

# Dong Yang

## List of Publications by Year in descending order

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26  
papers

371  
citations

759055

12  
h-index

794469

19  
g-index

29  
all docs

29  
docs citations

29  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame interactions in a stratified swirl burner: Flame stabilization, combustion instabilities and beating oscillations. <i>Combustion and Flame</i> , 2020, 212, 500-509.	2.8	48
2	A systematic study of nonlinear coupling of thermoacoustic modes in annular combustors. <i>Journal of Sound and Vibration</i> , 2019, 456, 137-161.	2.1	42
3	A semi-analytical model for the acoustic impedance of finite length circular holes with mean flow. <i>Journal of Sound and Vibration</i> , 2016, 384, 294-311.	2.1	37
4	The impact of the neck material on the sound absorption performance of Helmholtz resonators. <i>Journal of Sound and Vibration</i> , 2014, 333, 6843-6857.	2.1	28
5	An analytical study of the effect of flame response to simultaneous axial and transverse perturbations on azimuthal thermoacoustic modes in annular combustors. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 5279-5287.	2.4	26
6	The acoustics of short circular holes opening to confined and unconfined spaces. <i>Journal of Sound and Vibration</i> , 2017, 393, 41-61.	2.1	22
7	Optimising the acoustic damping of multiple Helmholtz resonators attached to a thin annular duct. <i>Journal of Sound and Vibration</i> , 2019, 444, 69-84.	2.1	21
8	The thermoacoustic instability in a stratified swirl burner and its passive control by using a slope confinement. <i>Energy</i> , 2020, 195, 116956.	4.5	18
9	Characteristics of Flame Modes for a Conical Bluff Body Burner With a Central Fuel Jet. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013, 135, .	0.5	17
10	Acoustic Models for Cooled Helmholtz Resonators. <i>AIAA Journal</i> , 2017, 55, 3120-3127.	1.5	16
11	Multi-bifurcation behaviors of stability regimes in a centrally staged swirl burner. <i>Physics of Fluids</i> , 2021, 33, .	1.6	16
12	Improvement of sound source localization in a finite duct using beamforming methods. <i>Applied Acoustics</i> , 2016, 103, 37-46.	1.7	13
13	The effect of inlet boundaries on combustion instability in a pressure-elevated combustor. <i>Aerospace Science and Technology</i> , 2021, 111, 106517.	2.5	13
14	Sound generation by entropy perturbations passing through a sudden flow expansion. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	12
15	The effect of an axial mean temperature gradient on communication between one-dimensional acoustic and entropy waves. <i>International Journal of Spray and Combustion Dynamics</i> , 2018, 10, 131-153.	0.4	11
16	Combustion Instabilities With Different Degrees of Premixedness in a Separated Dual-Swirl Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	11
17	Sensitivity of the Acoustics of Short Circular Holes with Bias Flow to Inlet Edge Geometries. <i>AIAA Journal</i> , 2019, 57, 4835-4844.	1.5	9
18	Modelling of sound-vortex interaction for the flow through an annular aperture. <i>Journal of Sound and Vibration</i> , 2021, 509, 116250.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Characteristics of Flame Modes for a Conical Bluff Body Burner With a Central Fuel Jet. , 2013, , .		2
20	Nonlinear effects of Helmholtz resonators with perforated ceramics at the neck. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
21	A novel acoustic network model to study the influence of mean flow and axial temperature distribution on spinning limit cycles in annular combustors. , 2017, , .		1
22	Low-frequency acoustic radiation from a flanged circular pipe at an inclined angle. Journal of the Acoustical Society of America, 2022, 151, 1142-1157.	0.5	1
23	A low frequency model for the aeroacoustic scattering of cylindrical tube rows in cross-flow. Journal of Sound and Vibration, 2022, 527, 116806.	2.1	1
24	Sound generated by axisymmetric non-plane entropy waves passing through flow contractions. International Journal of Aeroacoustics, 0, , 1475472X2211073.	0.8	1
25	A Magnus-expansion-based model for the sound generated by non-plane entropy perturbations passing through nozzles. , 2022, , .		1
26	On the sensitivity of the acoustics of short circular holes to inlet edge geometries. , 2018, , .		0