

出版日期	著作類別	期刊論文名稱	作者	收錄出處
2019-1	期刊論文	Performance enhancement of a plate methanol steam reformer by ribs installed in the reformer channel	Shiang-Wuu Perng, Tsai-Chieh Chien, Rong-Fang Horng, Horng-Wen Wu	(MOST 105-2622-E-168-006-CC3 Energy
2019-1	期刊論文	Hydrogen-rich syngas production by reforming of ethanol blended with aqueous urea using a thermodynamic analysis	Horng-Wen Wu*, Ke-Wei Lin	Energy
2019-1	期刊論文	Thermodynamic Analysis and Experimental Study of Partial Oxidation Reforming of Biodiesel and Hydrotreated Vegetable Oil for Hydrogen-rich Syngas Production	Ke-Wei Lin#, Horng-Wen Wu*	Fuel
2018-12	期刊論文	Effect of depth and diameter of cylindrical cavity in a plate-type methanol steam reformer on estimated net power of PEMFC	Shiang-Wuu Perng, Horng-Wen Wu*	Energy Conversion and Management
2018-9	期刊論文	Hydrogen-rich syngas production of urea blended with biobutanol by a thermodynamic analysis International Journal of Hydrogen Energy	Ke-Wei Lin, Horng-Wen Wu*	International Journal of Hydrogen Energy
2018-9	期刊論文	Reduction of smoke, PM2.5, and NOX of a diesel engine integrated with methanol steam reformer recovering waste heat and cooled EGR	Horng-Wen Wu*, Tzu-Ting Hsu, Chen-Ming Fan#, Po-Hsien He	Energy Conversion and Management
2018-6	期刊論文	Effect of operational parameters on transport and performance of a PEM fuel cell with the best protrusive gas diffusion layer arrangement	Horng-Wen Wu*, Gin-Jang Shih, Yi-Bin Chen	Applied Energy
2018-4	期刊論文	Thermodynamic analysis of hydrogen-rich syngas production with a mixture of aqueous urea and biodiesel	Horng-Wen Wu and Ke-Wei Lin	International Journal of Hydrogen Energy
2018-2	期刊論文	Dual Fuel Turbocharged Engine Operated with Exhaust Gas Recirculation	Horng-Wen Wu*, Tzu-Ting Hsu, Wei-Hsiang Lai	Journal of Mechanics
2018-2	期刊論文	Effect of two-body and three-body microcontact under dry friction on contact characteristics	Horng-Wen Wu*, Yang-Yuan Chen	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science
2017-12	期刊論文	Optimal factors estimation for diesel/methanol engines changing methanol injection timing and inlet air temperature	Horng-Wen Wu, Chen-Ming Fan, Jian-Yi He, Tzu-Ting Hsu	Energy
2017-11	期刊論文	Effect of diffuser on performance enhancement of a cylindrical methanol steam reformer by computational fluid dynamic analysis	Shiang-Wuu Perng, Rong-Fang Horng, Horng-Wen Wu	Applied Energy
2017-11	期刊論文	Optimum parameter design for performance of methanol steam reformer combining Taguchi method with artificial neural network and genetic algorithm	Kwan Ouyang, Horng-Wen Wu*, Shun-Chieh Huang, Sheng-Ju Wu	Energy
2017-10	期刊論文	The Analysis of Three-Body Contact Temperature under the Different Third Particle Size, Density and Value of Friction	Horng-Wen Wu, Yang-Yuan Chen, Jeng-Haur Horng	Micromachines
2017-9	期刊論文	Optimal performance and emissions of diesel/hydrogen-rich gas engine varying intake air temperature and EGR ratio	Horng-Wen Wu, Tzu-Ting Hsu, Jian-Yi He, Chen-Ming Fan	Applied Thermal Engineering
2017-5	期刊論文	Effect of rectangular ribs in the flow channels of HTPEM fuel cell by a three-dimensional model	Horng-Wen Wu, Duo-Yao Kang, Shiang-Wuu Perng	Energy Procedia
2017-3	期刊論文	Heat transfer enhancement of vertical dimpled fin array in natural convection	Shyy-Woei Chang, Horng-Wen Wu, Da-Yu. Guo, Jun-jie Shi, Tang-Hong Chen	International Journal of Heat and Mass Transfer
2016-12	期刊論文	Effect of two-body and three-body microcontact under dry friction on contact characteristics	Horng-Wen Wu*, Yang-Yuan Chen	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016 December.
2016-3	期刊論文	A Review of Recent Development: Transport and Performance Modeling of PEM Fuel Cells	Horng Wen Wu	Applied Energy
2016-3	期刊論文	Heat transfer with natural convection of varying viscosity fluids inside porous media between vertically eccentric annuli	Horng Wen Wu, I-Hsuan Lin and Ming-Lin Cheng	International Journal of Heat and Mass Transfer
2015-8	期刊論文	Effect of prominent gas diffusion layer (GDL) on non-isothermal transport characteristics and cell performance of a proton exchange membrane fuel cell (PEMFC)	Shiang-Wuu Perng, Horng-Wen Wu*, Gin-Jang Shih	Energy
2015-7	期刊論文	Natural Convection Heat Transfer between Concentric Spheres for Variable Viscosity Fluids in a Porous Medium	Huann-Ming Chou, Horng Wen Wu*, I-Hsuan Lin and Wei-Jen Yang	Numerical Heat Transfer, Part A
2015-5	期刊論文	Contact temperature under three-body dry friction conditions	Horng-Wen Wu, Yang-Yuan Chen#, Jeng-Haur Horng	Wear
2015-4	期刊論文	A three-dimensional numerical investigation of trapezoid baffles effect on non-isothermal reactant transport and cell net power in a PEMFC	Shiang-Wuu Perng, Horng-Wen Wu*	Applied Energy
2014-5	期刊論文	Heat transfer augmentation and vortex-induced vibration in a block-heated channel	Shiang-Wuu Perng, Horng-Wen Wu*, and Tswen-Chyuan Jue	International Journal of Thermal Sciences
2014-4	期刊論文	Effect of modified flow field on non-isothermal transport characteristics and cell performance of a PEMFC	Shiang-Wuu Perng, Horng-Wen Wu*, and Ren-Hung Wang	Energy Conversion and Management
2014-1	期刊論文	Applying Taguchi method to combustion characteristics and optimal factors determination in diesel/biodiesel engines with port-injecting LPG	Zhan-Yi Wu, Horng-Wen Wu* and Cheng-Han Hung	Fuel

2014-1	期刊論文	Influence of port-inducted ethanol or gasoline on combustion and emission of a closed cycle diesel engine	Hornng-Wen Wu* and Ren-Hung Wang, Ying-Chuan Chen, Dung-Je Ou, and Teng-Yu Chen	Energy
2013-6	期刊論文	Influence of Various Rib Installations on Turbulent Mixed Convection in Reciprocating Ribbed Channels)	Shiang-Wuu Perng and Hornng-Wen Wu*	accepted by Journal of Enhancement Heat Transfer, 2012. (NSC: 98-2622 – E -168-011-CC3) (SCI, EI
2013-6	期刊論文	Influences of operational factors on PEMFC performance with modified interdigitated flow field design, revised for Journal of Power Sources, 2012.	Hui-Wen Gu and Hornng-Wen Wu*	Journal of Power Sources
2013-4	期刊論文	Using Taguchi method on combustion performance of a diesel engine with diesel/biodiesel blend and port-inducting H2	Hornng-Wen Wu* and Zhan-Yi Wu	Applied Energy
2012-11	期刊論文	Combustion characteristics and optimal factors determination with Taguchi method for diesel engines port-injecting hydrogen	Hornng-Wen Wu* and Zhan-Yi Wu	Energy
2012-6	期刊論文	Investigation on combustion characteristics and emissions of diesel/hydrogen mixtures by using energy-share method in a diesel engine	Hornng-Wen Wu* and Zhan-Yi Wu	Applied Thermal Engineering
2012-5	期刊論文	Numerical investigation of heat transfer enhancement on a porous vortex-generator applied to a block-heated channel	Shiang-Wuu Perng, Hornng-Wen Wu*, and Tswen-Chyuan Jue	International Journal of Heat and Mass Transfer
2012-1	期刊論文	Effects of Modified Flow Field on Optimal Parameters Estimation and Cell Performance of a proton exchange membrane Fuel Cell with the Taguchi Method	Hornng-Wen Wu* and Hui-Wen Gu	International Journal of Hydrogen Energy
2011-10	期刊論文	Reduction of smoke and nitrogen oxides of a partial HCCI engine using premixed gasoline and ethanol with air	Hornng-Wen Wu*, Ren-Hung Wang, Dung-Je Ou, Ying-Chuan Chen, Teng-yu	Applied Energy
2011-10	期刊論文	The optimal parameters estimation for rectangular cylinders installed transversely in the flow channel of PEMFC from a three dimensional PEMFC model and the Taguchi method	Hornng-Wen Wu, Hui-Wen Ku	Applied Energy
2011-10	期刊論文	Unsteady Convection Heat Transfer for a Porous Square Cylinder Varying Cylinder-to-Channel Height Ratio	Shiang-Wuu Perng, Hornng-Wen Wu*, Ren-Hung Wang#, and Tswen-Chyuan	International Journal of Thermal Sciences
2011-2	期刊論文	Mixed Convective Heat Transfer past a Heated Square Porous Cylinder in a Horizontal Channel with Varying Channel Height	Hornng-Wen Wu* and Ren-Hung Wang#	Journal of Heat Transfer, ASME Transaction
2011-1	期刊論文	Non-isothermal transport phenomenon and cell performance of a cathodic PEM fuel cell with a baffle plate in a tapered channel	Shiang-Wuu Perng and Hornng-Wen Wu*	Applied Energy
2011-	期刊論文	Study of Contact Temperature in Polishing Surfaces	Jeng-Haur Hornng, Yang-Yuan Chen#, Hornng-Wen Wu, Chin-Chung Wei, Shin- 大端文、楊佳穎、吳展易、古慧雯、邱冠銘、曾士彥	Advanced Materials Research
2010-8	期刊論文	帶纜水下遙控載具(ROV)之電力、訊號傳輸技術研發	大端文、楊佳穎、吳展易、古慧雯、邱冠銘、曾士彥	中國造船暨輪機工程學刊
2010-6	期刊論文	Analysis of Operating Parameters Considering Flow Orientation in PEMFC Performance Using the Taguchi Method	Hornng-Wen Wu* and Hui-Wen Gu	Journal of Power Sources
2010-4	期刊論文	Convective Heat Transfer over a Heated Square Porous Cylinder in a Channel	Hornng-Wen Wu* and Ren-Hung Wang	International Journal of Heat and Mass Transfer
2010---	期刊論文	研發機艙整合型熱交換器提高漁船管理效能	吳鴻文*、楊佳穎#、吳展易#、古慧雯#、邱冠銘#、曾士彥#	船舶科技
2010-	期刊論文	運轉中積碳清洗對漁船引擎之燃燒性能及排氣污染效應	大端文、楊佳穎、吳展易、古慧雯、邱冠銘、曾士彥	中國造船暨輪機工程學刊
2009-12	期刊論文	Heat Transfer in a PEMFC Flow Channel	Shiang-Wuu Perng and Hornng-Wen Wu*	Applied Thermal Engineering
2009-9	期刊論文	Numerical predictions of a PEM Fuel Cell Performance Enhancement by a Rectangular Cylinder Installed Transversely in the Flow Channel	Shiang-Wuu Perng, Hornng-Wen Wu*, and Tswen-Chyuan Jue, Kuo-Chih	Applied Energy
2009-4	期刊論文	Combustion characteristics of a closed cycle diesel engine with different intake gas contents	Hornng-Wen Wu*, Zhan-Yi Wu, Jia-Ying Yang, Ren-Hung Wang, and Wen-Hui	Applied Thermal Engineering
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2006-9	期刊論文	Effects of Operating Parameters on Steady and Transient Behaviors of a Closed Cycle Diesel Engine	Hornng-Wen Wu, * and Chin-Tsung Shu	Energy Conversion and Management
2006-	期刊論文	Transient Mixed Convective Heat Transfer Predictions around Three Heated Cylinders in a Horizontal Channel	Hornng-Wen Wu*, Shiang Wuu Perng, Shang-Yuan Hung*, and Twen-Chyuan	International Journal of Numerical Methods for Heat and Fluid Flow
2006-	期刊論文	Transient Mixed Convective Heat Transfer Predictions around Three Heated Cylinders in a Horizontal Channel	Hornng-Wen Wu*, Shiang Wuu Perng, Shang-Yuan Hung*, and Twen-Chyuan	International Journal of Numerical Methods for Heat & Fluid Flow
2005-11	期刊論文	國際最新柴油車用油品成分管制重點及規範內容使用於我國油品管制法規之可行性評估	吳鴻文	行政院環保署/國科會空屋防制科研合作計畫
2005---	期刊論文	各型漁船經濟噸位 (含主副機馬力配置) 之研究	吳鴻文*、黃正清、吳展易#	船舶科技

2005-	期刊論文	Turbulent Flow and Heat Transfer Enhancement of Mixed Convection over Heated Blocks in a Channel	Hornng-Wen Wu* and Shiang Wuu Perng#	International Journal of Numerical Methods for Heat & Fluid Flow
2005-	期刊論文	Turbulent flow and heat transfer enhancement of mixed convection over heated blocks in a channel	Hornng-Wen Wu* and Shiang Wuu Perng	Numerical Methods for Heat & Fluid Flow
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2004-	期刊論文	Numerical analysis of thermal flow in the bowl-in-piston combustion chamber of a motored engine	Hornng-Wen Wu, Shiang-Wuu Perng	International Journal of Thermal Sciences
2004-	期刊論文	Transient natural convection heat transfer of fluids with variable viscosity between concentric and varically eccentric spheres	Hornng-Wen Wu, Wen Ching Tsai, Huann-Ming Chou	International Journal of Heat and Mass Transfer
2004-	期刊論文	Turbulent flow field and heat transfer in a heated circular channel under a reciprocating motion	Hornng-Wen Wu, Ruoh-Fei Lay, Chin-Teck Lau, Wen-Jing Wu	Heat and Mass Transfer
2003---	期刊論文	漁船安裝最適主機及輔機之研究。	吳鴻文*、王仁宏、楊佳穎	
2002---	期刊論文	使用柴油摻配甲酯於柴油引擎各種噴油條件之排氣污染研究	吳鴻文, 哈冀連, 劉乃禎, 楊佳穎	中國造船暨輪機工程學刊
2002-	期刊論文	LES Analysis of Turbulent Flow and Heat Transfer in Motored Engines with Various SGS Models	Hornng-Wen Wu* and Shiang Wuu Perng	International Journal of Heat and Mass Transfer
2001-	期刊論文	Analysis/Finite-Difference Combined Solution of Boundary Value Problem of Heat Conduction in Finite Domains with Planar-Discrete	Hornng-Wen Wu*, G.F. Chiou and H.M. Chou	Sources Communications in Numerical Methods in Engineering
2001-	期刊論文	Heat Transfer Predictions around Three Heated Cylinders between two Parallel Plates	Twen-Chyuan Jue, Hornng-Wen Wu* and Shang-Yuan Hung	Plates Numerical Heat Transfer, Part A: Application
2001-	期刊論文	Squish effect of piston crown on the turbulent heat transfer in reciprocating engine	Hornng-Wen Wu* and Shiang Wuu Perng	International Journal of Numerical Methods for HEAT
2000-5	期刊論文	“水下空氣獨立發電系統的沿革與發展	吳鴻文*, 許志聰	船
1999---	期刊論文	預燃式柴油引擎燃燒室內一氧化碳濃度之預測與分析	吳鴻文*、彭達良、劉乃禎	中國造船暨輪機工程學刊
1999-	期刊論文	Effect of an Oblique Plate on the Heat Transfer Enhancement of Mixed Convection over Heated Blocks in a Horizontal Channel	Hornng-Wen Wu* and Shiang Wuu Perng	International Journal of Heat and Mass Transfer
1999-	期刊論文	Enhancement Heat Transfer of Mixed Convection for Heated Blocks Using Vortex Shedding Generated by an Oblique Plate in a Horizontal Channel	Hornng-Wen Wu* and Shiang Wuu Perng	Acta Mechanica
1998---	期刊論文	噴油參數對預燃式柴油引擎排氣污染之效應研究	吳鴻文*、羅炯隆、劉乃禎	中國造船暨輪機工程學刊
1998-	期刊論文	Heat Transfer Augmentation of Mixed Convection Through Vortex Shedding from an Inclined Plate in a Vertical Channel Containing Heated Blocks	Hornng-Wen Wu* and Shiang-Wuu Perng	Numerical Heat Transfer Journal, Part A: Application
1998-	期刊論文	The Effective Installation of an Inclined Plate for the Enhancement of Forced Convection over Rectangular Sources	Hornng-Wen Wu*, Shyh-Wei Wang, and Shiang Wuu Perng	Heat and Mass Transfer
1997-	期刊論文	Effect of Heated Underwater Boundary Layer of a Prolate Spheroid on Viscous Drag	H.W.Wu* and H.C.Shiue	Experiments in Fluids
1997-	期刊論文	Heat Release Analysis in an Indirect Injection Diesel Engine with Coupled Fuel Injection/ Combustion Model	Hornng-Wen Wu* and Jiunn-Der Sy	Journal of Society of Naval Architects and Marine Engineers
1996-1	期刊論文	Combustion Characteristics and Cycle Variation in a Marine Engine with A- Class/B-Class Oil Blended Fuel	H.W.Wu* and J.T.Leu	Journal of Society of Naval Architects and Marine
1996-	期刊論文	Analysis/Finite- Element Combined Methodology on Transient Heat Conduction of a Finite Domain with Planar-Discrete Sources	Hornng-Wen Wu* and Jer-Jan Juang	Numerical Heat Transfer, Part B Fundamentals
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1995-	期刊論文	On Temperature Prediction of Multiple-Chip Packages by a Combined Analysis-Finite Element Method	Hornng-Wen Wu* and Ming-Che Liu	Heat and Mass Transfer
1994-6	期刊論文	Analysis/Finite-Element Combined Methodology on Temperature Distribution of a Finite Domain with Various Sources	Hornng-Wen Wu* and Sheng-Hwa Shii	Numerical Heat Transfer, PartB: Fundamentals,
1994-6	期刊論文	漁船引擎供油切換、摻配、加熱及廢熱回收之監控動化研究	吳鴻文*、斯俊德	船舶科技民國83年。
1994---	期刊論文	主機離合器、調速器及操舵組合系統之監控自動化研究	吳鴻文*、薛宏奇#、彭達良	船舶科技
1991---	期刊論文	個人電腦應用於船用引擎燃燒系統之資料收集及分析研究	吳鴻文*、劉明哲	中國造船暨輪機工程學刊
1991---	期刊論文	船用引擎燃燒系統之診斷分析研究	吳鴻文*, 劉明哲	船舶科技
1991---	期刊論文	船用鍋爐爐膛設計研究	邱煜彬、吳志陽、吳鴻文、何明欽、沈孟厚	中船季刊