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احمد عبدالرضا ياسين شاطي الوائلي

Assistant Professor

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EDUCATION

(28-10-2015) دكتوراه

Thermal Engineering

Glasgow University

(25-07-1993) بكلوريوس

General

Nahrain

(19-02-1996) ماجستير

gas turbine

Nahrain

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	9
Citations (Scopus)	0
Citations (GS)	382
Documents (Scopus)	0
Documents (GS)	22

ACADEMIC TITLES

2024-03-06 Assistant Professor

PUBLICATIONS (22)

1. Experimental and numerical evaluations of geometry and structure effects on passive cooling efficiency in metal foam finned heat sinks
International Journal of Heat and Fluid Flow 119, 110300, 2026 | 2026 | Cited: 2

2. Optimization of Heat Transfer in a Circular Cavity With and Without a Cold Cylindrical Insert
Heat Transfer, 2026 | 2026 | Cited: 1

3. Experimental and Numerical Investigation of the Effect of Interrupted, Inclined, and Staggered Rectangular‐Fin Arrays on Heat Sink Performance
Heat Transfer 55 (1), 713-728, 2026 | 2026 | Cited: 6

4. Improving Thermal Performance in Building Heating, Ventilation, and Air Conditioning Systems: A Study of Natural Convection and Entropy in Plus‐Shaped Cavity
Heat Transfer 54 (3), 2235-2250, 2025 | 2025 | Cited: 27

5. Exploring heat transfer and entropy generation in a dual cavity system
Heat Transfer 54 (3), 2279-2292, 2025 | 2025 | Cited: 23

6. Entropy generation associated with natural convection within a triangular porous cavity containing equidistant cold domains
Frontiers in Energy Research 12, 1422256, 2024 | 2024 | Cited: 12

7. Unveiling the dynamics of entropy generation in enclosures: a systematic review
International Journal of Thermofluids 21, 100568, 2024 | 2024 | Cited: 44

8. Entropy generation analysis of natural convection flow in porous diamond-shaped cavity
International Journal of Thermofluids 23, 100801, 2024 | 2024 | Cited: 22

9. Numerical Investigation of the Impact of Subcooling Inlet on Water Flow Boiling Heat Transfer Through a Microchannel
Wasit Journal of Engineering Sciences 12 (2), 92-109, 2024 | 2024 | Cited: 3

10. Combined effect of multi‐injection scheme, injector nozzle bore, and biodiesel blends on combustion and performance characteristics of diesel engine
Heat Transfer 52 (4), 3168-3186, 2023 | 2023 | Cited: 3

11. Heat transfer in cavities: configurative systematic review
Energies 16 (5), 2338, 2023 | 2023 | Cited: 72

12. Flow Instability of a Liquid Through a Small-Scale Channel During a Flow Evaporation
Wasit Journal of Engineering Sciences 10 (2), 169-184, 2022 | 2022

13. Evaluate the hemodynamic factors' effects on stenosed arteries with the Carreau model
2022

14. Evaluation of Turbulence and Non-Newtonian Blood Rheology Models Through An FDA Nozzle
2021 International Conference on Advance of Sustainable Engineering and its ..., 2021 | 2021 | Cited: 3

15. Thermocouple heating impact on the temperature measurement of small volume of water in a cooling system
Applied Thermal Engineering 127, 650-661, 2017 | 2017 | Cited: 4

16. THE EFFECT OF FIN'S HEIGHT AND CIRCULAR PERFORATED ON THE NATURAL CONVECTION OF THE VERTICAL RECTANGULAR FINS
Al-Qadisiyah Journal for Engineering Sciences 10 (4), 565-573, 2017 | 2017

17. **The influence of chilled water on the performance of direct evaporative cooling**
Energy and Buildings 155, 143-150, 2017 | 2017 | Cited: 57

18. **Liquid cooling of non-uniform heat flux of a chip circuit by subchannels**
Applied Thermal Engineering 115, 558-574, 2017 | 2017 | Cited: 59

19. **The effect of heat transfer on temperature measurement and it's applications to study microchannel heat sinks**
University of Glasgow, 2015 | 2015 | Cited: 7

20. **Effects of thermocouple electrical insulation on the measurement of surface temperature**
Applied Thermal Engineering 89, 421-431, 2015 | 2015 | Cited: 39

21. **Liquid cooling of non-uniform heat flux of chip circuit by submicrochannels**
2014 | Cited: 1

22. **Effect of thermocouple electrical insulation on surface temperature measurement**
2013 | Cited: 1