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## Abstract of Published Article

### Evaluation of nanoparticles in the performan

**José Atílio Fritz Fidel Rocco\***

Instituto Tecnológico de Aeronáutica  
São José dos Campos – Brasil  
friz@ita.br

**Rene Francisco Boschi Gonçalves**

Instituto Tecnológico de Aeronáutica  
São José dos Campos – Brasil  
rene@ita.br

**Koshun Iha**

Instituto Tecnológico de Aeronáutica  
São José dos Campos – Brasil  
koshun@ita.br

**Gilson da Silva**

Instituto Nacional da Propriedade Industrial  
Rio de Janeiro – Brasil  
gilsondasilva@uol.com.br

\*author for correspondence

### Abstract:

The addition of nanosized metal particles in propuls propellants, hybrid propellant and ramjet motors has rec Significant increases in the burning velocity and in advantages of using nano-scale energetic materials systems. Aluminum has been largely employed as a r also in a recently new propulsion system (aluminum/ice show that the advantages of using nanosized aluminu facilitating the ignition of the systems and allowing bette formulations and improving its homogeneity. Some of high pressures and even higher temperatures can oc increase of the surface area of the reactants, in this case

### Keywords:

Nanoparticles, Aluminum, Energetic materials.



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