

Contents

- 1 Experimental Investigation and Kinetic Modeling of the Supercritical Pyrolysis of JP-8 Aviation Fuel
Seung Mook Park, Jun Su Kang, Hyung Ju Lee, Bo Yeon Kim, Inyoung Yang
- 23 A Preliminary Design Approach to Solid Propellant Formulations for Variable-Thrust Rocket Motors Using CEA Code
Byoung Sun Min, Sung June Kim, Jae Min Jung
- 36 Quantitative Evaluation of Bosch-DRIE-Induced Scalping Effects on the Thrust Performance of Axisymmetric Micronozzles
Giwon La, Jini Yang, Jongkwang Lee
- 45 Experimental Measurement of Thermophysical Properties of Supercritical Fluids
Seo Yeon Kang, Tae Jong Choi, Seok Pil Jang
- 56 Development of $\text{BiVO}_4/\text{g-C}_3\text{N}_4$ Nanocomposite for Enhanced Photocatalytic Degradation of Methylene Blue under Solar Irradiation
Baby Sri Pratha Govindaraj, Kishore Pothilingam, Jeyanthinath Mayandi, Sivaprakash Paramasivam, Ikhyun Kim
- 68 Numerical Study of Supersonic Retro-Propulsion Flow Characteristics based on Low-Altitude Descending Flight Mach Numbers
Chae-Hyoung Kim
- 87 Application of Background-Oriented Schlieren to Counterflow Diffusion Flames for Refractive Index Gradient Identification
Daeyoung Jun, Jungmu Hur, Seo Hee Cho, Bok Jik Lee