

# Journal of Propulsion and Power

VOLUME 27, NUMBER 6, NOVEMBER 2011

[View Abstracts](#)

[Add to Favorites](#)

[Email](#)

[Download Citations](#)

[Track Citations](#)

Select All

- 1161 **Recovery Process from Rotating Stall in a Fan**  
[Minsuk Choi](#), [Mehdi Vahdati](#)  
[Citation](#) | [PDF \(4243 KB\)](#) | [PDF Plus \(2351 KB\)](#)
- 1169 **Cowl and Cavity Effects on Mixing and Combustion in Scramjet Engines**  
[Sang Hun Kang](#), [Yang Ji Lee](#), [Soo Seok Yang](#), [Michael K. Smart](#), [Milinda K. Suraweera](#)  
[Citation](#) | [PDF \(7020 KB\)](#) | [PDF Plus \(1023 KB\)](#)
- 1178 **Application of Stereoscopic Particle Image Velocimetry to a Dual-Mode Scramjet**  
[C. T. Smith](#)  
[Citation](#) | [PDF \(3620 KB\)](#) | [PDF Plus \(599 KB\)](#)
- 1186 **Experimental Study of Boundary-Layer Bleed Impact on Ramjet Inlet Performance**  
[Dirk Herrmann](#), [Sergej Blem](#), [Ali Gulhan](#)  
[Citation](#) | [PDF \(8923 KB\)](#) | [PDF Plus \(748 KB\)](#)
- 1196 **Supersonic Combustion with Supersonic Injection Through Diamond-Shaped Orifices**  
[S. Tomioka](#), [T. Kohchi](#), [R. Masumoto](#), [M. Mizumikawa](#), [A. Matsuo](#)  
[Citation](#) | [PDF \(1076 KB\)](#) | [PDF Plus \(744 KB\)](#)
- 1204 **Multistability and Complex Routes of Supersonic Inlet Start/Unstart**  
[Tao Cui](#), [Zhong Lv](#), [Daren Yu](#)  
[Citation](#) | [PDF \(1501 KB\)](#) | [PDF Plus \(680 KB\)](#)
- 1212 **Flow and Combustion Characteristics of a Low-NO<sub>x</sub> Combustor Model for Gas Turbines**  
[M.J. Melo](#), [J. M. M. Sousa](#), [M. Costa](#), [Y. Levy](#)  
[Citation](#) | [PDF \(2461 KB\)](#) | [PDF Plus \(312 KB\)](#)
- 1218 **Annular Diffusers with Large Downstream Blockage Effects for Gas Turbine Combustion Applications**  
[A. Duncan Walker](#), [Jonathon F. Carrotte](#), [Paul A. Denman](#)

[Citation](#) | [PDF \(14176 KB\)](#) | [PDF Plus \(961 KB\)](#)

- 1231 **Icing Simulation in Multistage Jet Engines**  
[W. G. Habashi](#), [X. Veillard](#), [G. S. Baruzzi](#)  
[Citation](#) | [PDF \(5651 KB\)](#) | [PDF Plus \(363 KB\)](#)
  
- 1238 **Cold Gas Testing of Thrust-Optimized Parabolic Nozzle in a High-Altitude Test Facility**  
[S.B. Verma](#), [Oskar Haidn](#)  
[Citation](#) | [PDF \(4540 KB\)](#) | [PDF Plus \(1591 KB\)](#)
  
- 1247 **Linear-Plug Flowfield and Base Pressure Development in Freestream Flow**  
[S.B. Verma](#), [M. Viji](#)  
[Citation](#) | [PDF \(8674 KB\)](#) | [PDF Plus \(2168 KB\)](#)
  
- 1259 **Plug-Annular Micronozzles: A New Prospect for Microthrusters**  
[Alina A. Alexeenko](#), [William B. Stein](#)  
[Citation](#) | [PDF \(2877 KB\)](#) | [PDF Plus \(578 KB\)](#)
  
- 1266 **Nozzle Acoustic Dynamics and Stability Modeling**  
[Jonathan C. French](#)  
[Citation](#) | [PDF \(4210 KB\)](#) | [PDF Plus \(1286 KB\)](#)
  
- 1276 **Study on the Regression Rate of Paraffin-Based Hybrid Rocket Fuels**  
[Ichiro Nakagawa](#), [Satoshi Nikone](#)  
[Citation](#) | [PDF \(3101 KB\)](#) | [PDF Plus \(423 KB\)](#)
  
- 1280 **Validation of Numerical Simulations for Nano-Aluminum Composite Solid Propellants**  
[Allen H. Yan](#), [Steven F. Son](#), [Thomas L. Jackson](#), [Prem Venugopal](#)  
[Citation](#) | [PDF \(1627 KB\)](#) | [PDF Plus \(563 KB\)](#)
  
- 1288 **Solid Propellant Microthruster Design for Nanosatellite Applications**  
[Kartheephan Sathiyathan](#), [Regina Lee](#), [Hugh Chesser](#), [Charles Dubois](#), [Robert Stowe](#), [Rocco Farinaccio](#), [Sophie Ringuette](#)  
[Citation](#) | [PDF \(6373 KB\)](#) | [PDF Plus \(338 KB\)](#)
  
- 1295 **A Micro-Scale Monopropellant Fuel Injection Scheme Using Two-Phase Slug Formation**  
[J. W. McCabe](#), [D. L. Hitt](#), [M. R. McDevin](#)  
[Citation](#) | [PDF \(2561 KB\)](#) | [PDF Plus \(623 KB\)](#)

- 1303 Heat Transfer in a Rectangular Channel with Dimples Applied to One Wall**  
[Carson D. Slabaugh](#), [Lucky V. Tran](#), [J. S. Kapa](#)  
[Citation](#) | [PDF \(8371 KB\)](#) | [PDF Plus \(643 KB\)](#)
  
- 1315 Measurement of Water Vapor Levels for Investigating Vitiation Effects on Scramjet Performance**  
[Robert D. Rockwell](#), [Christopher P. Goyne](#), [Willie Haw](#), [James C. McDaniel](#)  
[Citation](#) | [PDF \(69 KB\)](#) | [PDF Plus \(111 KB\)](#)
  
- 1317 Dual-Mode Scramjet Combustor: Numerical Analysis of Two Flowpaths**  
[Ryan T. Milligan](#), [Dean R. Eklund](#), [J. Mitch Wolff](#), [Mark Gruber](#), [Tarun Mather](#)  
[Citation](#) | [PDF \(1131 KB\)](#) | [PDF Plus \(188 KB\)](#)
  
- 1321 2011 Journal of Propulsion and Power Subject Index**  
[Citation](#) | [PDF \(59 KB\)](#) | [PDF Plus \(60 KB\)](#)
  
- 1326 Author Index**  
[Citation](#) | [PDF \(155 KB\)](#) | [PDF Plus \(156 KB\)](#)
  
- 1328 2011 Journal of Propulsion and Power Chronological Index**  
[Citation](#) | [PDF \(635 KB\)](#) | [PDF Plus \(636 KB\)](#)