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	An Exâ€vivo Model Examining Acoustics and Aerodynamic Effects Following Medialization With and Without Arytenoid Adduction. Laryngoscope, 2023, 133, 621-627.	2.0	1
2	Computational Modeling of Voice Production Using Excised Canine Larynx. Journal of Biomechanical Engineering, 2022, 144, .	1.3	9
3	Visualization of Valved Pulsejet Combustors and Evidence of Compression Ignition. Flow, Turbulence and Combustion, 2021, 106, 901-924.	2.6	4
4	Rotating Detonations through Hydrogen-Air and Ethylene-Air Mixtures in Hollow and Flow-Through Combustors. , 2021, , .		5
5	Quantification of Rotating Detonations Using OH* Chemiluminescence at Varied Widths. AIAA Journal, 2021, 59, 2457-2466.	2.6	6
6	Impact of Vertical Stiffness Gradient on the Maximum Divergence Angle. Laryngoscope, 2021, 131, E1934-E1940.	2.0	4
7	Quantification of the Intraglottal Pressure Induced by Flow Separation Vortices Using Large Eddy Simulation. Journal of Voice, 2020, , .	1.5	5
8	Volume velocity in a canine larynx model using time-resolved tomographic particle image velocimetry. Experiments in Fluids, 2020, 61, 1.	2.4	8
9	Effects of False Vocal Folds on Intraglottal Velocity Fields. Journal of Voice, 2020, 35, 695-702.	1.5	3
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 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
12	A review of pollutants emissions in various pressure gain combustors. International Journal of Spray and Combustion Dynamics, 2019, 11, 175682771987072.	1.0	23
13	Rotating detonation combustors and their similarities to rocket instabilities. Progress in Energy and Combustion Science, 2019, 73, 182-234.	31.2	245
14	Types of Low Frequency Instabilities in Rotating Detonation Combustors. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2019, , 197-213.	0.3	6
15	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
16	Dependence of Pressure, Combustion and Frequency Characteristics on Valved Pulsejet Combustor Geometries. Flow, Turbulence and Combustion, 2018, 100, 829-848.	2.6	16
17	Rotating Detonation Combustor Research at the University of Cincinnati. Flow, Turbulence and Combustion, 2018, 101, 869-893.	2.6	13
18	Longitudinal pulsed detonation instability in a rotating detonation combustor. Experimental Thermal and Fluid Science, 2016, 77, 212-225.	2.7	76

#	Article	IF	Citations
19	Hollow Rotating Detonation Combustor. , 2016, , .		32
20	Investigation of a Rotating Detonation Engine using Ethylene-Air Mixtures. , 2016, , .		22
21	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
22	Numerical Investigation of the Flow in a Coaxial Piping System. , 2014, , .		1
23	Experimental Study of Confined Turbulent Vortical Flow in a Narrow Annulus. , 2014, , .		1