

# Ephraim Gutmark

## List of Publications by Year in descending order

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323  
papers

7,253  
citations

134610

34  
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90395

73  
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324  
all docs

324  
docs citations

324  
times ranked

3233  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Face Masks Affect Acoustic and Auditory Perceptual Characteristics of the Singing Voice. <i>Journal of Voice</i> , 2023, 37, 515-521.	0.6	9
2	An Exâ€vivo Model Examining Acoustics and Aerodynamic Effects Following Medialization With and Without Arytenoid Adduction. <i>Laryngoscope</i> , 2023, 133, 621-627.	1.1	1
3	Implementation of chevrons as a noise reduction system for a supersonic tactical nozzle. , 2022, , .		1
4	Enhanced Supersonic Jet Noise Reduction using Two Array Configurations of Micro Vortex Generators. , 2022, , .		2
5	Effect of Axial Location of Micro Vortex Generators on Supersonic Jet Noise Reduction. , 2022, , .		7
6	Turbulent Statistics of a Hot, Overexpanded Rectangular Jet. <i>Journal of Propulsion and Power</i> , 2022, 38, 421-436.	1.3	8
7	Efficacy of High-Speed Strain Gauge Measurements in Analysis of Rotating Detonation Combustors. , 2022, , .		0
8	Comparison of the Thrust-Based Noise Reduction Performance between Micro-Vortex Generators and Chevrons. , 2022, , .		0
9	Effects of Screech on Jet Coupling in Twin Square Jets. , 2022, , .		0
10	Dynamic mode decomposition analysis of rotating detonation waves. <i>Shock Waves</i> , 2021, 31, 637-649.	1.0	10
11	Visualization of Valved Pulsejet Combustors and Evidence of Compression Ignition. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 901-924.	1.4	4
12	Medial Surface Dynamics as a Function of Subglottal Pressure in a Canine Larynx Model. <i>Journal of Voice</i> , 2021, 35, 69-76.	0.6	9
13	Characterization of Non-reacting Swirling Flow in a Gas Turbine Fuel Injector. , 2021, , .		0
14	Observations of DC Shift and Chugging in a Pressurized Rotating Detonation Combustor. , 2021, , .		0
15	Evaluating the biomechanical characteristics of cuffed-tracheostomy tubes using finite element analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 1-11.	0.9	1
16	Supersonic Jet Noise Reduction Using Micro Vortex Generators. , 2021, , .		3
17	Implementation of vortex generators as a noise reduction system for a faceted supersonic nozzle. , 2021, , .		2
18	Data-driven Regression Analysis of Performance Parameters in Rotating Detonation Engines. , 2021, , .		1

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19	Numerical Analysis of Isothermal Flow in Interacting Swirl-Stabilized Nozzles. <i>AIAA Journal</i> , 2021, 59, 3682-3695.	1.5	0
20	Predicting critical closing pressure in children with obstructive sleep apnea using fluid-structure interaction. <i>Journal of Applied Physiology</i> , 2021, 131, 1629-1639.	1.2	5
21	Observations of DC shift and chugging in a pressurized rotating detonation combustor. <i>Acta Astronautica</i> , 2021, 187, 362-369.	1.7	5
22	An Investigation into Flow Field Interactions between Twin Supersonic Rectangular Jets. , 2021, , .		6
23	Impact of Vertical Stiffness Gradient on the Maximum Divergence Angle. <i>Laryngoscope</i> , 2021, 131, E1934-E1940.	1.1	4
24	Influence of Material Model and Aortic Root Motion in Finite Element Analysis of Two Exemplary Cases of Proximal Aortic Dissection. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	4
25	Effects of Normal Variation in the Rotational Position of the Aortic Root on Hemodynamics and Tissue Biomechanics of the Thoracic Aorta. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 47-58.	0.7	20
26	Computational Study of Reactants Mixing in a Rotating Detonation Combustor Using Compressible RANS. <i>Flow, Turbulence and Combustion</i> , 2020, 105, 267-295.	1.4	9
27	Cold Flow Measurements of Supersonic Low Aspect Ratio Jet-Surface Interactions. <i>Flow, Turbulence and Combustion</i> , 2020, 105, 1-30.	1.4	8
28	Black-Box Modeling of Rotating Detonation Combustors and Their Injector Plena Coupling. <i>AIAA Journal</i> , 2020, 58, 5095-5106.	1.5	12
29	Quantification of the Intraglottal Pressure Induced by Flow Separation Vortices Using Large Eddy Simulation. <i>Journal of Voice</i> , 2020, , .	0.6	5
30	Hemodynamics and tissue biomechanics of the thoracic aorta with a trileaflet aortic valve at different phases of valve opening. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3345.	1.0	9
31	The generation mechanism of higher screech tone harmonics in supersonic jets. <i>Journal of Fluid Mechanics</i> , 2020, 893, .	1.4	18
32	Experimental study of a lenticular jet. <i>Experiments in Fluids</i> , 2020, 61, 1.	1.1	2
33	Using High-Speed Nasopharyngoscopy to Quantify the Bubbling Above the Velopharyngeal Valve in Cases of Nasal Rustle. <i>Cleft Palate-Craniofacial Journal</i> , 2020, 57, 637-645.	0.5	3
34	Volume velocity in a canine larynx model using time-resolved tomographic particle image velocimetry. <i>Experiments in Fluids</i> , 2020, 61, 1.	1.1	8
35	Effect of inlet and outlet boundary conditions on rotating detonation combustion. <i>Combustion and Flame</i> , 2020, 216, 300-315.	2.8	43
36	Effects of False Vocal Folds on Intraglottal Velocity Fields. <i>Journal of Voice</i> , 2020, 35, 695-702.	0.6	3

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37	Vortex breakdown of the swirling flow in a Lean Direct Injection burner. <i>Physics of Fluids</i> , 2020, 32, .	1.6	21
38	Experimental Study of Reactant Mixing in Model Rotating Detonation Combustor Geometries. <i>Flow, Turbulence and Combustion</i> , 2019, 102, 255-277.	1.4	23
39	Computational Study of the Velocity Fields and Pressure Differential in a Reynolds-Number-Sensitive Fluidic Resistor. <i>Flow, Turbulence and Combustion</i> , 2019, 102, 221-234.	1.4	1
40	Antisymmetric Oscillation Modes in Rectangular Screeching Jets. <i>AIAA Journal</i> , 2019, 57, 3422-3441.	1.5	44
41	Aortic growth rates are not increased in Turner syndrome—a prospective CMR study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1164-1170.	0.5	11
42	A review of pollutants emissions in various pressure gain combustors. <i>International Journal of Spray and Combustion Dynamics</i> , 2019, 11, 175682771987072.	0.4	23
43	Transforming the Shock Pattern of Supersonic Jets Using Fluidic Injection. <i>AIAA Journal</i> , 2019, 57, 1851-1861.	1.5	25
44	Rotating detonation combustors and their similarities to rocket instabilities. <i>Progress in Energy and Combustion Science</i> , 2019, 73, 182-234.	15.8	245
45	Measuring Rotating Detonation Combustion Using Cross-Correlation. <i>Flow, Turbulence and Combustion</i> , 2019, 103, 271-292.	1.4	16
46	Elimination of Shock-Associated Noise in Supersonic Jets by Destructive Wave Interference. <i>AIAA Journal</i> , 2019, 57, 720-734.	1.5	3
47	Near-field Measurements of a Low Aspect Ratio Supersonic Nozzle Interacting with a Surface. , 2019, , .		2
48	Types of Low Frequency Instabilities in Rotating Detonation Combustors. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2019, , 197-213.	0.2	6
49	How design characteristics of tracheostomy tubes affect the cannula and tracheal flows. <i>Laryngoscope</i> , 2019, 129, 1791-1799.	1.1	11
50	Rotating Detonations and Spinning Detonations: Similarities and Differences. <i>AIAA Journal</i> , 2018, 56, 1717-1722.	1.5	18
51	Parametric Study of Alternating Flow Patterns in Non-Reacting Multiple-Swirl Flows. <i>Flow, Turbulence and Combustion</i> , 2018, 100, 437-455.	1.4	7
52	A review of cavity-based trapped vortex, ultra-compact, high-g, inter-turbine combustors. <i>Progress in Energy and Combustion Science</i> , 2018, 66, 42-82.	15.8	220
53	Elimination of Shock Associated Noise in Supersonic Jets by Destructive Wave Interference. , 2018, , .		3
54	High Temperature Supersonic Flow Measurements of a Rectangular Jet Exhausting over a Flat Surface. , 2018, , .		5

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55	Dependence of Pressure, Combustion and Frequency Characteristics on Valved Pulsejet Combustor Geometries. <i>Flow, Turbulence and Combustion</i> , 2018, 100, 829-848.	1.4	16
56	Impaired aortic distensibility and elevated central blood pressure in Turner Syndrome: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 80.	1.6	25
57	Biomechanics of the soft-palate in sleep apnea patients with polycystic ovarian syndrome. <i>Journal of Biomechanics</i> , 2018, 76, 8-15.	0.9	11
58	Rotating Detonation Combustor Research at the University of Cincinnati. <i>Flow, Turbulence and Combustion</i> , 2018, 101, 869-893.	1.4	13
59	Examination of Counter-Rotating Detonation Waves Using Cross-Correlation. , 2018, , .		7
60	Parametric Study of Alternating Flow Patterns in Non-Reacting Multiple-Swirl Flows. , 2017, , .		0
61	Nearfield Characterization of Low Supersonic Single Expansion Ramp Nozzles with Extended Ramps. , 2017, , .		7
62	Similarity Spectra Analysis in Highly Heated Supersonic Jets Using Large-Eddy Simulations. , 2017, , .		9
63	Flow Measurements from a Supersonic Rectangular Nozzle Exhausting Over a Flat Surface. , 2017, , .		11
64	Amplitude modulated instability in reactants plenum of a rotating detonation combustor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12629-12644.	3.8	61
65	Dependence of Film Cooling Effectiveness on Three-Dimensional Printed Cooling Holes. <i>Journal of Heat Transfer</i> , 2017, 139, .	1.2	7
66	Helical Screech Tone Generation in an Overexpanded Jet. , 2017, , .		4
67	Effect of airflow and material models on tissue displacement for surgical planning of pharyngeal airways in pediatric down syndrome patients. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 122-135.	1.5	9
68	Experimental Study of Reactants Mixing in Model Rotating Detonation Engine Geometries. , 2017, , .		1
69	Plasma-assisted Rotating Detonation Combustor Operation. , 2017, , .		4
70	Flow Statistics and Noise of Ideally Expanded Supersonic Rectangular and Circular Jets. <i>AIAA Journal</i> , 2017, 55, 3425-3439.	1.5	26
71	Measurements and Analysis of Alternating Flow Patterns in a Multinozzle Combustor. <i>AIAA Journal</i> , 2017, 55, 161-170.	1.5	2
72	Dynamic Volume Computed Tomography Imaging of the Upper Airway in Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 189-196.	1.4	26

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73	Upper Airway Reflexes are Preserved During Dexmedetomidine Sedation in Children With Down Syndrome and Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 721-727.	1.4	22
74	Effect of vocal fold asymmetries on glottal flow. <i>Laryngoscope</i> , 2016, 126, 2534-2538.	1.1	16
75	Experimental Investigation of Flow Instability in a Turbocharger Ported Shroud Compressor. <i>Journal of Turbomachinery</i> , 2016, 138, .	0.9	24
76	Acoustics from a rectangular supersonic nozzle exhausting over a flat surface. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 4130-4141.	0.5	30
77	Coronary artery anomalies in Turner Syndrome. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 480-484.	0.7	32
78	Effects of Temperature on Noise Generation in Supersonic Jets. , 2016, , .		8
79	Computational Modeling of Airway Obstruction in Sleep Apnea in Down Syndrome. <i>Otolaryngology - Head and Neck Surgery</i> , 2016, 155, 184-187.	1.1	18
80	Longitudinal pulsed detonation instability in a rotating detonation combustor. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 212-225.	1.5	76
81	Effect of Nozzle Spacing on Nitrogen-Oxide Emissions and Lean Operability. <i>AIAA Journal</i> , 2016, 54, 1953-1961.	1.5	8
82	PIV measurements of the flow at the inlet of a turbocharger centrifugal compressor with recirculation casing treatment near the inducer. <i>Experiments in Fluids</i> , 2016, 57, 1.	1.1	17
83	Hollow Rotating Detonation Combustor. , 2016, , .		32
84	Analysis of Combustion Oscillations in a Staged MLDI Burner using Decomposition Methods and Recurrence Analysis. , 2016, , .		9
85	Effects of Axial Stretch on the Flame Propagation Enhancement of Large Hydrocarbons by Addition of Ozone. , 2016, , .		1
86	Starting Transients and Detonation Onset Behavior in a Rotating Detonation Combustor. , 2016, , .		6
87	Acoustic Signature of a Supersonic Jet Emanating from a Rectangular C-D Nozzle. , 2016, , .		2
88	A Correlation-Based Method to Quantify the Operating State in a Rotating Detonation Combustor. , 2016, , .		18
89	Impact of Scale on the Acoustics from a Conical C-D Nozzle Interacting with a Flat Surface. , 2016, , .		6
90	Effect of Nozzle Spacing on NOx Emissions and Lean Operability. , 2016, , .		3

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91	Upper Airway Elasticity Estimation in Pediatric Down Syndrome Sleep Apnea Patients Using Collapsible Tube Theory. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1538-1552.	1.3	17
92	Thermoacoustic Coupling in a Multinozzle Staged Combustor. <i>Journal of Propulsion and Power</i> , 2016, 32, 856-868.	1.3	3
93	Numerical investigation of injection within an axisymmetric rotating detonation engine. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2052-2063.	3.8	30
94	Three-dimensional, numerical investigation of reactant injection variation in a H <sub>2</sub> /air rotating detonation engine. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5162-5175.	3.8	36
95	Shock-Initiated Combustion in an Airbreathing, Pulse Detonation Engine-Crossover System. <i>AIAA Journal</i> , 2016, 54, 936-949.	1.5	14
96	Efficacy of Acoustics in Determining the Operating Mode of a Rotating Detonation Engine. , 2016, , .		9
97	Optimization of a multiple pulse detonation engine-crossover system. <i>Applied Thermal Engineering</i> , 2016, 96, 463-472.	3.0	12
98	Investigation of rotating detonation combustor operation with H <sub>2</sub> -Air mixtures. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1281-1292.	3.8	133
99	Compliance Measurements of the Upper Airway in Pediatric Down Syndrome Sleep Apnea Patients. <i>Annals of Biomedical Engineering</i> , 2016, 44, 873-885.	1.3	13
100	Analysis of air inlet and fuel plenum behavior in a rotating detonation combustor. <i>Experimental Thermal and Fluid Science</i> , 2016, 70, 408-416.	1.5	60
101	Load and Response Prediction Using Numerical Methods in Acoustic Fatigue. <i>Journal of Aircraft</i> , 2016, 53, 406-415.	1.7	3
102	Effects of aortic irregularities on blood flow. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 345-360.	1.4	35
103	Continuous measurement of aortic dimensions in Turner syndrome: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 20.	1.6	15
104	Experimental Study on the Interaction between Swirl-stabilized Nozzles for Isothermal Flowfields. , 2015, , .		1
105	High-Speed Imaging of Combustion Oscillations in a Multiple Nozzle Staged Combustor. , 2015, , .		1
106	Comparison of glottal flow rate characteristics based on experimental and computational data. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2427-2429.	0.5	2
107	Characterization of Shock Wave Transfer in a Pulse Detonation Engine-Crossover System. <i>AIAA Journal</i> , 2015, 53, 3674-3685.	1.5	6
108	Statistical Treatment of Wave Instability in Rotating Detonation Combustors. , 2015, , .		11

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109	Optical Measurements of Interacting Lean Direct Injection Fuel Nozzles With Varying Spacing. , 2015, , .		7
110	Experimental Investigation of H2-Air Mixtures in a Rotating Detonation Combustor. , 2015, , .		9
111	Direct measurement of planar flow rate in an excised canine larynx model. Laryngoscope, 2015, 125, 383-388.	1.1	12
112	Shock Transfer and Shock-Initiated Detonation in a Dual Pulse Detonation Engine/Crossover System. AIAA Journal, 2015, 53, 132-139.	1.5	11
113	Numerical Study of Noise Characteristics in Overexpanded Jet Flows. , 2015, , .		14
114	Experimental Study of a Multinozzle Combustor at Elevated Pressures. AIAA Journal, 2015, 53, 986-1001.	1.5	9
115	Development of a Rotating Detonation Engine Facility at the University of Cincinnati. , 2015, , .		26
116	Intraglottal velocity and pressure measurements in a hemilarynx model. Journal of the Acoustical Society of America, 2015, 137, 935-943.	0.5	16
117	Computational study of false vocal folds effects on unsteady airflows through static models of the human larynx. Journal of Biomechanics, 2015, 48, 1248-1257.	0.9	22
118	The effects of hydrodynamic stretch on the flame propagation enhancement of ethylene by addition of ozone. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140339.	1.6	15
119	Noise Control of Supersonic Jet with Steady and Flapping Fluidic Injection. AIAA Journal, 2015, 53, 3251-3272.	1.5	28
120	Characterization of instabilities in a Rotating Detonation Combustor. International Journal of Hydrogen Energy, 2015, 40, 16649-16659.	3.8	172
121	Stereoscopic PIV measurements and numerical simulation of turbulent flow of liquid passing through rectangular apertures in a narrow annulus: influence of aperture shape on velocity field. , 2015, , .		1
122	Numerical Flow Analysis of a Centrifugal Compressor with Ported and without Ported Shroud. , 2014, , .		16
123	Intraglottal geometry and velocity measurements in canine larynges. Journal of the Acoustical Society of America, 2014, 135, 380-388.	0.5	34
124	Near-Field and Far-Field Spectral Analysis of Supersonic Jet with and without Fluidic Injection. , 2014, , .		2
125	Computational Study of the Impact of Chevrons on Noise Characteristics of Imperfectly Expanded Jet Flows. , 2014, , .		4
126	Bleed Slot Benefits on Turbocharger Centrifugal Compressor Stability. , 2014, , .		2



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127	Numerical Investigation of the Flow in a Coaxial Piping System. , 2014, , .		1
128	Characterization of Supersonic Jet Noise Production and Methods for its Suppression. , 2014, , .		0
129	Exploration of temperature effects on the far-field acoustic radiation from a supersonic jet. , 2014, , .		0
130	Computational Analysis of Existing and Altered Rotating Detonation Engine Inlet Designs. , 2014, , .		3
131	Numerical Study of Noise Sources Characteristics in An Underexpanded Jet Flow. , 2014, , .		16
132	Direct simultaneous measurement of intraglottal geometry and velocity fields in excised larynges. Laryngoscope, 2014, 124, S1-13.	1.1	26
133	Pediatric Sleep-Related Breathing Disorders: Advances in imaging and computational modeling.. IEEE Pulse, 2014, 5, 33-39.	0.1	8
134	Characterization of the Vocal Fold Vertical Stiffness in a Canine Model. Journal of Voice, 2014, 28, 297-304.	0.6	33
135	Impact of Heat on the Pressure Skewness and Kurtosis in Supersonic Jets. AIAA Journal, 2014, 52, 777-787.	1.5	25
136	Fluidic Injection on a Supersonic Jet at Various Mach Numbers. AIAA Journal, 2014, 52, 293-306.	1.5	23
137	Numerical investigation of mass transport through patient-specific deformed aortae. Journal of Biomechanics, 2014, 47, 544-552.	0.9	16
138	The Role of Nozzle Contour on Supersonic Jet Thrust and Acoustics. AIAA Journal, 2014, 52, 2594-2614.	1.5	11
139	Intraglottal pressure distribution computed from empirical velocity data in canine larynx. Journal of Biomechanics, 2014, 47, 1287-1293.	0.9	35
140	Numerical investigation of airflow in an idealized human extra-thoracic airway: a comparison study. Biomechanics and Modeling in Mechanobiology, 2014, 13, 205-214.	1.4	10
141	Flame Dynamics in a Multi-Nozzle Staged Combustor During High Power Operation. , 2014, , .		4
142	Experimental Study of Confined Turbulent Vortical Flow in a Narrow Annulus. , 2014, , .		1
143	OH-PLIF Studies in a LDI Swirl-Stabilized Combustor. , 2014, , .		1
144	An Example of the Role of Basic Science Research to Inform the Treatment of Unilateral Vocal Fold Paralysis. Perspectives on Voice and Voice Disorders, 2014, 24, 37-50.	0.3	4

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145	Planning human upper airway surgery using computational fluid dynamics. <i>Journal of Biomechanics</i> , 2013, 46, 1979-1986.	0.9	61
146	Near- and Far-Field Pressure Skewness and Kurtosis in Heated Supersonic Jets From Round and Chevron Nozzles. , 2013, , .		7
147	Experimental Investigation of Flow Instability in a Turbocharger Ported Shroud Compressor. , 2013, , .		1
148	Experimental Study of Sustained Shock Initiated Detonation in a Multiple Pulse Detonation-Crossover System. , 2013, , .		5
149	The Response of Supersonic Jet Noise Components to Fluidic Injection Parameters. , 2013, , .		7
150	Impact of Deck and Jet Blast Deflector on the Flow and Acoustic Properties of Imperfectly Expanded Supersonic Jets. , 2013, , .		29
151	Computational Study of Shock-Associated Noise Characteristics Using LES. , 2013, , .		11
152	OH* Chemiluminescence in a Multipoint Combustion System: Steady State and Limit Cycle Behavior. , 2013, , .		5
153	A Comprehensive Investigation of Pulsed Fluidic Injection for Active Control of Supersonic Jet Noise. , 2013, , .		8
154	Supersonic Turbojet Noise Reduction. <i>International Journal of Aeroacoustics</i> , 2013, 12, 215-243.	0.8	5
155	An Adverse Effect of Positive Airway Pressure on the Upper Airway Documented With Magnetic Resonance Imaging. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 636.	1.2	14
156	Supersonic Jet Noise Reduction Using Steady Injection and Flapping Injection. , 2013, , .		2
157	Large Eddy Simulations of Microjets Impact on Supersonic Jet Exiting a C-D Conical Nozzle. , 2013, , .		2
158	Investigation of the Surge Phenomena in a Centrifugal Compressor Using Large Eddy Simulation. , 2013, , .		10
159	Analyzing the impact of the inlet temperature on the acoustic noise production form a supersonic jet using large eddy simulations. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	2
160	Relationship between divergence angle and skewing of the volumetric flow rate in an excised canine larynx model without a vocal tract. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
161	Effect of Nozzle-exit Flow Conditions on the Flow and Acoustic Properties of Imperfectly Expanded Supersonic Jets. , 2012, , .		6
162	Nozzle Throat Optimization on Acoustics and Performance of a Supersonic Jet. , 2012, , .		6

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163	Trends in Pulsating Turbine Performance: Pulse-Detonation Driven Axial Flow Turbine. , 2012, , .		2
164	Nozzle throat optimization for supersonic jet noise reduction. , 2012, , .		10
165	Dual Crossover Dual Shock Ignition of a Pulse Detonation Engine. , 2012, , .		3
166	Experimental Study of Shock Transfer in a Multiple Pulse Detonation-Crossover System. , 2012, , .		5
167	Vortex Breakdown in a Swirl-Stabilized Combustor. Journal of Propulsion and Power, 2012, 28, 1037-1051.	1.3	20
168	Parametric Study of Direct Detonation Initiation from Shock Transfer Through a Crossover Tube. , 2012, , .		6
169	Large Eddy Simulation of the Unsteady Flow in a Radial Compressor Operating Near Surge. Journal of Turbomachinery, 2012, 134, .	0.9	26
170	The Impact of Heat on the Near and Far-Field Pressure Skewness in Supersonic Jets. , 2012, , .		0
171	Active Suppression of Supersonic Jet Noise Using Pulsating Micro-Jets. , 2012, , .		10
172	Tertiary Flow Effects on a Co-axial Ducted Jet. , 2012, , .		0
173	Techniques for Supersonic Turbojet Noise Reduction. , 2012, , .		0
174	Airframe Installation Effects on the Jet Exhausting a Coaxial Nozzle System of a Gas Turbine Engine. , 2012, , .		0
175	Proper Orthogonal Decomposition for Experimental Investigation of Flame Instabilities. AIAA Journal, 2012, 50, 1843-1854.	1.5	33
176	Acoustic Effect of Chevrons on Supersonic Jets Exiting Conical Convergent-Divergent Nozzles. AIAA Journal, 2012, 50, 2336-2350.	1.5	29
177	Experimental and Numerical Investigation of a Supersonic Convergent-Divergent Nozzle. AIAA Journal, 2012, 50, 1462-1475.	1.5	6
178	PIV investigation of the flow induced by a passive surge control method in a radial compressor. Experiments in Fluids, 2012, 53, 619-635.	1.1	33
179	Dynamic Features and their Propagation in a Centrifugal Compressor Housing with Ported Shroud. , 2012, , .		4
180	PIV Measurements of Flow in Recirculation Cavities at the Inlet of a Centrifugal Compressor. , 2012, , .		0

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181	Fluidic Enhancement of Mechanical Chevrons using Novel Schemes. , 2012, , .		1
182	Surface Streamer Discharge for Plasma Flow Control Using Nanosecond Pulsed Power. IEEE Transactions on Plasma Science, 2011, 39, 2072-2073.	0.6	12
183	Experimental and Numerical Study of Jets from Elliptic Nozzles with Conic Plug. AIAA Journal, 2011, 49, 554-564.	1.5	11
184	Large-Eddy Simulations of a Supersonic Heated Jet. , 2011, , .		5
185	Fluidic Injection Effects on Acoustics of a Supersonic Jet at Various Mach Numbers. , 2011, , .		7
186	Instability Process in Synthetic Jets. , 2011, , .		0
187	A Study of Lean Direct-Injection Flames through Simultaneous PIV and OH* Chemiluminescence. , 2011, , .		1
188	LES investigation and sensitivity analysis of the flow dynamics in a gas turbine swirl combustor. , 2011, , .		1
189	Surge Investigation in a Centrifugal Compressor by Stereoscopic PIV. , 2011, , .		2
190	Comparative Numerical and Experimental Study of Pulse Detonation Initiation Through Crossover Shock. , 2011, , .		9
191	Large Eddy Simulation of the pharyngeal airflow associated with Obstructive Sleep Apnea Syndrome at pre and post-surgical treatment. Journal of Biomechanics, 2011, 44, 2221-2228.	0.9	69
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