

Mark P Wernet

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

878
citations

933447

10
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of the oscillatory flow structure of tone-producing supersonic impinging jets. Journal of Fluid Mechanics, 2005, 542, 115.	3.4	160
2	Establishing Consensus Turbulence Statistics for Hot Subsonic Jets. , 2010, , .		90
3	Temporally resolved PIV for space-time correlations in both cold and hot jet flows. Measurement Science and Technology, 2007, 18, 1387-1403.	2.6	89
4	An Investigation of Surge in a High-Speed Centrifugal Compressor Using Digital PIV. Journal of Turbomachinery, 2001, 123, 418-428.	1.7	70
5	Symmetric phase only filtering: a new paradigm for DPIV data processing. Measurement Science and Technology, 2005, 16, 601-618.	2.6	67
6	Particle displacement tracking technique and Cramer-Rao lower bound error in centroid estimates from CCD imagery. Experiments in Fluids, 1993, 15-15, 295-307.	2.4	61
7	Measurements of Aeroacoustic Sound Sources in Turbulent Jets. , 2003, , .		59
8	Turbulence Associated with Broadband Shock Noise in Hot Jets. , 2008, , .		47
9	Application of DPIV to study both steady state and transient turbomachinery flows. Optics and Laser Technology, 2000, 32, 497-525.	4.6	41
10	Validating Large-Eddy Simulation for Jet Aeroacoustics. Journal of Propulsion and Power, 2012, 28, 226-235.	2.2	29
11	Characterization of the tip clearance flow in an axial compressor using 3-D digital PIV. Experiments in Fluids, 2005, 39, 743-753.	2.4	27
12	A flow field investigation in the diffuser of a high-speed centrifugal compressor using digital particle imaging velocimetry. Measurement Science and Technology, 2000, 11, 1007-1022.	2.6	26
13	Application of Tomo-PIV in a large-scale supersonic jet flow facility. Experiments in Fluids, 2016, 57, 1.	2.4	20
14	PIV and Rotational Raman-Based Temperature Measurements for CFD Validation in a Single Injector Cooling Flow. , 2018, , .		14
15	PIV and Rotational Raman-Based Temperature Measurements for CFD Validation of a Perforated Plate Cooling Flow: Part I. , 2020, , .		12
16	Stereo viewing 3-component, planar PIV utilizing fuzzy inference. , 1996, , .		11
17	Noise of Internally Mixed Exhaust Systems With External Plug For Supersonic Transport Applications. , 2021, , .		10
18	Real-time background oriented schlieren with self-illuminated speckle background. Measurement Science and Technology, 2020, 31, 017001.	2.6	9

#	ARTICLE	IF	CITATIONS
19	A high temperature seeding technique for particle image velocimetry. Measurement Science and Technology, 2016, 27, 125201.	2.6	8
20	Rotational Raman-based temperature measurements in a high-velocity, turbulent jet. Measurement Science and Technology, 2018, 29, 015205.	2.6	8
21	Raman temperature and density measurements in supersonic jets. Experiments in Fluids, 2021, 62, 61.	2.4	7
22	Dissection of surge in a high speed centrifugal compressor using digital PIV. , 1999, , .		6
23	Validating PIV Measurements in Supersonic Jets Using Shadowgraph Optical Imaging. , 2011, , .		3
24	Velocity, Temperature and Density Measurements in Supersonic Jets. , 2021, , .		3
25	PIV and Rotational Raman-Based Temperature Measurements for CFD Validation of a Perforated Plate Cooling Flow: Part II. , 2022, , .		1