

# Alexander J Smits

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255  
papers

10,998  
citations

55  
h-index

95  
g-index

276  
ext. papers

13,000  
ext. citations

3.5  
avg, IF

6.74  
L-index

#	Paper	IF	Citations
255	An energy-efficient pathway to turbulent drag reduction. <i>Nature Communications</i> , <b>2021</b> , 12, 5805	17.4	3
254	Influence of a Microramp Array on a Hypersonic Shock-Wave/Turbulent Boundary-Layer Interaction. <i>AIAA Journal</i> , <b>2021</b> , 59, 1924-1939	2.1	1
253	Perspective on the Response of Turbulent Pipe Flows to Strong Perturbations. <i>Fluids</i> , <b>2021</b> , 6, 208	1.6	0
252	On the Boussinesq approximation in arbitrarily accelerating frames of reference. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 924,	3.7	1
251	The interaction of double burner fire whirls. <i>Combustion and Flame</i> , <b>2021</b> , 235, 111679	5.3	0
250	Effects of roughness on a turbulent boundary layer in hypersonic flow. <i>Experiments in Fluids</i> , <b>2021</b> , 62, 1	2.5	0
249	Reynolds stress scaling in the near-wall region of wall-bounded flows. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 926,	3.7	6
248	A simple method to monitor hemolysis in real time. <i>Scientific Reports</i> , <b>2020</b> , 10, 5101	4.9	2
247	Swimmers' wake structures are not reliable indicators of swimming performance. <i>Bioinspiration and Biomimetics</i> , <b>2020</b> , 15, 024001	2.6	12
246	Some observations on Reynolds number scaling in wall-bounded flows. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	3
245	Reynolds Number Effects on the Wake Structure of Pitching Convex Panels. <i>AIAA Journal</i> , <b>2020</b> , 58, 1397-1401	3.7	3
244	The effect of blade geometry on the structure of vertical axis wind turbine wakes. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2020</b> , 207, 104328	3.7	9
243	Turbulent pipe flow response to a step change in surface roughness. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 904,	3.7	4
242	Bioinspired Underwater Propulsors <b>2020</b> , 113-139		1
241	Foil shapes for efficient fish-like propulsion <b>2019</b> ,		6
240	Roughness effects in laminar channel flow. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 876, 1129-1145	3.7	15
239	Reynolds Number Scaling of the Propulsive Performance of a Pitching Airfoil. <i>AIAA Journal</i> , <b>2019</b> , 57, 2663-2669	2.1	25

238	How smooth is a dolphin? The ridged skin of odontocetes. <i>Biology Letters</i> , <b>2019</b> , 15, 20190103	3.6	12
237	Undulatory and oscillatory swimming. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 874,	3.7	66
236	Effects of trailing edge shape on vortex formation by pitching panels of small aspect ratio. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	24
235	The Effect of Pitching Frequency on the Hydrodynamics of Oscillating Foils. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2019</b> , 86,	2.7	6
234	Stereo PIV measurements in fire whirls. <i>Experiments in Fluids</i> , <b>2019</b> , 60, 1	2.5	3
233	Numerical simulations of the flow around a square pitching panel. <i>Journal of Fluids and Structures</i> , <b>2018</b> , 76, 454-468	3.1	16
232	Dynamic stall in vertical axis wind turbines: scaling and topological considerations. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 841, 746-766	3.7	37
231	Flow past finite cylinders of constant curvature. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 837, 896-915	3.7	5
230	Fully resolved measurements of turbulent boundary layer flows up to. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 851, 391-415	3.7	55
229	Efficient cruising for swimming and flying animals is dictated by fluid drag. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8116-8118	11.5	55
228	Flow speed has little impact on propulsive characteristics of oscillating foils. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	42
227	Experiments on the structure and scaling of hypersonic turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 834, 237-270	3.7	24
226	Experimental Investigation of Two Hypersonic Shock/Turbulent Boundary-Layer Interactions. <i>AIAA Journal</i> , <b>2018</b> , 56, 4830-4844	2.1	9
225	Coherent structures in turbulent square duct flow. <i>International Journal of Heat and Fluid Flow</i> , <b>2018</b> , 74, 144-153	2.4	4
224	The effects of inflow conditions on vertical axis wind turbine wake structure and performance. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 183, 1-18	3.7	19
223	The effect of stable thermal stratification on turbulent boundary layer statistics. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 812, 1039-1075	3.7	10
222	Structure identification in pipe flow using proper orthogonal decomposition. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	10
221	Boundary layer suction through rectangular orifices: effects of aspect ratio and orientation. <i>Experiments in Fluids</i> , <b>2017</b> , 58, 1	2.5	2

220	Effect of Tripping on Hypersonic Turbulent Boundary-Layer Statistics. <i>AIAA Journal</i> , <b>2017</b> , 55, 3051-3058 <sup>2.1</sup>		5
219	Turbulent boundary layer response to the introduction of stable stratification. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 811, 569-581	3.7	5
218	Substantial drag reduction in turbulent flow using liquid-infused surfaces. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 827, 448-456	3.7	56
217	Forces and energetics of intermittent swimming. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2017</b> , 33, 725-732 <sup>2</sup>		31
216	Linear stability of two-layer Couette flows. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 826, 128-157	3.7	7
215	Impact of trailing edge shape on the wake and propulsive performance of pitching panels. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	38
214	Nonsinusoidal gaits for unsteady propulsion. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	28
213	Scaling the propulsive performance of heaving and pitching foils. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 822, 386-397	3.7	100
212	Modelling and operation of sub-miniature constant temperature hot-wire anemometry. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 125301	2	4
211	Scaling of a small scale burner fire whirl. <i>Combustion and Flame</i> , <b>2016</b> , 163, 202-208	5.3	33
210	Measurement of the Flow Field of Fire Whirl. <i>Fire Technology</i> , <b>2016</b> , 52, 263-272	3	23
209	Coherent structures in transitional pipe flow. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	5
208	Role of body stiffness in undulatory swimming: Insights from robotic and computational models. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	36
207	Turbulent drag reduction over air- and liquid- impregnated surfaces. <i>Physics of Fluids</i> , <b>2016</b> , 28, 015103	4.4	91
206	The inertial subrange in turbulent pipe flow: centreline. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 788, 602-613	3.7	8
205	Self-similarity of the large-scale motions in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 792,	3.7	47
204	The evolution of large-scale motions in turbulent pipe flow [CORRIGENDUM]. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 795, 973-974	3.7	1
203	A direct measure of the frequency response of hot-wire anemometers: temporal resolution issues in wall-bounded turbulence. <i>Experiments in Fluids</i> , <b>2015</b> , 56, 1	2.5	32

202	Errors in parallel-plate and cone-plate rheometer measurements due to sample underfill. <i>Measurement Science and Technology</i> , <b>2015</b> , 26, 015301	2	20
201	On the universality of inertial energy in the log layer of turbulent boundary layer and pipe flows. <i>Experiments in Fluids</i> , <b>2015</b> , 56, 1	2.5	22
200	A new method for measuring turbulent heat fluxes using PIV and fast-response cold-wires. <i>Experiments in Fluids</i> , <b>2015</b> , 56, 1	2.5	2
199	Spectral scaling in boundary layers and pipes at very high Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 771, 303-326	3.7	70
198	Dynamic stall in vertical axis wind turbines: Comparing experiments and computations. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2015</b> , 146, 163-171	3.7	78
197	The structure of the wake generated by a submarine model in yaw. <i>Experiments in Fluids</i> , <b>2015</b> , 56, 1	2.5	8
196	Generating an artificially thickened boundary layer to simulate the neutral atmospheric boundary layer. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2015</b> , 145, 1-16	3.7	8
195	Canonical wall-bounded flows: how do they differ?. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 774, 1-4	3.7	13
194	Turbulent boundary layer statistics at very high Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 779, 371-389	3.7	72
193	Asymmetries in the wake of a submarine model in pitch. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 774, 416-442	3.7	17
192	Maximizing the efficiency of a flexible propulsor using experimental optimization. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 767, 430-448	3.7	90
191	The evolution of large-scale motions in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 779, 701-715	3.7	32
190	Particle response analysis for particle image velocimetry in supersonic flows. <i>Physics of Fluids</i> , <b>2015</b> , 27, 076101	4.4	29
189	Linear instability mechanisms leading to optimally efficient locomotion with flexible propulsors. <i>Physics of Fluids</i> , <b>2014</b> , 26, 041905	4.4	38
188	Estimating the value of von Kármán constant in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 749, 79-98	3.7	68
187	Propulsive performance of unsteady tandem hydrofoils in a side-by-side configuration. <i>Physics of Fluids</i> , <b>2014</b> , 26, 041903	4.4	54
186	Scaling the propulsive performance of heaving flexible panels. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 738, 250-267	3.7	144
185	. <i>Journal of Microelectromechanical Systems</i> , <b>2014</b> , 23, 899-907	2.5	26

184	Unsteady propulsion near a solid boundary. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 742, 152-170	3.7	93
183	Flexible propulsors in ground effect. <i>Bioinspiration and Biomimetics</i> , <b>2014</b> , 9, 036008	2.6	85
182	The energetic motions in turbulent pipe flow. <i>Physics of Fluids</i> , <b>2014</b> , 26, 125102	4.4	32
181	Propulsive performance of unsteady tandem hydrofoils in an in-line configuration. <i>Physics of Fluids</i> , <b>2014</b> , 26, 051901	4.4	83
180	Vortex and structural dynamics of a flexible cylinder in cross-flow. <i>Physics of Fluids</i> , <b>2014</b> , 26, 053605	4.4	3
179	The Swimming of Manta Rays. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 291-300	0.4	4
178	Wall-bounded turbulence. <i>Physics Today</i> , <b>2013</b> , 66, 25-30	0.9	43
177	The flow field and axial thrust generated by a rotating rigid helix at low Reynolds numbers. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 46, 1-7	3	12
176	Scaling laws for the thrust production of flexible pitching panels. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 732, 29-46	3.7	147
175	Logarithmic scaling of turbulence in smooth- and rough-wall pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 728, 376-395	3.7	93
174	The appearance of P+S modes in the wake of a freely vibrating, highly flexible cylinder. <i>Journal of Fluids and Structures</i> , <b>2013</b> , 43, 481-486	3.1	3
173	The turbulent wake of a submarine model in pitch and yaw. <b>2013</b> ,		7
172	Turbulence spectra in smooth- and rough-wall pipe flow at extreme Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 731, 46-63	3.7	68
171	On the logarithmic region in wall turbulence. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 716,	3.7	365
170	Drag reduction on grooved cylinders in the critical Reynolds number regime. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 48, 15-18	3	33
169	Dynamic calibration and modeling of a cold wire for temperature measurement. <i>Measurement Science and Technology</i> , <b>2013</b> , 24, 125301	2	22
168	Obtaining accurate mean velocity measurements in high Reynolds number turbulent boundary layers using Pitot tubes. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 715, 642-670	3.7	48
167	Turbulent pipe flow downstream of a bend. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 735,	3.7	41

166	A viscoelastic model of shear-induced hemolysis in laminar flow. <i>Biorheology</i> , <b>2013</b> , 50, 45-55	1.7	26
165	On the relationship between efficiency and wake structure of a batoid-inspired oscillating fin. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 691, 245-266	3.7	51
164	Hot-wire spatial resolution effects in measurements of grid-generated turbulence. <i>Experiments in Fluids</i> , <b>2012</b> , 53, 1713-1722	2.5	27
163	Turbulent pipe flow at extreme Reynolds numbers. <i>Physical Review Letters</i> , <b>2012</b> , 108, 094501	7.4	213
162	Wake structures behind a swimming robotic lamprey with a passively flexible tail. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 416-25	3	50
161	Hydrodynamic wake resonance as an underlying principle of efficient unsteady propulsion. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 708, 329-348	3.7	51
160	Experimental characterization of three-dimensional corner flows at low Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 707, 37-52	3.7	3
159	Flow Visualization <b>2012</b> ,		33
158	High Reynolds Number Wall Turbulence. <i>Annual Review of Fluid Mechanics</i> , <b>2011</b> , 43, 353-375	22	506
157	Experiments on the Influence of a Microramp Array on a Hypersonic Shock Turbulent Boundary Layer Interaction <b>2011</b> ,		6
156	Turbulence Measurements with PIV in a Hypersonic Shock Boundary Layer Interaction <b>2011</b> ,		2
155	Bioinspired Propulsion Mechanisms Based on Manta Ray Locomotion. <i>Marine Technology Society Journal</i> , <b>2011</b> , 45, 110-118	0.5	41
154	Vortex suppression and drag reduction in the wake of counter-rotating cylinders. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 679, 343-382	3.7	68
153	Spatial resolution correction for wall-bounded turbulence measurements. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 676, 41-53	3.7	78
152	The unsteady three-dimensional wake produced by a trapezoidal pitching panel. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 685, 117-145	3.7	98
151	Tip and Junction Vortices Generated by the Sail of a Yawed Submarine Model at Low Reynolds Numbers. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	2.1	4
150	Scaling the circulation shed by a pitching panel. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 688, 591-601	3.7	22
149	Thrust production by a mechanical swimming lamprey. <i>Experiments in Fluids</i> , <b>2011</b> , 50, 1349-1355	2.5	14

148	Turbulence measurements in pipe flow using a nano-scale thermal anemometry probe. <i>Experiments in Fluids</i> , <b>2011</b> , 51, 1521-1527	2.5	64
147	A new criterion for end-conduction effects in hot-wire anemometry. <i>Measurement Science and Technology</i> , <b>2011</b> , 22, 055401	2	17
146	Visualizing the very-large-scale motions in turbulent pipe flow. <i>Physics of Fluids</i> , <b>2011</b> , 23, 011703	4.4	54
145	Effects of hot-wire length on the measurement of turbulent spectra in anisotropic flows. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 105407	2	11
144	Using hyperbolic Lagrangian coherent structures to investigate vortices in bioinspired fluid flows. <i>Chaos</i> , <b>2010</b> , 20, 017510	3.3	46
143	Wall-bounded turbulent flows at high Reynolds numbers: Recent advances and key issues. <i>Physics of Fluids</i> , <b>2010</b> , 22, 065103	4.4	47 <sup>1</sup>
142	Model of accommodation: contributions of lens geometry and mechanical properties to the development of presbyopia. <i>Journal of Cataract and Refractive Surgery</i> , <b>2010</b> , 36, 1960-71	2.3	19
141	Temperature corrections for constant temperature and constant current hot-wire anemometers. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 105404	2	51
140	PIV Experiments on a Rough Wall Hypersonic Turbulent Boundary Layer <b>2010</b> ,		10
139	Experimental investigation of the structure of large- and very-large-scale motions in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 651, 339-356	3.7	52
138	Scaling of near-wall turbulence in pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 649, 103-113	3.7	66
137	Scaling of global properties of turbulence and skin friction in pipe and channel flows. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 652, 65-73	3.7	25
136	The intermediate wake of a body of revolution at high Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 659, 516-539	3.7	43
135	Turbulence measurements using a nanoscale thermal anemometry probe. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 663, 160-179	3.7	100
134	The Effects of Fins on the Intermediate Wake of a Submarine Model. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2010</b> , 132,	2.1	18
133	High Reynolds Number Wall-Bounded Turbulence and a Proposal for a New Eddy-Based Model. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2010</b> , 51-62	0.3	5
132	Turbulence in Pipe Flows with Small Relative Roughness. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2010</b> , 33-42	0.3	
131	Measurement of local dissipation scales in turbulent pipe flow. <i>Physical Review Letters</i> , <b>2009</b> , 103, 014507	2.4	27

130	Effects of Roughness on a Turbulent Boundary Layer in Hypersonic Flow <b>2009</b> ,		7
129	Structure of Large- and Very Large-Scale Motions in Turbulent Pipe Flow <b>2009</b> ,		1
128	Experimental Investigation of Hypersonic Turbulent Boundary Layer <b>2009</b> ,		12
127	Experimental Study of a Mach 3 Compression Ramp Interaction at $Re_{\theta} = 2400$ . <i>AIAA Journal</i> , <b>2009</b> , 47, 373-385	2.1	52
126	Aero-Optic Distortion in Transonic and Hypersonic Turbulent Boundary Layers. <i>AIAA Journal</i> , <b>2009</b> , 47, 2158-2168	2.1	62
125	Flow in a commercial steel pipe. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 595, 323-339	3.7	62
124	The wake structure and thrust performance of a rigid low-aspect-ratio pitching panel. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 603, 331-365	3.7	148
123	Effects of three-dimensionality on thrust production by a pitching panel. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 615, 211-220	3.7	50
122	Azimuthal structure of turbulence in high Reynolds number pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 615, 121-138	3.7	53
121	Thrust performance of unsteady propulsors using a novel measurement system, and corresponding wake patterns. <i>Experiments in Fluids</i> , <b>2008</b> , 45, 461-472	2.5	16
120	Scaling of the wall-normal turbulence component in high-Reynolds-number pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 576, 457-473	3.7	36
119	Flowfield measurements in the wake of a robotic lamprey. <i>Experiments in Fluids</i> , <b>2007</b> , 43, 683-690	2.5	41
118	Turbulent flow in smooth and rough pipes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2007</b> , 365, 699-714	3	64
117	Further support for Townsend's Reynolds number similarity hypothesis in high Reynolds number rough-wall pipe flow. <i>Physics of Fluids</i> , <b>2007</b> , 19, 055109	4.4	15
116	Wall-Pressure Measurements in a Mach 3 Shock-Wave Turbulent Boundary Layer Interaction at a DNS Accessible Reynolds Number <b>2007</b> ,		11
115	Turbulence Characteristics in High-Reynolds-Number Rough-Wall Pipe Flow <b>2006</b> ,		2
114	Comparison of Aero-Optic Distortion in Hypersonic and Transonic, Turbulent Boundary Layers with Gas Injection <b>2006</b> ,		4
113	Visualizations of the Unsteady Wake of Manta Ray Model <b>2006</b> ,		1

112	Characterization of the Turbulence Structure in Supersonic Boundary Layers Using DNS Data <b>2006,</b>		12
111	Development of NSTAP: Nanoscale Thermal Anemometry Probe <b>2006,</b>		7
110	The Turbulence Structure of Shockwave and Boundary Layer Interactions in a Compression Corner <b>2006,</b>		5
109	Roughness effects in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 564, 267	3.7	153
108	Experimental study of a Neimark-Bakker bifurcation in axially forced Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 558, 1	3.7	13
107	Thrust production and wake structure of a batoid-inspired oscillating fin. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 562, 415-429	3.7	103
106	Binormal cooling errors in crossed hot-wire measurements. <i>Experiments in Fluids</i> , <b>2006</b> , 40, 212-217	2.5	4
105	Turbulence in Supersonic and Hypersonic Boundary Layers. <i>Solid Mechanics and Its Applications</i> , <b>2006</b> , 221-230	0.4	3
104	A new friction factor relationship for fully developed pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 538, 429	3.7	116
103	Measurement of Aero-Optic Distortion in Transonic and Hypersonic, Turbulent Boundary Layers with Gas Injection <b>2005,</b>		3
102	New Experimental Data of STBLI at DNS/LES Accessible Reynolds Numbers <b>2005,</b>		54
101	Analysis of Shockwave/Turbulent Boundary Layer Interaction Using DNS and Experimental Data <b>2005,</b>		10
100	Experimental Investigations of Mach 3 Shock-Wave Turbulent Boundary Layer Interactions <b>2005,</b>		33
99	On the evolution of the wake structure produced by a low-aspect-ratio pitching panel. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 564, 433-443	3.7	140
98	Experimental evidence for Plotkin model of shock unsteadiness in separated flow. <i>Physics of Fluids</i> , <b>2005</b> , 17, 018107	4.4	25
97	Applications of dense gases to model testing for aeronautical and hydrodynamic applications. <i>Measurement Science and Technology</i> , <b>2005</b> , 16, 1710-1715	2	5
96	Evaluation of a universal transitional resistance diagram for pipes with honed surfaces. <i>Physics of Fluids</i> , <b>2005</b> , 17, 121702	4.4	18
95	The response of hot wires in high Reynolds-number turbulent pipe flow. <i>Measurement Science and Technology</i> , <b>2004</b> , 15, 789-798	2	16

94	A new calibration method for crossed hot wires. <i>Measurement Science and Technology</i> , <b>2004</b> , 15, 1926-1931		7
93	Quantitative visualization of compressible turbulent shear flows using condensate-enhanced Rayleigh scattering. <i>Experiments in Fluids</i> , <b>2004</b> , 37, 438-454	2.5	61
92	Three-dimensional structure of a low-Reynolds-number turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 512,	3.7	23
91	Friction factors for smooth pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 511, 41-44	3.7	120
90	Scaling of the streamwise velocity component in turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 508, 99-131	3.7	165
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