

Lieuwen, Tim C

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4808771/lieuwen-tim-c-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

660
citations

10
h-index

25
g-index

51
ext. papers

836
ext. citations

3.8
avg, IF

4.62
L-index

#	Paper	IF	Citations
35	Unsteady Combustor Physics 2012 ,		208
34	Combustion Instabilities In Gas Turbine Engines 2006 ,		169
33	Time-averaged characteristics of a reacting fuel jet in vitiated cross-flow. <i>Combustion and Flame</i> , 2014 , 161, 1792-1803	5.3	52
32	Experiments and modeling of propane combustion with vitiation. <i>Combustion and Flame</i> , 2014 , 161, 2038-2053	5.3	36
31	Structure of hydrogen-rich transverse jets in a vitiated turbulent flow. <i>Combustion and Flame</i> , 2015 , 162, 1234-1248	5.3	28
30	Turbulent Consumption Speeds of High Hydrogen Content Fuels From 100 atm. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	23
29	Nitrogen oxide emissions from rich premixed reacting jets in a vitiated crossflow. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 5393-5400	5.9	18
28	Effect of axial diffusion on the response of diffusion flames to axial flow perturbations. <i>Combustion and Flame</i> , 2016 , 167, 395-408	5.3	15
27	Analysis of flamelet leading point dynamics in an inhomogeneous flow. <i>Combustion and Flame</i> , 2014 , 161, 1337-1347	5.3	14
26	Comparison of Single- and Multinozzle Reacting Swirl Flow Dynamics. <i>Journal of Propulsion and Power</i> , 2018 , 34, 384-394	1.8	10
25	Unsteady flame-wall interactions in a reacting jet injected into a vitiated cross-flow. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 3203-3210	5.9	10
24	Non-linear dynamics of thermoacoustic eigen-mode interactions. <i>Combustion and Flame</i> , 2018 , 194, 309-321	3.7	9
23	Propagation of Sound in Inhomogeneous Media: Exact, Transient Solutions in Curvilinear Geometries. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2003 , 125, 133-136	1.6	9
22	Axial evolution of forced helical flame and flow disturbances. <i>Journal of Fluid Mechanics</i> , 2018 , 844, 323-356	3.7	8
21	Simultaneous High Speed (5 kHz) Fuel-PLIE, OH-PLIF and Stereo PIV Imaging of Pressurized Swirl-Stabilized Flames using Liquid Fuels 2017 ,		6
20	Exact statistics for linear time delayed oscillators subjected to Gaussian excitation. <i>Journal of Sound and Vibration</i> , 2013 , 332, 5929-5938	3.9	5
19	10-kHz simultaneous dual-plane stereo-PIV and OH-PLIF imaging. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	5

18	Premixed turbulent flame speed in an oscillating disturbance field. <i>Journal of Fluid Mechanics</i> , 2018 , 835, 102-130	3.7	5
17	Modeling the Response of Turbulent Flames to Harmonic Forcing. <i>Combustion Science and Technology</i> , 2017 , 189, 187-212	1.5	4
16	Stability Analysis of Reacting Wakes: Flow and Density Asymmetry Effects 2015 ,		3
15	Non-monotonic flame response behaviors in harmonically forced flames. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 6043-6050	5.9	3
14	Turbulence effects on the chemical pathways for premixed Methane/Air flames 2017 ,		2
13	Sound Generation from Swirling, Premixed Flames Excited by Helical Flow Disturbances. <i>Combustion Science and Technology</i> , 2015 , 187, 206-229	1.5	2
12	Role of Azimuthal Flow Fluctuations on Flow Dynamics and Global Flame Response of Axisymmetric Swirling Flames 2014 ,		2
11	Pressure Effects on the Turbulent Consumption Speeds of High H ₂ Mixtures 2012 ,		2
10	Methane Oxy-Combustion for Low CO ₂ Cycles: Measurements and Modeling of CO and O ₂ Emissions 2010 ,		2
9	Methane Oxy-Combustion for Low CO ₂ Cycles: Blowoff Measurements and Modeling 2010 ,		2
8	Stability Analysis of Reacting Wakes: The Physical Role of Flame-Shear Layer Offset 2014 ,		2
7	Axial Evolution of Helical Flame and Flow Disturbances in a Transversely Forced Combustor 2017 ,		1
6	Global Turbulent Consumption Speeds (ST,GC) Of H ₂ /CO Blends 2009 ,		1
5	Tomographic PIV Characterization of the Near field Topology of the Reacting Jet in Crossflow 2020 ,		1
4	Turbulent Flame Structure and Dynamics in Swirling Reacting Flows: Insights from High-Speed Dual-Plane Stereo -PIV/OH-PLIF Measurements 2019 ,		1
3	Characterization of transient blowout dynamics of a swirl stabilized flame using simultaneous OH and CH ₂ O PLIF 2019 ,		1
2	Near blowout dynamics of a premixed, swirl stabilized flame. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 6067-6075	5.9	0
1	Forced flow response analysis of a turbulent swirling annular jet flame. <i>Physics of Fluids</i> , 2021 , 33, 085124.4	4.4	0

