

CloudFlame - MY ACCOUNT

In CloudFlame 'My Account' page, the user can access the following information.

- Simulation Results
- Submitted Publication data

جامعة الملك عبد الله
للعلوم والتقنية
King Abdullah University of
Science and Technology

CloudFlame

My account Log out

Home Search Digitized Data Submit Digitized Data

Navigation

- ▶ Counterflow Diffusion Flame
- ▶ Flame Speed Calculation
- ▶ Fuel Design Tool
- ▶ Ignition Simulation Calculation
- ▶ Mechanism File Converter
- Work Group
- Video Tutorials
- Search

Welcome to CloudFlame

View Form Edit

CloudFlame is a cloud-based cyberinfrastructure for managing combustion research and enabling collaboration together with the [Process Informatics Model \(PrIME\)](#) portal.

CloudFlame consists of layers for database management, communication, computation, and monitoring.

- The database management layer manages digitized data obtained from combustion research papers.
- The communication layer provides the secure communication between partner systems using public/private keys for users to have access to the databases.
- The computational layer provides computing power to run simulations.
- The monitoring layer provides a real time monitoring system for users to view the status of systems, applications, users and databases.

Acknowledgment

CloudFlame is developed by the Clean Combustion Research Center with funding from KAUST and Saudi Aramco under the FUELCOM program.

References

1. G. Goteng, N. Nettyam, S.M. Sarathy. "CloudFlame: Cyberinfrastructure for Combustion Research", IEEE, China, 2013.

Simulation Results:

Click on 'My account' present at the top right corner of the page.

Click on 'Simulation Results'

nettyan

View Edit Publications Shortcuts **Simulation Results**

Submitted Time	Simulation Type	Download File	Download File	Download Graphs
2015-05-05 16:44:16	FlameSpeed	CSV File		
2015-05-05 16:43:45	FlameSpeed	CSV File		
2015-05-05 16:43:43	FlameSpeed	CSV File		
2015-05-05 16:43:31	FlameSpeed	CSV File		
2015-05-05 16:43:28	FlameSpeed	CSV File		
2015-05-05 16:42:24	FlameSpeed	CSV File		
2015-05-05 16:35:17	FlameSpeed	CSV File		
2015-05-05 16:35:06	FlameSpeed	CSV File		
2015-05-05 16:35:04	FlameSpeed	CSV File		
2015-05-05 16:34:55	FlameSpeed	CSV File		
2015-05-05 16:34:47	FlameSpeed	CSV File		
2015-05-05 12:01:40	Fuel Design Tool	Log File		
2015-05-05 11:58:26	Fuel Design Tool	Log File		
2015-05-05 11:23:06	Fuel Design Tool	Log File		
2015-05-04 16:54:33	FlameSpeed	CSV File		
2015-05-04 16:51:03	FlameSpeed	CSV File		
2015-05-04 16:46:36	FlameSpeed	CSV File		
2015-05-04 16:16:36	Ignition Delay Constant Volume	CSV File	HDF5 File	Graphs
2015-05-04 16:16:36	Ignition Delay Constant Pressure	CSV File	HDF5 File	Graphs
2015-05-04 16:10:02	Ignition Delay Constant Pressure	CSV File	HDF5 File	Graphs
2015-05-04 15:58:25	Ignition Delay Constant Volume	CSV File	HDF5 File	Graphs
2015-05-04 15:58:25	Ignition Delay Constant Pressure	CSV File	HDF5 File	Graphs
2015-05-04 15:52:11	Ignition Delay Constant Volume	CSV File	HDF5 File	Graphs

User can see the results of their previously submitted simulated data from the above link.

Note: Files will be deleted automatically after one week from the date of submission.

Publications:

Also, User can see their list of submitted publications in 'My account'

nettyan

View Edit **Publications** Shortcuts Simulation Results

2012

[Herbinet, O. et al. Experimental and modeling investigation of the low-temperature oxidation of n-heptane. *Combustion and Flame* **159**, 3455 - 3471 \(2012\).](#) [Edit Sheetnode](#) [Edit Experimental Details](#)
[BibTex](#) [RTF](#) [Tagged](#) [MARC](#) [XML](#) [RIS](#)

2011

[Leplat, N., Dagaut, P., Togbé, C. & Vandooren, J. Numerical and experimental study of ethanol combustion and oxidation in laminar premixed flames and in jet-stirred reactor. *Combustion and Flame* **158**, 705 - 725 \(2011\).](#) [Edit Sheetnode](#) [Edit Experimental Details](#) [BibTex](#) [RTF](#) [Tagged](#) [MARC](#) [XML](#) [RIS](#)

[Saxena, S., Kahandawala, M. S. P. & Sidhu, S. S. A shock tube study of ignition delay in the combustion of ethylene. *Combustion and Flame* **158**, 1019 - 1031 \(2011\).](#) [Edit Sheetnode](#) [Edit Experimental Details](#)
[BibTex](#) [RTF](#) [Tagged](#) [MARC](#) [XML](#) [RIS](#)

2010

[Noorani, K. E., Akih-Kumgeh, B. & Bergthorson, J. M. Comparative High Temperature Shock Tube Ignition of C1-C4 Primary Alcohols. *Energy & Fuels* **24**, 5834-5843 \(2010\).](#) [Edit Sheetnode](#) [Edit Experimental Details](#) [BibTex](#) [RTF](#) [Tagged](#) [MARC](#) [XML](#) [RIS](#)

[Heufer, K. A. & Olivier, H. Determination of ignition delay times of different hydrocarbons in a new high pressure shock tube. *Shock Waves* **20**, 307-316 \(2010\).](#) [Edit Sheetnode](#) [Edit Experimental Details](#)