

Julio Soria

List of Publications by Year in descending order

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246
papers

6,834
citations

66250

44
h-index

90395

73
g-index

256
all docs

256
docs citations

256
times ranked

4130
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Drainage Cannula Design to Reduce Thrombosis in Venous-Arterial Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2022, 68, 205-213.	0.9	12
2	Turbulent cylinder-stirred flow heat and momentum transfer research in batch operated single-phase square reactor. <i>International Journal of Thermal Sciences</i> , 2022, 172, 107325.	2.6	3
3	Influence of Eddy Viscosity on Linear Modeling of Self-Similar Coherent Structures in the Jet Far Field. , 2022, , .		5
4	Combining experimental and computational techniques to understand and improve dry powder inhalers. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 59-73.	2.4	8
5	Unraveling the Kinematics of Sperm Motion by Reconstructing the Flagellar Wave Motion in 3D. <i>Small Methods</i> , 2022, 6, e2101089.	4.6	10
6	Investigating Shear-Layer Instabilities in Supersonic Impinging Jets Using Dual-Time Particle Image Velocimetry. <i>AIAA Journal</i> , 2022, 60, 3749-3759.	1.5	3
7	In-vitro and particle image velocimetry studies of dry powder inhalers. <i>International Journal of Pharmaceutics</i> , 2021, 592, 119966.	2.6	18
8	The generation of screech tones by shock leakage. <i>Journal of Fluid Mechanics</i> , 2021, 908, .	1.4	26
9	Intermittent modal coupling in screeching underexpanded circular twin jets. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	1.4	15
10	On the Use of Computational Fluid Dynamics (CFD) Modelling to Design Improved Dry Powder Inhalers. <i>Pharmaceutical Research</i> , 2021, 38, 277-288.	1.7	13
11	Simulation and characterization of the laminar separation bubble over a NACA-0012 airfoil as a function of angle of attack. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	15
12	Flagellar energetics from high-resolution imaging of beating patterns in tethered mouse sperm. <i>ELife</i> , 2021, 10, .	2.8	19
13	Linear modelling of self-similar jet turbulence. <i>Journal of Fluid Mechanics</i> , 2021, 919, .	1.4	6
14	CRISPs Function to Boost Sperm Power Output and Motility. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 693258.	1.8	7
15	Distortion correction of two-component two-dimensional PIV using a large imaging sensor with application to measurements of a turbulent boundary layer flow at $Re_{\text{au}} = 2386$. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	1
16	Particle Image Velocimetry Measurements of a Dry Powder Inhaler Flow. <i>International Symposium on Particle Image Velocimetry</i> , 2021, 1, .	0.1	1
17	On assuring the accurate parallel alignment of a laser sheet for planar and stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	0
18	Investigation of large scale motions in zero and adverse pressure gradient turbulent boundary layers using high-spatial-resolution particle image velocimetry. <i>Experimental Thermal and Fluid Science</i> , 2021, 129, 110469.	1.5	5

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19	Influence of nozzle external geometry on wavepackets in under-expanded supersonic impinging jets. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	1.4	5
20	Analysis of a drag reduced flat plate turbulent boundary layer via uniform momentum zones. <i>Aerospace Science and Technology</i> , 2020, 96, 105552.	2.5	20
21	Near and far field laminar flow structures in an axisymmetric zero-net-mass-flux jet. <i>Aerospace Science and Technology</i> , 2020, 105, 105920.	2.5	6
22	Investigation of the Low-Frequency Oscillations in the Flowfield About an Airfoil. <i>AIAA Journal</i> , 2020, 58, 4271-4286.	1.5	9
23	Analysis of the spanwise extent and time persistence of uniform momentum zones in zero pressure gradient and adverse pressure gradient turbulent boundary layers. <i>Journal of Physics: Conference Series</i> , 2020, 1522, 012013.	0.3	2
24	Effect of limited near-wall inlet data on the direct numerical simulation of turbulent channel flow. <i>Journal of Physics: Conference Series</i> , 2020, 1522, 012019.	0.3	1
25	Characteristics of acoustic and hydrodynamic waves in under-expanded supersonic impinging jets. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	13
26	Assessment of three-dimensional density measurements from tomographic background-oriented schlieren (BOS). <i>Measurement Science and Technology</i> , 2020, 31, 114002.	1.4	18
27	Characterisation of uniform momentum zones in adverse pressure gradient turbulent boundary layers. <i>Experimental Thermal and Fluid Science</i> , 2020, 115, 110080.	1.5	6
28	Measurement and analysis of the shear layer instabilities in supersonic impinging jets. , 2020, , .		2
29	Application of a POD-Galerkin based method to time resolved and time unresolved data for the determination of the Convective Velocity of Large-Scale Coherent Structures in High Speed Flows. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108647.	1.1	3
30	Analysis of the factors contributing to the skin friction coefficient in adverse pressure gradient turbulent boundary layers and their variation with the pressure gradient. <i>International Journal of Heat and Fluid Flow</i> , 2020, 82, 108531.	1.1	6
31	Receptivity characteristics of under-expanded supersonic impinging jets. <i>Journal of Fluid Mechanics</i> , 2020, 889, .	1.4	19
32	A novel 4D digital holographic PIV/PTV (4D-DHPIV/PTV) methodology using iterative predictive inverse reconstruction. <i>Measurement Science and Technology</i> , 2020, 31, 104002.	1.4	8
33	Volumetric measurements of a self-similar adverse pressure gradient turbulent boundary layer using single-camera light-field particle image velocimetry. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	12
34	High-order accurate large-eddy simulations of compressible viscous flow in cylindrical coordinates. <i>Computers and Fluids</i> , 2019, 191, 104241.	1.3	13
35	High resolution volumetric dual-camera light-field PIV. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	19
36	Nozzle external geometry as a boundary condition for the azimuthal mode selection in an impinging underexpanded jet. <i>Journal of Fluid Mechanics</i> , 2019, 862, 421-448.	1.4	37

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37	Effect of turbulence on drop breakup in counter air flow. International Journal of Multiphase Flow, 2019, 120, 103108.	1.6	9
38	The structure and dynamics of backflow in turbulent channels. Journal of Fluid Mechanics, 2019, 880, .	1.4	23
39	Dynamic stall in vertical axis wind turbines: scaling and topological considerations. Journal of Fluid Mechanics, 2018, 841, 746-766.	1.4	63
40	Linearised dynamics and non-modal instability analysis of an impinging under-expanded supersonic jet. Journal of Physics: Conference Series, 2018, 1001, 012019.	0.3	6
41	A detailed comparison of single-camera light-field PIV and tomographic PIV. Experiments in Fluids, 2018, 59, 1.	1.1	40
42	The size dependant behaviour of particles driven by a travelling surface acoustic wave (TSAW). Lab on A Chip, 2018, 18, 3926-3938.	3.1	50
43	Characterisation of minimal-span plane Couette turbulence with pressure gradients. Journal of Physics: Conference Series, 2018, 1001, 012020.	0.3	0
44	Signatures of shear-layer unsteadiness in proper orthogonal decomposition. Experiments in Fluids, 2018, 59, 1.	1.1	19
45	Analysis of Coherent Structures in an Under-Expanded Supersonic Impinging Jet Using Spectral Proper Orthogonal Decomposition (SPOD). Aerospace, 2018, 5, 73.	1.1	25
46	Upstream-travelling acoustic jet modes as a closure mechanism for screech. Journal of Fluid Mechanics, 2018, 855, .	1.4	101
47	Coupling Modes of an Underexpanded Twin Axisymmetric Jet. AIAA Journal, 2018, 56, 3524-3535.	1.5	33
48	The influence of the cavity in the flow structures of a zero-net-mass-flux jet. , 2018, , .		0
49	Sound production by shock leakage in supersonic jet screech. , 2018, , .		9
50	An experimental investigation of coupled underexpanded supersonic twin-jets. Experiments in Fluids, 2018, 59, 1.	1.1	19
51	Reynolds stress structures in a self-similar adverse pressure gradient turbulent boundary layer at the verge of separation.. Journal of Physics: Conference Series, 2018, 1001, 012001.	0.3	2
52	Experimental evidence of near-wall reverse flow events in a zero pressure gradient turbulent boundary layer. Experimental Thermal and Fluid Science, 2018, 91, 320-328.	1.5	39
53	An explanation for the phase lag in supersonic jet impingement. Journal of Fluid Mechanics, 2017, 815, .	1.4	45
54	Novel Method for Investigating Broadband Velocity Fluctuations in Axisymmetric Screeching Jets. AIAA Journal, 2017, 55, 2321-2334.	1.5	19

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55	Stability and three-dimensional evolution of a transitional dynamic stall vortex. <i>Journal of Fluid Mechanics</i> , 2017, 823, 166-197.	1.4	14
56	On the Effects of Nozzle Lip Thickness on the Azimuthal Mode Selection of a Supersonic Impinging Flow. , 2017, , .		5
57	On the behaviour of impinging zero-net-mass-flux jets. <i>Journal of Fluid Mechanics</i> , 2017, 810, 25-59.	1.4	55
58	Direct numerical simulation of a self-similar adverse pressure gradient turbulent boundary layer at the verge of separation. <i>Journal of Fluid Mechanics</i> , 2017, 829, 392-419.	1.4	58
59	Near-wall statistics of a turbulent pipe flow at shear Reynolds numbers up to 40000. <i>Journal of Fluid Mechanics</i> , 2017, 826, .	1.4	47
60	Higher order dynamic mode decomposition of noisy experimental data: The flow structure of a zero-net-mass-flux jet. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 336-353.	1.5	105
61	Light-field camera-based 3D volumetric particle image velocimetry with dense ray tracing reconstruction technique. <i>Experiments in Fluids</i> , 2017, 58, 1.	1.1	42
62	Extensive characterisation of a high Reynolds number decelerating boundary layer using advanced optical metrology. <i>Journal of Turbulence</i> , 2017, 18, 929-972.	0.5	32
63	Scale and Reynolds number dependence of stochastic subgrid energy transfer in turbulent channel flow. <i>Computers and Fluids</i> , 2017, 151, 132-143.	1.3	2
64	Towards the Direct Numerical Simulation of a Self-similar Adverse Pressure Gradient Turbulent Boundary Layer Flow. , 2017, , 61-75.		2
65	Particle Image Velocimetry Analysis of the Twin Supersonic Jet Structure and Standing-Wave. , 2017, , .		3
66	Local topology via the invariants of the velocity gradient tensor within vortex clusters and intense Reynolds stress structures in turbulent channel flow. <i>Journal of Physics: Conference Series</i> , 2016, 708, 012005.	0.3	4
67	Inception and evolution of coherent structures in under-expanded supersonic jets. <i>Journal of Physics: Conference Series</i> , 2016, 708, 012015.	0.3	5
68	Scaling and statistics of large-defect adverse pressure gradient turbulent boundary layers. <i>International Journal of Heat and Fluid Flow</i> , 2016, 59, 109-124.	1.1	36
69	Formation of Three-Dimensional Structures in the Hemisphere-Cylinder. <i>AIAA Journal</i> , 2016, 54, 3884-3894.	1.5	10
70	Experimental analysis of particle sizes for PIV measurements. <i>Measurement Science and Technology</i> , 2016, 27, 094009.	1.4	1
71	Direct numerical simulation of a self-similar adverse pressure gradient turbulent boundary layer. <i>International Journal of Heat and Fluid Flow</i> , 2016, 61, 129-136.	1.1	42
72	Impingement Tones and Associated Shock Instabilities in Supersonic Plug Nozzle Flows. <i>AIAA Journal</i> , 2016, 54, 2843-2851.	1.5	2

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73	Supersonic Jet Impingement on a Cylindrical Surface. , 2016, , .		7
74	A Novel Method for Decoupling the Velocity Fluctuations in Screeching Axisymmetric Jets. , 2016, , .		1
75	Pre-detachment Acoustic Emission of a Bubble Emerging from an Orifice. Lecture Notes in Mechanical Engineering, 2016, , 119-123.	0.3	0
76	Evaluation of a film-based wall shear stress measurement technique in a turbulent channel flow. Experimental Thermal and Fluid Science, 2016, 70, 437-442.	1.5	6
77	On the identification of intense Reynolds stress structures in wall-bounded flows using information-limited two-dimensional planar data. European Journal of Mechanics, B/Fluids, 2016, 55, 279-285.	1.2	2
78	Insights into Spray Development from Metered-Dose Inhalers Through Quantitative X-ray Radiography. Pharmaceutical Research, 2016, 33, 1249-1258.	1.7	9
79	Efficiency of the lumped parameter concept and the role of liquid properties in modelling microdroplet evaporation. Fuel, 2016, 166, 86-95.	3.4	3
80	Boundary Condition Development for an Adverse Pressure Gradient Turbulent Boundary Layer at the Verge of Separation. , 2016, , 269-278.		1
81	Decomposition of Radiating and Non-Radiating Linear Fluctuating Components in Compressible Flows. , 2016, , 388-396.		0
82	Scale Dependent Stochastic Self-energy Model of the Energy Transfers in Turbulent Channel Flows. Springer Proceedings in Physics, 2016, , 139-143.	0.1	0
83	Stability Analysis of Time-averaged Jet Flows: Fundamentals and Application. Procedia IUTAM, 2015, 14, 141-146.	1.2	2
84	Staging Behaviour in Screeching Elliptical Jets. International Journal of Aeroacoustics, 2015, 14, 1005-1024.	0.8	21
85	Staging behaviour in screeching elliptical jets. International Journal of Aeroacoustics, 2015, 14, 1005-1024.	0.8	3
86	Shock structures and instabilities formed in an underexpanded jet impinging on to cylindrical sections. Shock Waves, 2015, 25, 611-622.	1.0	27
87	Multimodal Instability in the Weakly Underexpanded Elliptic Jet. AIAA Journal, 2015, 53, 2739-2749.	1.5	25
88	Investigation of Coherent Structures and Dynamics Using POD and DMD of a Separated Airfoil Subjected to ZNMF Jet Forcing. Fluid Mechanics and Its Applications, 2015, , 33-38.	0.1	1
89	An Experimental Investigation of Turbulent Convection Velocities in a Turbulent Boundary Layer. Flow, Turbulence and Combustion, 2015, 94, 79-95.	1.4	28
90	On the role of pressure in elasto-inertial turbulence. Journal of Turbulence, 2015, 16, 26-43.	0.5	30

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91	The growth of instabilities in annular liquid sheets. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 89-99.	1.5	15
92	Flow around a hemisphere-cylinder at high angle of attack and low Reynolds number. Part II: POD and DMD applied to reduced domains. <i>Aerospace Science and Technology</i> , 2015, 44, 88-100.	2.5	41
93	Proposed stochastic parameterisations of subgrid turbulence in large eddy simulations of turbulent channel flow. <i>Journal of Turbulence</i> , 2015, 16, 729-741.	0.5	6
94	Application of a single-board computer as a low-cost pulse generator. <i>Measurement Science and Technology</i> , 2015, 26, 095302.	1.4	19
95	Dynamic stall in vertical axis wind turbines: Comparing experiments and computations. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 146, 163-171.	1.7	106
96	Measuring shear layer growth rates in aeroacoustically forced axisymmetric supersonic jets. , 2015, , .		7
97	Measurements of the flow due to a rapidly pitching plate using time resolved high resolution PIV. <i>Aerospace Science and Technology</i> , 2015, 44, 4-17.	2.5	9
98	Flow around a hemisphere-cylinder at high angle of attack and low Reynolds number. Part I: Experimental and numerical investigation. <i>Aerospace Science and Technology</i> , 2015, 44, 77-87.	2.5	38
99	Three-Dimensional Waves Inside an Open Cavity and Interactions with the Impinging Shear Layer. <i>Fluid Mechanics and Its Applications</i> , 2015, , 209-214.	0.1	0
100	Prologue to the International Conference on Massively Separated Flows and Their Control. <i>Fluid Mechanics and Its Applications</i> , 2015, , 1-3.	0.1	0
101	Numerical issues in Lagrangian tracking and topological evolution of fluid particles in wall-bounded turbulent flows. <i>Journal of Physics: Conference Series</i> , 2014, 506, 012003.	0.3	0
102	Instability Modes in Screeching Elliptical Jets. , 2014, , .		6
103	The underexpanded jet Mach disk and its associated shear layer. <i>Physics of Fluids</i> , 2014, 26, .	1.6	71
104	Coherent structure and sound production in the helical mode of a screeching axisymmetric jet. <i>Journal of Fluid Mechanics</i> , 2014, 748, 822-847.	1.4	109
105	Mean flow stability analysis of oscillating jet experiments. <i>Journal of Fluid Mechanics</i> , 2014, 757, 1-32.	1.4	41
106	On the modulating effect of three-dimensional instabilities in open cavity flows. <i>Journal of Fluid Mechanics</i> , 2014, 759, 546-578.	1.4	21
107	Large eddy simulation and Reynolds-averaged Navier-Stokes calculations of supersonic impinging jets at varying nozzle-to-wall distances and impinging angles. <i>International Journal of Heat and Fluid Flow</i> , 2014, 47, 31-41.	1.1	12
108	High spatial range velocity measurements in a high Reynolds number turbulent boundary layer. <i>Physics of Fluids</i> , 2014, 26, .	1.6	46

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109	Analysis of a Turbulent Boundary Layer Subjected to a Strong Adverse Pressure Gradient. Journal of Physics: Conference Series, 2014, 506, 012007.	0.3	14
110	On the appropriate filtering of PIV measurements of turbulent shear flows. Experiments in Fluids, 2014, 55, 1.	1.1	36
111	Stochastic self-energy subgrid model for the large eddy simulation of turbulent channel flows. Journal of Physics: Conference Series, 2014, 506, 012001.	0.3	3
112	Ultra-high-speed 3D astigmatic particle tracking velocimetry: application to particle-laden supersonic impinging jets. Experiments in Fluids, 2014, 55, 1.	1.1	16
113	A Novel High-Speed Imaging Technique to Predict the Macroscopic Spray Characteristics of Solution Based Pressurised Metered Dose Inhalers. Pharmaceutical Research, 2014, 31, 2963-2974.	1.7	14
114	Time-resolved stereo PIV measurements in the far-field of a turbulent zero-net-mass-flux jet. Experimental Thermal and Fluid Science, 2014, 57, 111-120.	1.5	4
115	Skin-friction critical points in wall-bounded flows. Journal of Physics: Conference Series, 2014, 506, 012009.	0.3	13
116	Three-dimensional instabilities over a rectangular open cavity: from linear stability analysis to experimentation. Journal of Fluid Mechanics, 2014, 748, 189-220.	1.4	53
117	Three-dimensional instabilities over a rectangular open cavity: from linear stability analysis to experimentation " ERRATUM. Journal of Fluid Mechanics, 2014, 751, 747-748.	1.4	3
118	Analysis of the anisotropy of group velocity error due to spatial finite difference schemes from the solution of the 2D linear Euler equations. International Journal for Numerical Methods in Fluids, 2013, 71, 805-829.	0.9	2
119	Near-field structure of underexpanded elliptic jets. Experiments in Fluids, 2013, 54, 1.	1.1	59
120	Time-resolved PIV measurements of the flow field in a stenosed, compliant arterial model. Experiments in Fluids, 2013, 54, 1.	1.1	30
121	Evolution of the turbulent/non-turbulent interface of an axisymmetric turbulent jet. Experiments in Fluids, 2013, 54, 1.	1.1	29
122	Influence of ZNMF jet flow control on the spatio-temporal flow structure over a NACA-0015 airfoil. Experiments in Fluids, 2013, 54, 1.	1.1	50
123	Microdroplet evaporation under increasing temperature conditions: Experiments and modelling. Fuel, 2013, 105, 247-257.	3.4	21
124	Investigation of the Flow Structures in Supersonic Free and Impinging Jet Flows. Journal of Fluids Engineering, Transactions of the ASME, 2013, 135, .	0.8	34
125	Computationally efficient storage of 3D particle intensity and position data for use in 3D PIV and 3D PTV. Measurement Science and Technology, 2013, 24, 115303.	1.4	3
126	On the mechanism of elasto-inertial turbulence. Physics of Fluids, 2013, 25, 110817.	1.6	121

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127	Ultra-high-speed tomographic digital holographic velocimetry in supersonic particle-laden jet flows. Measurement Science and Technology, 2013, 24, 024005.	1.4	51
128	Structural analysis on a hemisphere-cylinder at moderate Reynolds number and high angle of attack. , 2013, , .		1
129	Measurements of the Three-Dimensional Topological Evolution of a Dynamic Stall Event Using Wavelet Methods. , 2013, , .		0
130	An improved interpolation scheme for finite volume simulations on unstructured meshes. Mathematics of Computation, 2012, 82, 803-830.	1.1	0
131	On measuring the joint probability density function of three-dimensional velocity components in turbulent flows. Measurement Science and Technology, 2012, 23, 065301.	1.4	9
132	Lagrangian evolution of the invariants of the velocity gradient tensor in a turbulent boundary layer. Physics of Fluids, 2012, 24, .	1.6	22
133	Experimental investigation of nonlinear instabilities in annular liquid sheets. Journal of Fluid Mechanics, 2012, 691, 594-604.	1.4	62
134	Ultra-High-Speed Digital In-Line Holography System Applied to Particle-Laden Supersonic Underexpanded Jet Flows. , 2012, , .		3
135	Time-resolved Particle Image Velocimetry and Structural Analysis on An Hemisphere-Cylinder at Low Reynolds Numbers and Large Angle of Incidence. , 2012, , .		2
136	The visualization of the acoustic feedback loop in impinging underexpanded supersonic jet flows using ultra-high frame rate schlieren. Journal of Visualization, 2012, 15, 333-341.	1.1	71
137	Pulsed, high-power LED illumination for tomographic particle image velocimetry. Experiments in Fluids, 2012, 53, 1545-1560.	1.1	37
138	An assessment of high-power light-emitting diodes for high frame rate schlieren imaging. Experiments in Fluids, 2012, 53, 413-421.	1.1	119
139	A new perspective on spectral analysis of numerical schemes. International Journal for Numerical Methods in Fluids, 2012, 68, 467-482.	0.9	3
140	A Numerical Investigation of the Cold Spray Process Using Underexpanded and Overexpanded Jets. Journal of Thermal Spray Technology, 2012, 21, 108-120.	1.6	34
141	Stereoscopic and tomographic PIV of a pitching plate. Experiments in Fluids, 2012, 52, 299-314.	1.1	27
142	An error analysis of the dynamic mode decomposition. Experiments in Fluids, 2012, 52, 529-542.	1.1	131
143	A Comparison of Subpixel Edge Detection and Correlation Algorithms for the Measurement of Sprays. International Journal of Spray and Combustion Dynamics, 2011, 3, 93-109.	0.4	13
144	Measurements of Near Wall Velocity and Wall Stress in a Wall-Bounded Turbulent Flow Using Digital Holographic Microscopic PIV and Shear Stress Sensitive Film. ERCOFTAC Series, 2011, , 385-392.	0.1	0

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145	Three-Dimensional Substructure in a Leading Edge Vortex. , 2011, , .		0
146	Study of Vortical Structures in Turbulent Near-Wall Flows. ERCOFTAC Series, 2011, , 121-131.	0.1	0
147	Topology and dynamics of flow structures in wall-bounded turbulent flows. Journal of Physics: Conference Series, 2011, 318, 062018.	0.3	3
148	On the coherent structures and stability properties of a leading-edge separated aerofoil with turbulent recirculation. Journal of Fluid Mechanics, 2011, 683, 395-416.	1.4	55
149	Measuring evaporation of micro-fuel droplets using magnified DIH and DPIV. Experiments in Fluids, 2011, 50, 949-959.	1.1	18
150	The accuracy of tomographic particle image velocimetry for measurements of a turbulent boundary layer. Experiments in Fluids, 2011, 50, 1031-1056.	1.1	97
151	A film-based wall shear stress sensor for wall-bounded turbulent flows. Experiments in Fluids, 2011, 51, 137-147.	1.1	13
152	Tomographic particle image velocimetry investigation of the flow in a modeled human carotid artery bifurcation. Experiments in Fluids, 2011, 50, 1131-1151.	1.1	51
153	Editorial: PIV™09 special issue. Experiments in Fluids, 2011, 50, 775-775.	1.1	1
154	A correlation image velocimetry-based study of high-pressure fuel spray tip evolution. Experiments in Fluids, 2011, 51, 667-678.	1.1	20
155	Particle relaxation and its influence on the particle image velocimetry cross-correlation function. Experiments in Fluids, 2011, 51, 933-947.	1.1	40
156	Investigation of wall-bounded turbulent flow using Dynamic mode decomposition. Journal of Physics: Conference Series, 2011, 318, 042040.	0.3	9
157	Tomographic Particle Image Velocimetry Measurements of a High Reynolds Number Turbulent Boundary Layer. ERCOFTAC Series, 2011, , 113-120.	0.1	1
158	Axial plus tangential entry swirling jet. Experiments in Fluids, 2010, 48, 309-325.	1.1	61
159	A cross-correlation velocimetry technique for breakup of an annular liquid sheet. Experiments in Fluids, 2010, 49, 435-445.	1.1	45
160	The effect of internal diffusion on an evaporating bio-oil droplet – The chemistry free case. Biomass and Bioenergy, 2010, 34, 1134-1140.	2.9	15
161	Development of a nonlinear eddy-viscosity closure for the triple-decomposition stability analysis of a turbulent channel. Journal of Fluid Mechanics, 2010, 664, 74-107.	1.4	26
162	Multi-Component - Multi-Dimensional PIV Measurements for a Flat-Plate Pitching Motion. , 2010, , .		1

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163	The organization of near-wall turbulence: a comparison between boundary layer SPIV data and channel flow DNS data. <i>Journal of Turbulence</i> , 2010, 11, N47.	0.5	24
164	Effect of nozzle transients and compressibility on the penetration of fuel sprays. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	25
165	An efficient simultaneous reconstruction technique for tomographic particle image velocimetry. <i>Experiments in Fluids</i> , 2009, 47, 553-568.	1.1	215
166	Time resolved measurements of the initial stages of fuel spray penetration. <i>Fuel</i> , 2009, 88, 2225-2237.	3.4	87
167	A singularity-avoiding moving least squares scheme for two-dimensional unstructured meshes. <i>Journal of Computational Physics</i> , 2009, 228, 5592-5619.	1.9	10
168	BiGlobal stability analysis in curvilinear coordinates of massively separated lifting bodies. <i>Journal of Computational Physics</i> , 2009, 228, 7181-7196.	1.9	38
169	Multi-Component, Multi-Dimensional PIV Measurements of Low Reynolds Number Flow Around Flat Plate Undergoing Pitch-Ramp Motion. , 2009, , .		2
170	DHMPIV and Tomo-PIV measurements of three-dimensional structures in a turbulent boundary layer. <i>Springer Proceedings in Physics</i> , 2009, , 613-616.	0.1	1
171	In-Vitro Investigation of three-dimensional Carotid Artery Haemodynamics by Tomographic Particle Image Velocimetry. <i>IFMBE Proceedings</i> , 2009, , 1665-1668.	0.2	0
172	Fluid mechanics of flapping wings. <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1578-1589.	1.5	46
173	High-speed visualisation of primary break-up of an annular liquid sheet. <i>Experiments in Fluids</i> , 2008, 44, 451-459.	1.1	52
174	Stereoscopic PIV measurements of a turbulent boundary layer with a large spatial dynamic range. <i>Experiments in Fluids</i> , 2008, 45, 745-763.	1.1	44
175	Use of zero-net-mass-flow for separation control in diffusing S-duct. <i>Experimental Thermal and Fluid Science</i> , 2008, 33, 169-172.	1.5	20
176	BiGlobal Instability Analysis of Turbulent Flow Over an Airfoil at an Angle of Attack. , 2008, , .		4
177	Measuring dynamic phenomena at the sub-micron scale. , 2008, , .		2
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