

Dissertation:

Silvestri, S., "Investigation on Heat Transfer and Injector Design Criteria for Methane/Oxygen Rocket Combustion Chambers". Ph.D. Thesis, ISBN: 978-3-8439-4218-8, 2019.

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Celano, M.P., Silvestri, S., Kirchberger, C., Schlieben, G., Suslov, D., Haidn, O.J., "Gaseous Film Cooling Investigation and Model Assessment in a Sub-scale Single Element GOX/GCH₄ Combustion Chamber", Transactions of the JSASS, Aerospace Technology Japan, Vol. 14 (2016), January 2017

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Haidn, O.J., Bauer, C., Luo, M., Silvestri. S., Daimon, Y., Slavinskaya, N.A., "Green Propulsion: Experimental and Numerical Investigation of Methane/Oxygen Combustors", Munich Aerospace Summit: Green Aerospace, Munich, Germany, June 26-28, 2017

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- Silvestri, S., Bauer, C., Lungu, P., O.J., O. Knab**, “Axial and Azimuthal Heat Load Distribution in 7-Injector GOX/GCH₄ Combustion Chamber”, 2018 Joint Propulsion Conference, AIAA 2018-4552, Cincinnati, Ohio, 2018
- Daimon, Y., Negishi, H., Silvestri, S., Haidn, O.J., “Conjugated Combustion and Heat Transfer Simulation for a 7-Element GOX/GCH₄ Rocket Combustor”, 2018 Joint Propulsion Conference, AIAA 2018-4553, Cincinnati, Ohio, 2018
- Daimon, Y., Negishi, H., Tani, H., Terashima, H., Silvestri, S., Haidn, O.**, “Comparison Study of Combustion Flow Fields and Heat Transfer Characteristics between GCH₄/GO₂ Single- and Multi-Element Combustion Chambers”, Space Propulsion Conference 2018, Seville, Spain, 2018
- Silvestri, S., Winter, F., Garulli, M., Celano, M.P., Schlieben, G., Haidn, O.J., O. Knab**, “Investigation on Recess Variation of a Shear Coax Injector in a GOX/GCH₄ Rectangular Combustion Chamber with Optical Access”, 7th European Conference for Aeronautics and Space Sciences (EUCASS), Milano, Italy, July 3- 6, 2017
- Winter, F., Silvestri, S., Celano, M.P., Schlieben, G., Haidn, O.J.**, “High-speed and Emission Imaging of a Coaxial Single Element GOX/CH₄ Rocket Combustion Chamber”, 7th European Conference on Aeronautics and Space Sciences (EUCASS), Milano, Italy, July 3-6, 2017
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- Roth, C., Silvestri, S., Perakis, N., Haidn, O., “Experimental and numerical investigation of flow and combustion in a single element rocket combustor using GH₂/GOX and GCH₄/GOX as propellants”, 31st ISTS, Matsuyama, June 3-9, 2017
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