List of publications

1 Journals

Peer-reviewed journal articles

1. Krithika Narayanaswamy, Heinz Pitsch, and Perrine Pepiot
"A chemical mechanism for low to high temperature oxidation of methylcyclohexane as a component of transportation fuel surrogates", *Combustion and Flame*, 162 (2015) 1193–1213.

2. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"A chemical mechanism for low to high temperature oxidation of *n*-dodecane as a component of transportation fuel surrogates", *Combustion and Flame*, 161 (2014) 866–884.

   Number of citations: 5; Impact factor: 3.708

3. Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,
"A consistent chemical mechanism for oxidation of substituted aromatic species"
Combustion and Flame, 157 (10) (2010) 1879–1898.

   Number of citations: 80; Impact factor: 3.708

In preparation

4. Krithika Narayanaswamy, Heinz Pitsch, and Perrine Pepiot,
"Chemical kinetic modeling of jet fuel surrogates", in preparation to *Combustion and Flame*.

5. Krithika Narayanaswamy and Perrine Pepiot,
"Multi-component fuel effects in laminar triple flames of jet fuel surrogates", in preparation.

Conference

1. Krithika Narayanaswamy and Perrine Pepiot,
"Structure of a laminar triple flame of a jet fuel surrogate"
Bulletin of the American Physical Society 59, November 24^{th}, 2014

2. Lara Backer, Krithika Narayanaswamy, and Perrine Pepiot,
"Numerical investigation of spray ignition of a multi-component fuel surrogate"
Bulletin of the American Physical Society 59, November 23^{rd}, 2014

3. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Jet Fuels and Fischer-Tropsch fuels - Surrogate definition and chemical kinetic modeling"
8^{th} *U.S. National Combustion Meeting*, University of Utah, Salt Lake City, May 22^{nd}, 2013

   Number of citations: 2

4. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Chemical mechanism for *n*-dodecane and methylcyclohexane as components of transportation fuel surrogates", *Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2012

5. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Progress in surrogate formulations for jet fuels"
Thermal and Fluid Sciences Affiliates and Sponsors Conference, Stanford University, 2011

6. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Towards Surrogate formulation for jet fuels"
Thermal and Fluid Sciences Affiliates and Sponsors Conference, Stanford University, 2010

7. Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,
"A consistent chemical mechanism for oxidation of substituted aromatic species"
6^{th} *U.S. National Combustion Meeting*, University of Michigan, Ann Arbor, 2009

8. Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,
"A consistent chemical mechanism for oxidation of substituted aromatic species"
Thermal and Fluid Sciences Affiliates and Sponsors Conference, Stanford University, 2009

2 Posters

1. Krithika Narayanaswamy and Perrine Pepiot
"Analysis of a laminar triple flame burning a jet fuel surrogate"
Sibley Graduate Research Symposium, Cornell University, 2015.

2. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Jet Fuels and Fischer-Tropsch fuels - Surrogate definition and chemical kinetic modeling"
Thermal and Fluid Sciences Affiliates and Sponsors Conference, Stanford University, 2013.

3. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Development of kinetic model for jet fuels and Fischer-Tropsch fuels"
34^{th} *Proceedings of Combustion Institute*, Warsaw University of Technology, Poland, August 4^{th}, 2012.

4. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Kinetic models for surrogate fuels"
7^{th} *U.S. National Combustion Meeting*, Georgia Institute of Technology, Atlanta, March 22^{nd}, 2011.

3 Invited Talks

1. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"A chemical kinetic model for jet fuel surrogates"
Cornell Fluid Dynamics Seminar, Cornell University, April 29^{th}, 2014.

2. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Development towards a chemical kinetic model for transportation fuel surrogates"
Chemical Engineering Seminar, Indian Institute of Technology Madras, September 6^{th}, 2012.

3. Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,
"Development towards a chemical kinetic model for transportation fuel surrogates"
High Temperature Gas Dynamics Seminar, Stanford University, May 9^{th}, 2012.