

Alexis Giauque

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

364
citations

933447

10
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	System identification of a large-scale swirled partially premixed combustor using LES and measurements. <i>Journal of Turbulence</i> , 2005, 6, N21.	1.4	58
2	A nonlinear model for indirect combustion noise through a compact nozzle. <i>Journal of Fluid Mechanics</i> , 2013, 733, 268-301.	3.4	49
3	Large eddy simulation of piloting effects on turbulent swirling flames. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 1729-1736.	3.9	47
4	Analytical Analysis of Indirect Combustion Noise in Subcritical Nozzles. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012, 134, .	1.1	46
5	Disturbance energy transport and sound production in gaseous combustion. <i>Journal of Fluid Mechanics</i> , 2012, 707, 53-73.	3.4	46
6	Numerical error analysis with application to transonic propeller aeroacoustics. <i>Computers and Fluids</i> , 2012, 69, 20-34.	2.5	14
7	Description and application of a 2D-axisymmetric model for entropy noise in nozzle flows. <i>Journal of Sound and Vibration</i> , 2020, 472, 115163.	3.9	14
8	Direct numerical simulations of forced homogeneous isotropic turbulence in a dense gas. <i>Journal of Turbulence</i> , 2020, 21, 186-208.	1.4	13
9	Analysis of turbulence characteristics in a temporal dense gas compressible mixing layer using direct numerical simulation. <i>Journal of Fluid Mechanics</i> , 2020, 893, .	3.4	12
10	Direct numerical simulations of temporal compressible mixing layers in a Betheâ€Žel'dovichâ€ŽThompson dense gas: influence of the convective Mach number. <i>Journal of Fluid Mechanics</i> , 2021, 922, .	3.4	10
11	<i>A priori</i> analysis of subgrid-scale terms in compressible transcritical real gas flows. <i>Physics of Fluids</i> , 2021, 33, .	4.0	8
12	Validation of a Flame Transfer Function Reconstruction Method for Complex Turbulent Configurations. , 2008, , .		7
13	Thermoacoustic Shape Optimization of a Subsonic Nozzle. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013, 135, .	1.1	7
14	Numerical Assessment of Stability Criteria from Disturbance Energies in Gaseous Combustion. , 2007, , .		6
15	A Parametric Study on the LES Numerical Setup to Investigate Fan/OGV Broadband Noise. <i>International Journal of Turbomachinery, Propulsion and Power</i> , 2021, 6, 12.	1.1	6
16	Direct noise predictions of fan broadband noise using LES and analytical models. , 2022, , .		6
17	On the effects of a separation bubble on fan noise. <i>Journal of Sound and Vibration</i> , 2022, 537, 117180.	3.9	5
18	Direct numerical simulations of homogeneous isotropic turbulence in a dense gas. <i>Journal of Physics: Conference Series</i> , 2017, 821, 012017.	0.4	4

#	ARTICLE	IF	CITATIONS
19	A 2D-axisymmetric analytical model for the estimation of indirect combustion noise in nozzle flows. , 2015, , .		3
20	Analytical Analysis of Indirect Combustion Noise in Subcritical Nozzles. , 2012, , .		2
21	Transport of disturbance energy in hot and cold turbulent jets. , 2007, , .		1
22	Towards Subgrid-Scale Turbulence Modeling in Dense Gas Flows. ERCOFTAC Series, 2021, , 71-77.	0.1	0
23	Direct Numerical Simulation of Turbulent Dense Gas Flows. Lecture Notes in Mechanical Engineering, 2020, , 76-87.	0.4	0