

出版日期	著作類別	期刊論文名稱	作者	收錄出處
2019-2	期刊論文	A Framework for Process Inspection of Metal Additive Manufacturing	Chih-Kun Cheng, Frank Liou, Yi-Chien Cheng, and Sheng-Chih Shen	Sensors and Materials
2019-2	期刊論文	Design and Fabrication of a Displacement Sensor Using Screen-printed Technology and Piezoelectric Nanofibers in d33 Mode	S.C. Shen, Y.C. Chen	Sensors and Materials
2018-10	期刊論文	Design of secondary lens for LED fishing lamps to evaluation catches energy efficiency in saury fishing	C.Y. Kuo, S.C. Shen	IEEE Access
2017-6	期刊論文	Design and estimation of a sensing attitude algorithm for AUV self-rescue system	Y. T. Yang, S. C. Shen*	Ocean Systems Engineering
2016-10	期刊論文	Investigation of the anti-adhesion layers for nanoimprint molding	C. T. Pan, T. L. Yang, C. Y. Su, C. H. Chao, Z. K. Wang, S. C. Shen	Microsystem Technologies
2015-8	期刊論文	Fibers and Conductive Films Using Silver Nanoparticles and Nanowires by Near-Field Electrospinning Process	C. T. Pan, T. L. Yang, Y. C. Chen, C. Y. Su, S. P. Ju, K. H. Hung, I. C. Wu, C. C. Hsieh, and S. C. Shen	Journal of Nanomaterials
2014-5	期刊論文	Design a light pattern of multiple concentric circles for LED fishing lamps using Fourier series and an energy mapping method	S.C. Shen*, J.S. Li, M.C. Huang,	Optics Express
2014-2	期刊論文	Wet Deposition Process for Thin-Film Transistors	S. C. Shen, C. T. Pan, S.J. Chang*, S. C. Lin	Materials and Manufacturing Processes
2013-11	期刊論文	Design and Evaluation of a Multi-degree-of-freedom Piezoelectric Micro-actuator and its Applications	S. C. Shen*, Y. C. Chen	International Journal of Automation and Smart Technology
2013-9	期刊論文	Design and testing of a uniformly solar energy TIR-R concentration lenses for HCPV systems	S.C. Shen, S.J. Chang, and C. Y. Yeh	Optics Express
2013-8	期刊論文	泛談秋刀魚漁船LED燈	郭正元、沈聖智*、莊昇偉	漁業推廣
2013-5	期刊論文	A Novel Dual-Screen Projection System Using a Balance-type Micromirror with a Piezoelectric Actuator	S.C. Shen*, Y.J. Wang, M.T. Shih	Sensors and Actuator A:
2013-2	期刊論文	Design and Analysis of an Underwater White LED Fish-attracting Lamp and its Light Propagation	S.C. Shen*, C.Y. Kuo, M.C. Fang	International Journal of Advanced Robotic Systems
2013-1	期刊論文	Design and Analysis of a High-Intensity LED Lighting Module for Underwater Illumination	S. C. Shen*, H. J. Huang, C. C. Chao, M. C. Huang	Applied Ocean Research
2012-12	期刊論文	Performance Evaluation of a MEMS-based Inertial Sensors for Underwater Vehicle Navigation	S. C. Shen*, M. C. Fang, M. C. Huang, H. J. Huang,	Journal of Taiwan Society of Naval Architects and Marine Engineers
2012-11	期刊論文	Design and Fabrication of Novel Hybrid Structure Heat Pipe for Concentrator Photovoltaic	H. J. Huang, S. C. Shen*, H. J. Shaw	Energies
2012-11	期刊論文	Design of LED Fish lighting Attractors Using Horizontal/Vertical LIDC Mapping Method	S.C.Shen*,H.J.Huang	Optics Express
2012-9	期刊論文	高亮度LED燈具應用於燈火漁業漁船之現況	沈聖智*、方銘川	漁業推廣
2012-8	期刊論文	A new type of multi-degree-of-freedom miniaturization actuator using symmetric piezoelectric pusher element for a pocket sun-tracking system	S.C. Shen*, P.C. Tsai, Yu-Jen Wang, H.J. Huang	Sensors and Actuator A
2012-6	期刊論文	Design and Fabrication of a Multi-degree-of-freedom Microactuator Using Symmetric Piezoelectric Pusher Element and Its Applications	S. C. Shen, J. C.Huang, P. C.Tsia, H. J. Huang	微系統暨奈米科技協會會刊
2012-6	期刊論文	Experimental Study of Micro Rectangular Groove Structure Covered with Multi Mesh Layers on Performance of Flat Plate Heat Pipe for LED lighting module	J.C. Hsieh, H.J. Huang, S.C. Shen*	Microelectronics Reliability
2012-1	期刊論文	遠洋秋刀魚漁船LED集魚燈首航記	沈聖智、方銘川、莊昇偉	漁業推廣
2011-7	期刊論文	Analyses of electromagnetic vibration-based generators fabricated with LTCC 3 multilayer and silver spring-inducer	W.L. Lu, Y.M. Hwang*, C.T. Pan, S.C. Shen	Microelectronics Reliability
2010-12	期刊論文	Design and Fabrication of a High-Power Eyeball-like Microactuator Using a Symmetric Piezoelectric Pusher Element	S. C. Shen*, J. C. Huang	Journal of Microelectromechanical systems
2010-11	期刊論文	A new calibration method for low cost MEMS inertial sensor module	S. C. Shen*, C. J. Chen, and H. J. Huang	Journal of Marine Science and Technology
2010-6	期刊論文	燈火漁業漁船改裝LED燈具對漁獲量之效果分析	方銘川、沈聖智、莊昇偉	台灣水產雙月刊
2010-4	期刊論文	Self-adaptive heat spreader with a micromesh using LIGA-like technology for AUV LED headlight	S. C. Shen*, H. J. Huang, J. C. Hsieh, H. J. Shaw	Applied Ocean Research
2010-1	期刊論文	A New Cymbal-shaped High Power Microactuator for Nebulizer Application	S.C.Shen	Microelectronic Engineering
2009-9	期刊論文	多軸度微型致動器於人造眼球之應用	黃俊成、沈聖智、陳易呈、李健	機械工業雜誌
2009-2	期刊論文	Manufacture of integrated 3-D Structure Nozzle Plate using Micro-injection molding for 1200dpi Inkjet Printhead	S.C. Shen, Min-Wen Wang, Chung-Jui Lee	Journal of Microelectromechanical systems
2009---	期刊論文	Fabrication of Eyeball-like Spherical Micro-lens Array using Extrusion for Optical Fiber Coupling	S.C.Shen, C.T. Pan, C. H. Chao, J. C. Huang	Journal of Micromechanics and Microengineering
2009---	期刊論文	Rapid fabrication of a micro-ball lens array by extrusion for optical fiber applications	S. C. Shen, J. C. Huang	Optics Express
2009---	期刊論文	Simulation and analysis of electromagnetic in-plane micro-generator	C. T. Pan, Y. J. Chen, S. C. Shen	Journal of Micro/Nanolithography, MEMS, and MOEMS

2009---	期刊論文	Study of multi-step x-ray exposures to fabricate microstructure	C. T. Pan, T. T. Wu, S.C. Shen, M. C. Chou, and T. C. Wu	Sensors and Actuators A: Physical
2008-12	期刊論文	MEMS-Based 微慣性導航系顧水下載具之應用	沈聖智、陳永裕、陳家榮	海洋及水下科技
2008-1	期刊論文	Design and fabrication of medical micro-nebulizer	沈聖智	Sensors and Actuators A
2008---	期刊論文	Fabrication Micro-Nozzle Plates for Inkjet Print Head Using LIGA Process	沈聖智	Materials Science Forum
2008---	期刊論文	Fabrication of 3-D Submicron Glass Structures by FIB	沈聖智	Journal of Materials Engineering and Performance
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2008---	期刊論文	Study of interface mechanical properties between thin-film Au and polymethyl methacrylate	C.T. Pan, S.C.Shen, S.C. Lin	Journal of Micro/Nanolithography, MEMS, and MOEMS
2007-8	期刊論文	LIGA-like 微細成型技術於1200dpi 微型噴片之應用	李聰瑞、陳易呈、沈聖智、王郁仁、林昌瑋、謝淑品	機械月刊
2007---	期刊論文	Fabrication of an integrated piezo-electric micro-nebulizer for biochemical sample analysis	沈聖智	Journal of Micromechanics and Microengineering
2006-12	期刊論文	微型慣性導航系統	沈聖智、陳永裕、張祥傑、余仁淵、王士豪	機械工業雜誌
2006---	期刊論文	Applications of LIGA on Micro-punching Process for Metallic Materials	沈聖智	Materials Science Forum
2006-	期刊論文	n-Plane Microgenerator with High Energy Product Magnet	P. J. Cheng, S. C. Shen, C. T. Pan, C. C. Hsieh	Journal of the Chinese Society of Mechanical Engineers
2005-8	期刊論文	微機電技術應用於吸入式霧化器之研發	沈聖智、王郁仁、吳泰鋒、陳易呈、李聰瑞	機械工業雜誌
2005---	期刊論文	Fabrication of Integrated Nozzle Plates for Inkjet Print Head Using Microinjection Process	沈聖智	Sensors & Actuators A
2005---	期刊論文	Magnetically-Actuated Bi-directional Microactuators with Permalloy and Fe /Pt Hard Magnet	沈聖智	Journal of Magnetism and Magnetic Materials
2005-	期刊論文	A Novel Method to Fabricate Gapless Hexagonal Micro-lens Array	M. C. Chou, C. T. Pan*, S. C. Shen, M. F. Chen, S. T. Wu	Sensors and Actuators A:
2005-	期刊論文	Integrated electromagnetic microactuators with a large driving force	C. T. Pan, H. Yang, M. C. Chou, S. C. Shen,	Microsystem Technologies
2004---	期刊論文	Micro-ball lens array modeling and fabrication using thermal reflow in two polymer layers	沈聖智	Journal of Micromechanics and Microengineering
2004---	期刊論文	Optical switch with auto-aligning fibers and latching micro-mirrors	沈聖智	Microsystem Technologies
2004-	期刊論文	Design and Fabrication of Polymeric Micro-optical Components Using Excimer Laser Ablation	C. T. Pan, S. C. Shen	Materials Science and Technology
2004-	期刊論文	Efficient Coupling of Electrostatic Optical Fiber Switch	C. T. Pan*, S. C. Shen, H.Yang	Sensors and Materials
2004-	期刊論文	Magnetically-actuated bending-mode microactuators with excimer laser ablation	C. T. Pan*, S. C. Shen, C.C.Hsieh	Plastics, Rubbers and Composites
2004-	期刊論文	Numerical method to predict and fabricate aspherical microlens arrays using 248-nm excimer laser ablation	C. T. Pan, S. C. Shen, C. C Hsieh	Journal of Microlithography microfabrication and Microsystems
2002---	期刊論文	A low-temperature wafer bonding technique using patternable materials	沈聖智	Journal of Micromechanics and Microengineering
2002---	期刊論文	Electromagnetic Optical Switch for Optical Network Communication	沈聖智	Journal of Magnetism and Magnetic Materials
2001-8	期刊論文	Excimer Laser 輔助選擇性銅無電鍍應用於MEMS領域	潘正堂、林坤龍、趙佑錫、沈聖智	機械工業雜誌
2001-8	期刊論文	準分子雷射輔助選擇性銅無電鍍應用於微機電領域	潘正堂、林坤龍、趙佑錫、沈聖智	機械工業雜誌
2001-6	期刊論文	晶圓局部接合技術應用於微機電系統之研究	沈聖智、潘正堂、周懷樸、周敏傑	科儀新知
2001---	期刊論文	Batch assembly micro ball lens array for Si-based optical coupling platform in free space	沈聖智	Optical Review
2000-8	期刊論文	奈米加工技術於光通訊被動元件之製造設計	黃珩春、楊詔中、沈聖智	機械工業雜誌
2000-8	期刊論文	準分子雷射加工聚亞醯胺製作擺動式微致動器	林育生、潘正堂、陳世洲、楊詔中、沈聖智	機械工業雜誌