|  |  |
| --- | --- |
| [1] | B Zohuri "Compact heat exchanger " 2017 - researchgate.net/ |
| [2] | Yao Li, Jing Xuan Qu, Yingying Shen, Pei Hong Zhang and Hongyin Jia “CFD-based structure optimization of plate bundle in plate-fin heat exchanger considering flow and heat transfer performance ”[International Journal of Chemical Reactor Engineering](https://www.researchgate.net/journal/International-Journal-of-Chemical-Reactor-Engineering-1542-6580?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uIiwicGFnZSI6InB1YmxpY2F0aW9uIn19) , Int. J. Chem. React. Eng. 2021; 19(5): 499–513 |
| [3] | The standard Of The Brazed Aluminium Plate-Fin Heat Ecxchanger Manufacturers 'Association',Alpema,2000 |
| [4] | G. L. Manfred Hafner, The Palgrave Handbook of Internation Energy Economics, Cham: Springer Nature, 2022. |
| [5] | Handbook of Heat Transfer by Warren M. Rohsenow, James P. Hartnett, and Young I. Cho (2018). |
| [6] | Hang Xiao, Paola Cannella, “Quantification of Model Uncertainty in RANS Simulations: A Review” [Volume 108](https://www.sciencedirect.com/journal/progress-in-aerospace-sciences/vol/108/suppl/C), July 2019, Pages 1-31 |
| [7] | Won-Seak Kim, Pham Troung Thang , Beam-Keun Kim,"CFD simulation of plate-fin cross-counter flow compact heat exchanger”, Journal of Mechanical Science and Technology , volume 38 , pages 696-678, (2024) |
| [8] | Marzena lwaniszyn, Mateusz Korpys, Computational Fluid Dynamics Modelling of Fluid Flow and Heat and Mass Transfer, closed (30 September 2022) | Viewed by 7912 |
| [9] | Kumar, R., & Patel, S. (2023). Nanoparticle-Based Fluids for Heat Transfer Enhancement: Experimental and Numerical Studies. Applied Thermal Engineering, 211, 118571 |
| [10] | Shengchen Li, Zixin Deng, Jian Liu, Defu Liu “Multi-Objective Optimization of Plate-Fin Heat Exchangers via Non-Dominated Sequencing Genetic Algorithm (NSGA-II)” Appl. Sci. 2022, 12(22), 11792;<https://doi.org/10.3390/app122211792> |
| [11] | Ying Guan, Liquan Wang and Hongjiang Cui “Optimization Analysis of Thermodynamic Characteristics of Serrated Plate-Fin Heat Exchanger \” School of Locomotive and Rolling Stock Engineering, Dalian Jiaotong University, Dalian 116028, China, Sensors 2023, 23(8), 4158; <https://doi.org/10.3390/s23084158> |
| [12] | Bashir S. Mekki∗, Joshua Langer, Stephen Lynch “Genetic algorithm based topology optimization of heat exchanger fins used in aerospace applications “International Journal of Heat and Mass Transfer, [Volume 170](https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer/vol/170/suppl/C), May 2021, 121002 |
| [13] | Kim, M.; Ha, M.Y.; Min, J.K. “A numerical study on the aero-thermal performance of a slanted-pin-fin cooler under a high-speed-bypass condition”. Int. J. Heat Mass Transf. 2018, 119, 791–812. |
| [14] | Gunantara, N. A review of multi-objective optimization: Methods and its applications. Cogent Eng. 2018, 5, 1502242. [CrossRef] |
| [15] | Ning, J.; Wang, X.; Sun, Y.; Zheng, C.; Zhang, S.; Zhao, X.; Liu, C.; Yan, W. Experimental and numerical investigation of additively manufactured novel compact plate-fin heat exchanger. Int. J. Heat Mass Transf. 2022, 190, 122818. |
| [16] | Raj M. Manglik and Arthur E. Burgles, "Heat Transfer and Pressure Drop Correlations for the Rectangular Offset Strip Fin Compact Heat Exchangers," Experimental Thermal and Fluid Science, vol. 10, pp. 171-180, 1995. |
| [17] | Rui Song, Menemeng Cui and Jianjun Liu, "A correlation for heat transfer and flow friction characteristics of the offset strip fin heat exchanger," *International Journal of Heat and Mass Transfer,* vol. 115, pp. 695-705, 2017. |
| [18] | Naef A.A. Qasem and Syed M. Zubair, "Generalized air-side friction and heat transfer correlations for wavy-fin compact heat exchangers," International Journal of Refrigeration, 2018. |
| [19] | H. H. Y. X. Y. C. Jianrui Li, "Two-phase flow boiling characteristics in plate-fin channels at offhsore conditions," *Applied Thermal Engineering,* vol. 187, 2021. |
| [20] | J. L. Haitao Hu, "Experimental investigation on heat transfer characteristics of two-phase flow boiling in offset strip fin channels of plate-fin heat exchangers," *Applied Thermal Engineering,* vol. 185, 2021. |
| [21] | H. H. Y. X. Y. C. Jianrui Li, "Two-phase flow boiling characteristics in plate-fin channels at offhsore conditions," Applied Thermal Engineering, vol. 187, 2021. |
| [22] | H. Hajabdollahi, "Multi-objective optimization of plate fin heat exchanger using constructal theory," *International Communications in Heat and Mass Transfer,* vol. 108, 2019. |
| [23] | J. W. S. W. Y. L. Huizhu Yang, "Thermal design and optimization of plate-fin heat exchangers based global sensitivity anlaysis and NSGA-II," *Applied Thermal Engineering,* 2018. |
| [24] | M. C. Rui Song, "Single- and multi-objective optimization of a plate-fin heat exchanger with offset strip fins adopting the genetic algorithm," *Applied Thermal Engineering,* 2019. |
| [25] | R. S. Mengmeng Cui, "COMPREHENSIVE PERFORMANCE INVESTIGATION AND OPTIMIZATION OF A PLATE FIN HEAT EXCHANGER WITH WAVY FINS," *Thermal Science,* vol. 26, no. 3A, pp. 2261-2273, 2022. | |
| [26] | Evaldas Greiciunas, Duncan Borman, Jonathan Summers, Steve J. Smith " A multi-scale conjugate heat transfer modelling approach for corrugated heat exchangers" [International Journal of Heat and Mass Transfer](https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer)*,* [Volume 139](https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer/vol/139/suppl/C), August 2019, Pages 928-937 |
| [27] | Carlos Augusto Richter do Nascimento,Viviana Cacco Mariani,Leandro dos Santos Coelho, " Integrative numerical modeling and thermodynamic optimal design of counter-flow plate-fin heat exchanger applying neural networks" [International Journal of Heat and Mass Transfer](https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer) , [Volume 159](https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer/vol/159/suppl/C), October 2020, 120097 |
| [28] | Mario Patrovic , Kenichiro Fukui , Kenichi Kominami "Numerical and experimental performance investigation of a heat exchanger designed using topologically optimized fins"[Applied Thermal Engineering](https://www.sciencedirect.com/journal/applied-thermal-engineering), [Volume 218](https://www.sciencedirect.com/journal/applied-thermal-engineering/vol/218/suppl/C), 5 January 2023, 119232 |
| [29] | Chao Yu , Wenbao Zhang , Mingzhen Shao , Guangyi Wang , Mian Huang"CFD modeling and optimal design of louvered fins heat exchangers using radical basis function"[Case Studies in Thermal Engineering](https://www.sciencedirect.com/journal/case-studies-in-thermal-engineering), [Volume 60](https://www.sciencedirect.com/journal/case-studies-in-thermal-engineering/vol/60/suppl/C), August 2024, 104832 |
| [30] | Sung-Hoon Seol,Yeong-Hyeon Joo,Joon-Ho Lee,Seung-Yun Cha,Jung-In Yoon ,Chang-Hyo Son"Effect of Pump Performance Curves and Geometric Characteristics of Offset Fins on Heat Exchanger Design Optimization" Energies 2024, 17, 4598.https://doi.org/10.3390/en17184598 |
|  |  |
| [31] | H. L. A. P. Sadik Kakac, Heat Exchnangers; Selection, Rating, and Thermal Design, Boca Raton: CRC Press, 2012. |
| [32] | R. Niroomand, M.H. Saidi and S.K. Hannani , "A general multi-scale modeling framework for two-phase simulation of multi-stream plate-fin heat exchangers," *International Journal of Heat and Mass Transfer,* vol. 156, 2020. |
| [33] | *THE STANDARDS OF THE BRAZED ALUMINIUM PLATE-FIN HEAT EXCHANGER MANUFACTURERS’ ASSOCIATION,* Alpema, 2000. |
| [34] | Arne Muller , Anja -Elsa Polzin and stephan Kabelac "Multi-stream Plate-and-Frame Heat Exchangers for Condensation and Evaporation" Innovative Heat Exchangers, 31 December 2017 , Pages 167-187 |
|  |  |
| [35] | B. T. D. W. B. D. H. G. F. T. B. E. A. G. A. R. e. a. Linnhoff, *A User Guide on Process Integration for the Efficient Use of Energy,* UK: IChemE, 1994. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |
| [39] | J. H. Holland, Adaptation in natural and artificial systems, Michigan: The MIT Press, 1975. |