

## 期刊論文

年度	論文名稱	作者
2018	LED-CT Scan for pH Distribution on a Cross-Section of Cell Culture Medium	N. Higashino, T. Takayama*, H. Ito, M. Horade, Y. Yamaguchi, C. D. Tsai and M. Kaneko
2017	Red Blood Cell Responses during a Long-Standing Load in a Microfluidic Constriction	M. Horade, C. D. Tsai*, H. Ito and M. Kaneko
2017	Transfer Function of Macro-Micro Manipulation on a PDMS Microfluidic Chip	K. Mizoue, K. Teramura, C. D. Tsai*, and M. Kaneko
2017	Mechanical diagnosis of human erythrocytes by ultra-high speed manipulation unraveled critical time window for global cytoskeletal remodeling	H. Ito, R. Murakami, S. Sakuma, C. D. Tsai, T. Gutschmann, K. Brandenburg, J. Poschl, F. Arai, M. Kaneko*, and M Tanaka*
2016	An On-Chip RBC Deformability Checker Significantly Improves Velocity-Deformation Correlation	C. D. Tsai*, J. Tanaka, M. Kaneko, M. Horade, H. Ito, T. Taniguchi, T. Ohtani and Y. Sakata
2016	Gravity-Based Precise Cell Manipulation System Enhanced by In-Phase Mechanism	K. Mizoue, M. H. Phan, C. D. Tsai*, M. Kaneko, J. Kang and W. K. Chung
2016	On-chip pressure sensor using single-layer concentric chambers	C. D. Tsai* and M. Kaneko
2015	Cell Pinball: Phenomenon and Mechanism of Inertia-Like Cell Motion in a Microfluidic Channel	R. Murakami, C. D. Tsai*, M. Kaneko, S. Sakuma and F. Arai
2015	On-chip actuation transmitter for enhancing the dynamic response of cell manipulation using a macro-scale pump	T. Monzawa, M. Kaneko, C. D. Tsai*, S. Sakuma and F. Arai
2014	Geometrical alignment for improving cell evaluation in a microchannel with application on multiple myeloma red blood cells	C. D. Tsai*, S. Sakuma, F. Arai, T. Taniguchi, T. Ohtani, Y. Sakata and M. Kaneko

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2014	A New Dimensionless Index for Evaluating Cell Stiffness-Based Deformability in Microchannel	C. D. Tsai*, S. Sakuma, F. Arai and M. Kaneko
2014	Red blood cell fatigue evaluation based on the close-encountering point between extensibility and recoverability	S. Sakuma*, K. Kuroda, C. D. Tsai, W. Fukui, F. Arai and M. Kaneko

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資料來源：

<https://arsp.most.gov.tw/NSCWebFront/modules/talentSearch/talentSearch.do?action=initRsm05&rsNo=25048458eb21476f8d696476976240f4&LANG=chi>