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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: E-2913-2016
ScopusID: 57208427969

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2020 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Hydrogen production using aluminum-water splitting: A combined experimental and theoretical approach**
Kandasamy J., Mutlu R. N., Eroğlu E., KARACA M., TOFFOLİ H., GÖKALP İ.
International Journal of Hydrogen Energy, cilt.52, ss.202-211, 2024 (SCI-Expanded)

II. **Steady and unsteady flow characteristics of dual cavity in strut injection scramjet combustor**
Rajesh A., Jeyakumar S., Jayaraman K., Karaca M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.48, sa.72, ss.28174-28186, 2023 (SCI-Expanded)

III. **The implications of dual cavity location in a strut-mounted scramjet combustor**
Rajesh A., Jeyakumar S., JAYARAMAN K., KARACA M., Athithan A. A.
International Communications in Heat and Mass Transfer, cilt.145, 2023 (SCI-Expanded)

IV. **CFD investigation of shock boundary layer interaction in hypersonic flow and flow control using micro ramps**
Gupta G., Kumar A. A., Sivakumar R., Kandasamy J.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.94, sa.6, ss.862-870, 2022 (SCI-Expanded)

V. **Effect of hydrogen jets in supersonic mixing using strut injection schemes**
Jeyakumar S., Kandasamy J., KARACA M., Karthik K., Sivakumar R.
International Journal of Hydrogen Energy, cilt.46, sa.44, ss.23013-23025, 2021 (SCI-Expanded)

VI. **Combustion Characteristics of Nanoaluminium-Based Composite Solid Propellants: An Overview**
JAYARAMAN K., Sivakumar P. M., Zarrabi A., Sivakumar R., Jeyakumar S.
JOURNAL OF CHEMISTRY, cilt.2021, 2021 (SCI-Expanded)

VII. **Acoustic pressure oscillation effects on mean burning rates of plateau propellants**
Kathiravan B., Senthilkumar C., Rajak R., Jayaraman K.
COMBUSTION AND FLAME, cilt.226, ss.69-86, 2021 (SCI-Expanded)

VIII. **Numerical investigations on the hydrogen jet pressure variations in a strut based scramjet combustor**
Suppandipillai J., Kandasamy J., Sivakumar R., KARACA M., Karthik K.
Aircraft Engineering and Aerospace Technology, cilt.93, sa.4, ss.566-578, 2021 (SCI-Expanded)

IX. **Combustion mechanism and model free kinetics of different origin coal samples: Thermal analysis approach**
Jayaraman K., KÖK M. V., Gokalp I.
ENERGY, cilt.204, 2020 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **EFFECT OF CATALYZER ON PRIMARY COMBUSTION AND MECHANICAL PROPERTIES OF HIGHLY METALIZED FUEL-RICH PROPELLANTS**
Ramakrishnan M., Chakravarthy S. R., Kandasamy J., Sarathi R.
International Journal of Energetic Materials and Chemical Propulsion, cilt.22, sa.1, ss.57-75, 2023 (ESCI)

Metrikler

Yayın: 11
Atıf (WoS): 66
Atıf (Scopus): 94
H-İndeks (WoS): 3
H-İndeks (Scopus): 3