

Res. Asst. İbrahim AKGÜN

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey
2022 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2019 - 2022

Undergraduate Double Major, Firat University, Faculty Of Engineering, Department Of Electrical And Electronics
Engineering, Turkey 2013 - 2017

Undergraduate, Firat University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2011 - 2015

Research Areas

Mechanical Engineering, Energy, Conventional Energy Systems and Their Technology, Alternative Energy Resources,
Solar energy, Thermodynamics

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical
Engineering, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a smart powering system with ammonia fuel cells and internal combustion engine for submarines**
AKGÜN İ., DİNCER İ.
Energy, vol.294, 2024 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **AN INTEGRATED FACILITY FOR MULTIPLE USEFUL OUTPUTS WITH CO₂ CAPTURE AND UTILIZATION IN STEEL INDUSTRY**
Akgün İ., Dinçer İ.
12th Global Conference on Global Warming (GCGW-2024), Şanlıurfa, Turkey, 16 - 19 May 2024, pp.82-84
- II. **A SYSTEM DESIGN FOR CO₂ CAPTURE WITH HYDROGEN AND METHANOL PRODUCTION IN A CEMENT PLANT**

Akgün İ., Dinçer İ.

8th International Hydrogen Technologies Congress (IHTEC-2024), Diyarbakır, Turkey, 12 - 15 May 2024, pp.694-696

III. DEVELOPMENT OF A HYBRID POWERING SYSTEM WITH AMMONIA FUEL CELLS AND INTERNAL COMBUSTION ENGINE FOR SUBMARINES

AKGÜN İ., DİNCER İ.

14th INTERNATIONAL CONFERENCE ON HYDROGEN PRODUCTION (ICH2P-2023), Qatar, 19 - 21 December 2023

IV. Thermo-economic investigation of power generation using micro steam turbines in industrial facilities

Akgün İ., Pusat Ş., Erdem H. H.

International Joint Conference on Engineering, Science and Artificial Intelligenc, 15 - 17 June 2022, pp.83-90

V. THE CHANGES IN ELECTRICITY CONSUMPTION RELATED TO COVID-19 OUTBREAK AND ITS ENVIRONMENTAL EFFECTS

Akgün İ., Yumurtacı Z., İşleyen A., Agbaje M. A.

6TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 20 - 22 December 2021, pp.1802-1812

VI. ELECTRIC PRODUCTION BY MEANS OF SOLAR HEAT FOR THE CITY OF ELAZIĞ IN TURKEY

Akgün İ., Yalabık A., Akça B., Tuzcu C. B., Tüzen A.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 17 - 19 December 2019, pp.1918-1932

Metrics

Publication: 7

Non Academic Experience

Municipality, İBB , Altyapı Projeler Müdürlüğü