Charles Farbos de Luzan

List of Publications by Year
in descending order

23	613	1040056	839539
papers	citations	9 h-index	18 g-index

23	23	23	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotating detonation combustors and their similarities to rocket instabilities. Progress in Energy and Combustion Science, 2019, 73, 182-234.	31.2	245
2	Rotating detonation wave mechanics through ethylene-air mixtures in hollow combustors, and implications to high frequency combustion instabilities. Experimental Thermal and Fluid Science, 2018, 92, 314-325.	2.7	98
3	Longitudinal pulsed detonation instability in a rotating detonation combustor. Experimental Thermal and Fluid Science, 2016, 77, 212-225.	2.7	76
4	Hollow Rotating Detonation Combustor. , 2016, , .		32
5	A review of pollutants emissions in various pressure gain combustors. International Journal of Spray and Combustion Dynamics, 2019, 11, 175682771987072.	1.0	23
6	Computational study of false vocal folds effects on unsteady airflows through static models of the human larynx. Journal of Biomechanics, 2015, 48, 1248-1257.	2.1	22
7	Investigation of a Rotating Detonation Engine using Ethylene-Air Mixtures. , 2016, , .		22
8	Dependence of Pressure, Combustion and Frequency Characteristics on Valved Pulsejet Combustor Geometries. Flow, Turbulence and Combustion, 2018, 100, 829-848.	2.6	16
9	Rotating Detonation Combustor Research at the University of Cincinnati. Flow, Turbulence and Combustion, 2018, 101, 869-893.	2.6	13
10	Synchronization of a Pair of Opposed Facing Oscillators in a Side-by-Side Configuration. International Journal of Heat and Fluid Flow, 2020, 84, 108605.	2.4	12
11	Computational Modeling of Voice Production Using Excised Canine Larynx. Journal of Biomechanical Engineering, 2022, 144, .	1.3	9
12	Volume velocity in a canine larynx model using time-resolved tomographic particle image velocimetry. Experiments in Fluids, 2020, 61, 1.	2.4	8
13	Types of Low Frequency Instabilities in Rotating Detonation Combustors. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2019, , 197-213.	0.3	6
14	Quantification of Rotating Detonations Using OH* Chemiluminescence at Varied Widths. AIAA Journal, 2021, 59, 2457-2466.	2.6	6
15	Quantification of the Intraglottal Pressure Induced by Flow Separation Vortices Using Large Eddy Simulation. Journal of Voice, 2020, , .	1.5	5
16	Rotating Detonations through Hydrogen-Air and Ethylene-Air Mixtures in Hollow and Flow-Through Combustors. , 2021, , .		5
17	Visualization of Valved Pulsejet Combustors and Evidence of Compression Ignition. Flow, Turbulence and Combustion, 2021, 106, 901-924.	2.6	4
18	Impact of Vertical Stiffness Gradient on the Maximum Divergence Angle. Laryngoscope, 2021, 131, E1934-E1940.	2.0	4

#	Article	IF	Citations
19	Effects of False Vocal Folds on Intraglottal Velocity Fields. Journal of Voice, 2020, 35, 695-702.	1.5	3
20	Numerical Investigation of the Flow in a Coaxial Piping System. , 2014, , .		1
21	Experimental Study of Confined Turbulent Vortical Flow in a Narrow Annulus. , 2014, , .		1
22	Computational Study of the Velocity Fields and Pressure Differential in a Reynolds-Number-Sensitive Fluidic Resistor. Flow, Turbulence and Combustion, 2019, 102, 221-234.	2.6	1
23	An Exâ€vivo Model Examining Acoustics and Aerodynamic Effects Following Medialization With and Without Arytenoid Adduction. Laryngoscope, 2023, 133, 621-627.	2.0	1