

Contents

- 1 Thermal Environment Analysis of a Scramjet Combustor based on pseudo-Conjugate Heat Transfer Analysis with Combustion
Seung-Min Jeong, Kyungjae Lee, Inyoung Yang, Sanghoon Lee, Yang Ji Lee, Jae-Eun Kim, Jeong-Yeol Choi
- 17 Preliminary Numerical Study on the Combustion Efficiency of a Multi-Slit Type Gas-Liquid Pintle Injector
Subeom Heo, Youngbin Yoon, Bok Jik Lee
- 27 Formation and Mechanical Characterization of GAP-based Polymeric Networks for Solid Rocket Propellants: A Dual Reactive Approach Using Terminal-Hydroxyl and Pendant Azide Groups
Byoung Sun Min, Sung June Kim
- 39 Combined Experimental and Machine Learning Study of Injection Characteristics of High-Pressure Spray Injector
Lin Yun, Jiho Park, Hyung Sub Sim
- 52 Combustion Instability Analysis of a Gas Turbine Combustor with Varying Hydrogen Blending Ratios and Nozzle Geometry
Jaewoo Jang, Juhwan Lee, Jaehong Choi, Youngbin Yoon, Jungmin Seok, Daesik Kim
- 67 Shock Wave-Induced Functional Properties of Lanthanum Cobalt Oxide/Reduced Graphene Oxide Nanocomposites
P. Sivaprasakash, Kiwon Kim, S. A. Martin Britto Dhas, S. Esakki Muthu, Jhelai Sahadevan, Ikhyun Kim
- 79 Investigation of Storage Effects on the Concentration and Ignition Behavior of Hydrogen Peroxide Containing Lithium Nitrate
Jini Yang, Minha Hwang, Jongkwang Lee

