

Alaa Ruhma Kazim Al-Badri

علاء رحمه كاظم حرس البدري

CONTACT

Phone: 07829042378
Email: albadria@uowasit.edu.iq
albadria@uowasit.edu.iq

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	7
Citations (Scopus)	0
Citations (GS)	360
Documents (Scopus)	0
Documents (GS)	28

PROFILE

Alaa Ruhma Kazim Al-Badri is an active researcher dedicated to advancing scholarly inquiry through sustained research, peer collaboration, and academic dissemination. Over the course of an evolving research career, Al-Badri has established a solid record of scholarly output, having authored 28 publications in peer-reviewed venues and academic platforms.

Demonstrating notable engagement and recognition within the scientific community, Al-Badri's work has accumulated 361 citations, resulting in an h-index of 7. These metrics reflect both the reach and relevance of the researcher's contributions, which continue to support academic dialogue and provide useful insights for ongoing studies in the field. Al-Badri remains committed to rigorous scholarship, continuous scientific contribution, and addressing complex challenges through dedicated academic inquiry.

PUBLICATIONS (28)

1. **Numerical Comparative Thermal Analysis of a Parabolic Trough Solar Collector Using Circular, Semi-Oval, and Isosceles Triangular Absorber Tubes**
   Anbar Journal of Engineering Sciences 17 (1), 71-83, 2026 | 2026
2. **Enhancing the Efficiency of Parabolic Trough Solar Collector Using Mini-Channel Flat Aluminium Tubes**
   Wasit Journal of Engineering Sciences 14 (2), 1-15, 2026 | 2026
3. **Optimization of Heat Transfer in a Circular Cavity With and Without a Cold Cylindrical Insert**
   Heat Transfer, 2026 | 2026 | Cited: 1
4. **Experimental Assessment of a Modified PTC with Aluminum Tubes on the Reflector Surface**
   Energy Engineering: Journal of the Association of Energy Engineers 123 (3), 2026 | 2026
5. **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
6. **Flow boiling of R513a in a microchannel enhanced by rectangular cross section cavities**
   International Journal of Refrigeration, 2025 | 2025 | Cited: 2
7. **Effect of Split and Timing Injection Techniques on Diesel-Biodiesel Blends Fueled RCCI Engines**
   Engineering Headway 8, 167-178, 2024 | 2024
8. **Enhancing the fire-resistance performance of composite laminates via multi-scale hybridisation: A review**
   Journal of Industrial Textiles 54, 15280837241226988, 2024 | 2024 | Cited: 20
9. **Condensation of refrigerant R450A inside a mini-channel of rectangular cross section with an internal longitudinal groove**
   International Journal of Refrigeration 159, 28-38, 2024 | 2024 | Cited: 1
10. **Experimental study of the split-type air conditioner with the variable-speed compressor, variable-speed supply fan, and electronic expansion valve**
    Wasit Journal of Engineering Sciences 11 (3), 57-70, 2023 | 2023
11. **Film-wise Condensation of Refrigerants HFO1234yf & HFC134a outside standard finned tubes**
    Design Engineering, 6660-6671, 2021 | 2021
12. **Effects of evaporator and condenser temperatures on the performance of a chiller system with a variable speed compressor**
    Engineering and Technology Journal 39 (1A), 45-55, 2021 | 2021 | Cited: 7
13. **Wasit Journal of Engineering Sciences**
    2020

14. **A control method using adaptive setting of electronic expansion valve for water chiller systems equipped with variable speed compressors**
International Journal of Refrigeration 119, 102-109, 2020 | 2020 | Cited: 47

15. **Effects of compressor speed and electronic expansion valve opening on the performance of R410a water chiller system**
Wasit Journal of Engineering Sciences 8 (1), 12-20, 2020 | 2020 | Cited: 3

16. **A Study on Thermal Effectiveness of Multi-Stages Evaporative Air Cooling**
Wasit Journal of Engineering Sciences 8 (2), 1-14, 2020 | 2020 | Cited: 2

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

18. **The influence of fin structure and fin density on the condensation heat transfer of R134a on single finned tubes and in tube bundles**
International Journal of Heat and Mass Transfer 100, 582-589, 2016 | 2016 | Cited: 58

19. **Effect of fin pitch, fin height, and bundle depth on condensation of R134a, R1234yf, and R1234ze in bundles of integral finned tubes**
Proceedings of the DKV-Conference, Duesseldorf, Germany, 2014 | 2014 | Cited: 3

20. **Element-by-element Prediction Model of Condensation Heat Transfer in Bundles of Horizontal Integral Finned Tubes: Element-für-Element-Vorhersagemodell Der ...**
ESYTEC Energy-und Systemtechnik GmbH, 2014 | 2014 | Cited: 4

21. **Prediction of the overall heat transfer coefficient for the condensation on horizontal integral finned tubes with internal helical ribs**
Proceedings of the DKV-Conference, Hannover, Germany,, 2013 | 2013 | Cited: 2

22. **Element by element prediction model of condensation heat transfer on a horizontal integral finned tube**
International Journal of Heat and Mass Transfer 62, 463-472, 2013 | 2013 | Cited: 46

23. **Condensation heat transfer on single horizontal smooth and finned tubes and tube bundles for R134a and propane**
International Journal of Heat and Mass Transfer 56 (1-2), 516-524, 2013 | 2013 | Cited: 84

24. **Performance of a Plate Fin and Tube Dehumidifying Coil Using Entropy Generation Method**
Eng. & Tech. Journal 27, 2009 | 2009

25. **Optimization of Plate- Fin- and- Tube Heat Exchanger Using Entropy Generation Minimization Method**
Proceedings of the Engineering Conference/ Al-Mustansiriya University/ Iraq, 2008 | 2008

26. **Comparison Among Different Methods for Predicting Mass Flow Rate of Refrigerant in Capillary Tubes**
Journal of Engineering and Development 12, 2008 | 2008

27. **Numerical Study of the Inlet Subcooling Effect on the Flow Boiling Characteristics Through a Microchannel**
Available at SSRN 4576791, 0 | 0

28. **EXPERIMENTAL INVESTIGATION ON DIRECT EVAPORATIVE AIR COOLER PERFORMANCE WITH CELLULOSIC PADS**
0