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List of Publications by Year in descending order

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66
papers

522
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66
all docs

66
docs citations

66
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of counterflow jet on the performance of a generic rocket. Acta Astronautica, 2021, 182, 219-229.	1.7	8
2	Full-Field Pressure and Strain Measurement Technique Using a Dual-Layer Luminescent Coating. AIAA Journal, 2021, 59, 1517-1527.	1.5	2
3	Minimum drag and heating 0.3-caliber projectile nose geometry. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 1990-2000.	1.1	3
4	Computational investigation of axi-symmetric plume induced flow separation. Acta Astronautica, 2019, 160, 106-115.	1.7	3
5	A numerical analysis of projectile nose geometry including sliding friction for penetration into geological targets. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 284-304.	1.1	5
6	Frequency analysis of oblique shock wave boundary layer interaction. , 2017, , .		2
7	Flow Characteristics of Axisymmetric Cavity. , 2017, , .		1
8	Intake Flow Analysis of a Pulsed Detonation Engine. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	0
9	On the streamwise and normal vortices forming on plates with spanwise periodic cambering. Aerospace Science and Technology, 2016, 58, 453-466.	2.5	0
10	An improved instantaneous laser Doppler velocity system. Measurement Science and Technology, 2016, 27, 025302.	1.4	1
11	Three component LDV probe for AFRL-TGF for SWBLI Studies. , 2016, , .		0
12	Characteristics of time-varying intracranial pressure on blood flow through cerebral artery: A fluid-structure interaction approach. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 111-121.	1.0	6
13	Volumetric Three-Component Measurements of Air Jet Flows of Different Diffuser Designs. , 2015, , .		0
14	Experimental study of co-annular jet subjected to transverse disturbances. Experimental Thermal and Fluid Science, 2015, 66, 53-62.	1.5	2
15	Numerical and Experimental Analysis of Projectile Nose Geometry. Journal of Spacecraft and Rockets, 2015, 52, 1515-1519.	1.3	5
16	Conceptual redesign of the B-1B bomber inlets for improved supersonic performance. Aerospace Science and Technology, 2015, 45, 476-483.	2.5	7
17	Redesign of the B-1B Bomber Inlets for Improved Supersonic Performance. , 2014, , .		0
18	Interplanetary Nuclear Thermal Propulsion Shuttle. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	A borescopic laser Doppler velocimetry probe. Measurement Science and Technology, 2014, 25, 075206.	1.4	1
20	Design and Applications of a Sharp Focusing Schlieren System. , 2014, , .		0
21	Borescopic Laser Doppler Velocimetry Probe. , 2014, , .		0
22	Computational Analysis of Diffuser Performance for Subsonic Aerodynamic Research Laboratory Wind Tunnel. Engineering Applications of Computational Fluid Mechanics, 2013, 7, 419-432.	1.5	7
23	Study of unsteadiness of shock wave boundary layer interaction using Rainbow Schlieren Deflectometry and Proper Orthogonal Decomposition. , 2013, , .		4
24	Experimental Study of a Circular Jet Spreading Rate due to a Secondary Jet. , 2012, , .		0
25	Effect of Geometric Modifications on the Flow Field of a Turret. , 2012, , .		1
26	Comparative Analysis of Velocity Decomposition Methods for Internal Combustion Engines. Open Journal of Fluid Dynamics, 2012, 02, 70-90.	0.3	4
27	Inquiry Based Engineering Labs Predict Student Success. , 2011, , .		0
28	Unsteady Flow Analysis in a Fired Briggs-Stratton Internal Combustion Engine. , 2011, , .		0
29	On the Penetrator Nose Drag Measurements. , 2010, , .		1
30	Measurement and Analysis of Unsteady Flows in IC Engines. , 2010, , .		0
31	Living Learning Labs: A Component of the University of Alabama's Engineering Math Advancement Program. , 2010, , .		0
32	Localized Flow Control Using Counterflow Jets in High Speed Flows. , 2009, , .		0
33	Supersonic, variable-throat, blow-down wind tunnel control using genetic algorithms, neural networks, and gain scheduled PID. Applied Intelligence, 2008, 29, 79-89.	3.3	25
34	Experimental transport-rate budgets in complex 3-D turbulent flow near a wing/body junction. International Journal of Heat and Fluid Flow, 2008, 29, 874-890.	1.1	3
35	Experimental Measurement of Density, Pressure and Temperature Fields in a Supersonic Free Jet Using Rainbow Schlieren Deflectometry. , 2008, , .		2
36	Experimental and Numerical Investigation of Shock Attenuation Using Supersonic Counter Flow Jets. , 2008, , .		0

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37	Experimental Investigation of Shock Wave Attenuation/Control Using a Counterflow Jet. , 2008, , .		1
38	Movable fiber probe for gas-phase laser-induced breakdown spectroscopy. Applied Optics, 2008, 47, G88.	2.1	7
39	Laser Ignition and Laser Induced Breakdown Spectroscopy In Engines Using Hollow Core Fiber Delivery. , 2008, , .		0
40	Influence of Passive Flow-Control Devices on the Pressure Fluctuations at Wing-Body Junction Flows. Journal of Fluids Engineering, Transactions of the ASME, 2007, 129, 1030-1037.	0.8	10
41	A miniature three-component LDV probe. Measurement Science and Technology, 2007, 18, 2014-2020.	1.4	11
42	Miniature rainbow schlieren deflectometry system for quantitative measurements in microjets and flames. Applied Optics, 2007, 46, 2954.	2.1	14
43	Fiber-Optic Spark Delivery for Gas-Phase Laser-Induced Breakdown Spectroscopy. Applied Spectroscopy, 2007, 61, 1338-1343.	1.2	16
44	A miniature 3-simultaneous velocity component LDV probe. , 2007, , .		0
45	Experimental study of a round jet impinging on a convex cylinder. Measurement Science and Technology, 2007, 18, 1800-1810.	1.4	14
46	SR-30 turbojet engine real-time sensor health monitoring using neural networks, and Bayesian belief networks. Applied Intelligence, 2007, 26, 251-265.	3.3	5
47	Jet-Engine Health Monitoring and Operation Using Fuzzy-Logic Controllers and Bayesian Belief Network. , 2006, , .		1
48	Model Diagnostics of Jet Engines. , 2006, , .		1
49	Soft computing applications on a SR-30 turbojet engine. Fuzzy Sets and Systems, 2006, 157, 3007-3024.	1.6	20
50	Some features of a turbulent wingâ€“body junction vortical flow. International Journal of Heat and Fluid Flow, 2006, 27, 980-993.	1.1	21
51	Octant analysis based structural relations for three-dimensional turbulent boundary layers. Physics of Fluids, 2006, 18, 025106.	1.6	9
52	A spark-plug LDV probe for in-cylinder flow analysis of production IC engines. Measurement Science and Technology, 2005, 16, 2038-2047.	1.4	15
53	High-intensity rocket noise: Nonlinear propagation, atmospheric absorption, and characterization. Journal of the Acoustical Society of America, 2005, 117, 578-591.	0.5	49
54	Spark-Plug LDV Probe for In-Cylinder Flow Analysis of Production IC Engines. , 2005, , .		0

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55	A miniature laser-Doppler velocimeter for simultaneous three-velocity-component measurements. Measurement Science and Technology, 2004, 15, 2075-2082.	1.4	17
56	A Testbed for Evaluating Soft Computing Technologies for Rocket Engine Control. , 2004, , .		1
57	Some Reynolds number effects on two- and three-dimensional turbulent boundary layers. Experiments in Fluids, 2001, 31, 219-228.	1.1	11
58	Some Structural Features of Pressure-Driven Three-Dimensional Turbulent Boundary Layers from Experiments. ICASE/LaRC Interdisciplinary Series in Science and Engineering, 1999, , 223-243.	0.1	0
59	A five-velocity-component laser-Doppler velocimeter for measurements of a three-dimensional turbulent boundary layer. Measurement Science and Technology, 1995, 6, 702-716.	1.4	33
60	An experimental study of a three-dimensional pressure-driven turbulent boundary layer. Journal of Fluid Mechanics, 1995, 290, 225-262.	1.4	94
61	Influence of Wing Shapes on Surface Pressure Fluctuations at Wing-Body Junctions. AIAA Journal, 1994, 32, 6-15.	1.5	48
62	Evaluation of algebraic eddy-viscosity models in three-dimensional turbulent boundary-layer flows. AIAA Journal, 1993, 31, 1545-1554.	1.5	15
63	Influence of wing shapes on the surface pressure fluctuations of a wing-body junction. , 1992, , .		0
64	Spectral measurements and other features of separating turbulent flows. AIAA Journal, 1990, 28, 446-452.	1.5	8
65	Measurements of turbulent flow behind a wing-body junction. AIAA Journal, 1988, 26, 494-496.	1.5	8
66	Suction effects on transitional bubbles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110086.	0.7	0