and Microengineering, Vol. 11, pp. 726-732, 2001. Highly cited papers in 10 years, top 1% selected by ISI.
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Conference paper:

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 - B. Heng-Yun Chang, Chia-Chun Wu, Jau-Song Yu, and Yen-Heng Lin*, Pneumatic micro-mixers for protein immunoprecipitation and protein digestion, ISMM 2017, Hobart, Australia.
 - B. ChingHung Hsu, Gui Chen, Yen-Heng Lin, Mark Ming-Cheng Cheng*, Anodic bonding using Gorilla glasses, IEEE-NEMS 2017, Los Angeles, USA.
 - B. Heng-Yun Chang, Chia-Wei Wu, Chia-Chun Wu, Jau-Song Yu, and Yen-Heng Lin*, “An pneumatic micro-mixer design for rapid protein immunoprecipitation,” ISMM 2016, Hong Kong.
 - B. Yong-Sheng Peng, Yen-Heng Lin*, “Controllable number of assembled nanowires between a gap of metal electrode with aid of optoelectronic tweezers,”
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- B. Jing-Chao Wong, Yong-Sheng Peng, Yen-Heng Lin*, “An assembling process of silicon naowire sensor using dielectrophoresis,” IEEE-NEMS 2015, Xian, China.
 - B. Chia-Wei Wu and Yen-Heng Lin*, An automatically controlled microfluidic chip for protein biomarker detection by using bead-based ELISA, ISMM2014, Singapore.
 - B. Wei-Chieh Hsu, Po-Yu Peng, Tung-Ming Pan, and Yen-Heng Lin*, An immunoassay solid-state sensor integrated in a microfluidic chip, ISNE2014, Taoyuan, Taiwan.
 - B1. Po-Yu Peng, Wei-Chieh Hsu, Tung-Ming Pan, and Yen-Heng Lin*, ” Rapid detection of bladder cancer using an immunoassay transistor combined with DNA-labeling technique in a microfluidic chip,” IEEE-NEMS 2014, Hawaii, USA.
 - B2. Chih-Pin Chu, Chen-Fu Lin, Hsin-Hao Liao, Hann-Huei Tsai, Ying-Zong Juang, and Yen-Heng Lin*, ” Integration of Ion-Sensitive-Field-Effect-Transistor with Microfluidic Chip for Biomedical Application,” IEEE NANOMED 2013, Phuket, Thailand.
 - B3. Chia-Chu Wang, Yen-Heng Lin*, Kin-Fong Lei, “A chaotic bubble mixer microfluidic device for rapid detection of bladder cancer using bead-based ELISA, ” IEEE-NEMS 2013, Suzhou, China.
 - B4. Anirban Das, Yen-Heng Lin*, Tatsuo YOSHINOBU, and Chao-Sung Lai*, “A Novel Flexible Chemical Imaging Set-Up of Amorphous- Si-Based Light-Addressable Potentiometric Sensor Using Video Projector as a Programmable Scanning Light Source,” IMCS 2012, Nuremberg, Germany.
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 - B6. Ying-Ju Chen, Yen-Heng Lin*, Chao-Sung Lai, Yi-Ting Chen, Jau-Song Yu, and Yu-Sun Chang, “A syringe-vacuum driven microfluidic chip integrated with beads-based ELISA for early setection of bladder cancer,” Micro-TAS 2011, Seattle, USA.
 - B7. Yen-Heng Lin*, Anirban Das, Kai-Siang Ho, Yu-Jen Pan, Chao-Sung Lai, Liann-Be Chang, “Investigation of possibility of generating high resolution chemical image by using light-addressable potentiometric sensor with amorphous silicon as substrate and commercial projector as light source,” ISMM 2011, Seoul, Korea.
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 - B10. Yen-Heng Lin and Gwo-Bin Lee*, “Continuous cell lysis devices using optically-induced electric field,” ASME-MNHMT 2009, Shanghai, China. (Invited talk co-author)
 - B11. Yen-Heng Lin, Chen-Min Chang, and Gwo-Bin Lee*, “A new platform for manipulating a single DNA molecule by using optically-induced dielectrophoresis,” Transducer 2009, Denver, USA. (Oral presentation)
 - B12. Gwo-Bin Lee*, Yen-Heng Lin, Wang-Ying Lin, Wei Wang, and Tzung-Fang Guo, “Optically-induced dielectrophoresis using polymer materials for biomedical applications,” Transducer 2009, Denver, USA. (Invited talk co-author)
 - B13. Shih-Hsun Hung, Yen-Heng Lin and Gwo-Bin Lee*, A new platform for manipulation and separation of oil-in-water emulsion droplets using optically induced dielectrophoresis,’ Transducer 2009, Denver, USA.
 - B14. Wang-Ying Lin, Yen-Heng Lin and Gwo-Bin Lee*, “Continuous micro-particle separation using optically-induced dielectrophoretic forces,” IEEE-MEMS 2009, Sorrento, Italy. (Oral presentation co-author)
 - B15. Wei Wang, Yen-Heng Lin, Tzung-Fang Guo and Gwo-Bin Lee*, “Manipulation of biosamples and microparticles using optical images on polymer devices,” IEEE-MEMS 2009, Sorrento, Italy.
 - B16. Yen-Heng Lin and Gwo-Bin Lee*, “A new micro flow cytometer using optically-induced dielectrophoretic forces for continuous microparticle counting and sorting,” Micro-TAS 2008, San Diego, USA. (Oral presentation)
 - B17. Chen-Yi Lee, Yen-Heng Lin and Gwo-Bin Lee*, “A new microfluidic device for formation and switching of micro-droplets,” Micro-TAS 2008, San Diego, USA.
 - B18. Yen-Heng Lin, Chun-Hong Lee and Gwo-Bin Lee*, “A New Droplet Formation Chip Utilizing Controllable Moving-wall Structures for Double Emulsion Applications,” IEEE-MEMS 2008, Tucson, USA. (Oral presentation)
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Other conference paper:

- B. 王益庭, 林彥亨*, 光纖感測應用於液滴計數, 2017 化學感測器科技研討會, 成功大學
 - B. 廖祥竣, 宋政達, 邱全羊, 林彥亨*, 連續流聚合酶連鎖反應之微流體檢測晶片, 2017 化學感測器科技研討會, 成功大學
 - B. 吳家緯, 蘇瑋婷, 張恆芸, 吳嘉群, 蕭永晉, 余兆松, 林彥亨*, 質譜定量偵測蛋白質之快速樣品前處理微流體晶片, 2016 台灣質譜學會學術研討會, 中山大學 (Invited talk)
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 - B. Ching-Hong Hsu, Wei-chieh Hsu, Yu-Chieh Wu, Shao-Syuan Gao, I-Chi Lee and Yen-Heng Lin*, Fast fabrication methods with controllable height and width of microneedle arrays for transdermal drug delivery, 2016 SEMBA, 長庚大學
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 - B. 彭詠聖, 張雅婷, 吳治慶, 林彥亨*, 自體免疫抗體檢測之微流體檢測晶片應用於快速篩檢口腔癌, 2015 醫工年會, 台灣大學
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