

P Henrik Alfredsson

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.

180
papers

5,326
citations

40
h-index

68
g-index

185
ext. papers

5,935
ext. citations

2.6
avg, IF

5.84
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 180 | Instabilities and Transition on a Rotating Cone Old Problems and New Challenges. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2022 , 203-213 | 0.3 | 1 |
| 179 | The Diagnostic Plot A Tutorial with a Ten Year Perspective. <i>Springer Proceedings in Physics</i> , 2021 , 125-135. | 0.2 | 0 |
| 178 | On Similarity of Turbulence Statistics of a Turbulent Planar Jet Taking the Static Pressure into Account. <i>Springer Proceedings in Physics</i> , 2021 , 43-49 | 0.2 | 0 |
| 177 | Instability on Rotating Sharp Cones Revisited. <i>Springer Proceedings in Physics</i> , 2021 , 259-265 | 0.2 | 0 |
| 176 | Instability and transition in the boundary layer driven by a rotating slender cone. <i>Journal of Fluid Mechanics</i> , 2021 , 915, | 3.7 | 2 |
| 175 | Flow visualization and skin friction determination in transitional channel flow. <i>Experiments in Fluids</i> , 2021 , 62, 1 | 2.5 | 1 |
| 174 | Linear modes in a planar turbulent jet. <i>Journal of Fluid Mechanics</i> , 2020 , 888, | 3.7 | 5 |
| 173 | Investigating swirl and tumble using two prototype inlet port designs by means of multi-planar PIV. <i>International Journal of Heat and Fluid Flow</i> , 2019 , 75, 61-76 | 2.4 | 5 |
| 172 | Scale interactions in turbulent rotating planar Couette flow: insight through the Reynolds stress transport. <i>Journal of Fluid Mechanics</i> , 2019 , 879, 255-295 | 3.7 | 7 |
| 171 | Investigation of the structures in the unstable rotating-cone boundary layer. <i>Physical Review Fluids</i> , 2019 , 4, | 2.8 | 8 |
| 170 | Boundary-layer transition over a rotating broad cone. <i>Physical Review Fluids</i> , 2019 , 4, | 2.8 | 9 |
| 169 | Assessment of Wall Vibrations in the Long Pipe Facility at CICLOPE. <i>Springer Proceedings in Physics</i> , 2019 , 203-208 | 0.2 | 0 |
| 168 | On shock structures in dynamic exhaust valve flows. <i>Physics of Fluids</i> , 2019 , 31, 026107 | 4.4 | 2 |
| 167 | Large-Eddy BreakUp Devices - a 40 Years Perspective from a Stockholm Horizon. <i>Flow, Turbulence and Combustion</i> , 2018 , 100, 877-888 | 2.5 | 7 |
| 166 | Plasma Streamwise Vortex Generators for Flow Separation Control on Trucks: A Proof-of-concept Experiment. <i>Flow, Turbulence and Combustion</i> , 2018 , 100, 1101-1109 | 2.5 | 15 |
| 165 | Turbulence in the rotating-disk boundary layer investigated through direct numerical simulations. <i>European Journal of Mechanics, B/Fluids</i> , 2018 , 70, 6-18 | 2.4 | 14 |
| 164 | Transition to turbulence in the rotating-disk boundary-layer flow with stationary vortices. <i>Journal of Fluid Mechanics</i> , 2018 , 836, 43-71 | 3.7 | 13 |

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| 163 | On discharge from poppet valves: effects of pressure and system dynamics. <i>Experiments in Fluids</i> , 2018 , 59, 1 | 2.5 | 2 |
| 162 | Unravelling tumble and swirl in a unique water-analogue engine model. <i>Journal of Visualization</i> , 2018 , 21, 557-568 | 1.6 | 2 |
| 161 | Flow separation control by dielectric barrier discharge plasma actuation via pulsed momentum injection. <i>AIP Advances</i> , 2018 , 8, 075229 | 1.5 | 10 |
| 160 | Inverse Interscale Transport of the Reynolds Shear Stress in Plane Couette Turbulence. <i>Physical Review Letters</i> , 2018 , 120, 244501 | 7.4 | 27 |
| 159 | Flow separation control behind a cylindrical bump using dielectric-barrier-discharge vortex generator plasma actuators. <i>Journal of Fluid Mechanics</i> , 2018 , 835, 852-879 | 3.7 | 15 |
| 158 | Vortex-meter design: The influence of shedding-body geometry on shedding characteristics. <i>Flow Measurement and Instrumentation</i> , 2018 , 59, 88-102 | 2.2 | 6 |
| 157 | Reynolds stress scaling in pipe flow turbulence-first results from CICLOPE. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375, | 3 | 40 |
| 156 | Introduction Wind farms in complex terrains: an introduction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375, | 3 | 13 |
| 155 | Towards a theoretical model of heat transfer for hot-wire anemometry close to solid walls. <i>International Journal of Heat and Fluid Flow</i> , 2017 , 68, 248-256 | 2.4 | 13 |
| 154 | Turbulent Pipe Flow Near-Wall Statistics. <i>Springer Proceedings in Physics</i> , 2017 , 89-94 | 0.2 | 1 |
| 153 | Flow Structures and Momentum Transport in Turbulent Rotating Plane Couette Flow. <i>Springer Proceedings in Physics</i> , 2017 , 51-57 | 0.2 | |
| 152 | Generalization of the Diagnostic Plot to Higher-Order Moments in Turbulent Boundary Layers. <i>Springer Proceedings in Physics</i> , 2016 , 333-338 | 0.2 | |
| 151 | Development of a pressure based vortex-shedding meter: measuring unsteady mass-flow in variable density gases. <i>Measurement Science and Technology</i> , 2016 , 27, 085901 | 2 | 3 |
| 150 | Linear disturbances in the rotating-disk flow: A comparison between results from simulations, experiments and theory. <i>European Journal of Mechanics, B/Fluids</i> , 2016 , 55, 170-181 | 2.4 | 17 |
| 149 | Turbulent Boundary Layer Upstream, Over and Downstream a Cylindrical 2D Bump. <i>Springer Proceedings in Physics</i> , 2016 , 279-283 | 0.2 | 2 |
| 148 | Turbulent rotating plane Couette flow: Reynolds and rotation number dependency of flow structure and momentum transport. <i>Physical Review Fluids</i> , 2016 , 1, | 2.8 | 18 |
| 147 | Measuring Surface Pressure on Rotating Compressor Blades Using Pressure Sensitive Paint. <i>Sensors</i> , 2016 , 16, | 3.8 | 13 |
| 146 | Turbulent Flows in Curved Pipes: Recent Advances in Experiments and Simulations. <i>Applied Mechanics Reviews</i> , 2016 , 68, | 8.6 | 47 |

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| 145 | On the global nonlinear instability of the rotating-disk flow over a finite domain. <i>Journal of Fluid Mechanics</i> , 2016 , 803, 332-355 | 3.7 | 15 |
| 144 | Experimental study of rotating-disk boundary-layer flow with surface roughness. <i>Journal of Fluid Mechanics</i> , 2016 , 786, 5-28 | 3.7 | 16 |
| 143 | Experiments in rotating plane Couette flow – momentum transport by coherent roll-cell structure and zero-absolute-vorticity state. <i>Journal of Fluid Mechanics</i> , 2016 , 791, 191-213 | 3.7 | 16 |
| 142 | High-order generalisation of the diagnostic scaling for turbulent boundary layers. <i>Journal of Turbulence</i> , 2016 , 17, 664-677 | 2.1 | 15 |
| 141 | A study using PIV of the intake flow in a diesel engine cylinder. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 62, 56-67 | 2.4 | 22 |
| 140 | Instabilities of the von Kármán Boundary Layer. <i>Applied Mechanics Reviews</i> , 2015 , 67, | 8.6 | 21 |
| 139 | Investigation of the Global Instability of the Rotating-disk Boundary Layer. <i>Procedia IUTAM</i> , 2015 , 14, 321-328 | | 8 |
| 138 | Global linear instability of the rotating-disk flow investigated through simulations. <i>Journal of Fluid Mechanics</i> , 2015 , 765, 612-631 | 3.7 | 17 |
| 137 | POD analysis of the turbulent flow downstream a mild and sharp bend. <i>Experiments in Fluids</i> , 2015 , 56, 1 | 2.5 | 26 |
| 136 | Separation control by means of plasma actuation on a half cylinder approached by a turbulent boundary layer. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 145, 318-326 | 3.7 | 16 |
| 135 | Pulsatile Turbulent Flow in Straight and Curved Pipes – Interpretation and Decomposition of Hot-Wire Signals. <i>Flow, Turbulence and Combustion</i> , 2015 , 94, 305-321 | 2.5 | 5 |
| 134 | A spectral model of stably stratified surface-layer turbulence. <i>Journal of Physics: Conference Series</i> , 2015 , 625, 012003 | 0.3 | 1 |
| 133 | Zero absolute vorticity: insight from experiments in rotating laminar plane Couette flow. <i>Physical Review E</i> , 2014 , 89, 033003 | 2.4 | 11 |
| 132 | The turbulent rotating-disk boundary layer. <i>European Journal of Mechanics, B/Fluids</i> , 2014 , 48, 245-253 | 2.4 | 10 |
| 131 | Rotation Effects on Wall-Bounded Flows. <i>Geophysical Monograph Series</i> , 2014 , 83-100 | 1.1 | |
| 130 | The Streamwise Turbulence Intensity – A Comparison between Smooth and Rough Wall Turbulent Boundary Layers. <i>Springer Proceedings in Physics</i> , 2014 , 97-101 | 0.2 | |
| 129 | An Experimental Study of a Rotating-Disk Turbulent Boundary-Layer Flow. <i>Springer Proceedings in Physics</i> , 2014 , 173-176 | 0.2 | 1 |
| 128 | On the laminar-turbulent transition of the rotating-disk flow: the role of absolute instability. <i>Journal of Fluid Mechanics</i> , 2014 , 745, 132-163 | 3.7 | 30 |

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| 127 | The Characteristics of Turbulence in Curved Pipes under Highly Pulsatile Flow Conditions. <i>Springer Proceedings in Physics</i> , 2014 , 183-187 | 0.2 | |
| 126 | Revisiting the Near-Wall Scaling of the Streamwise Variance in Turbulent Pipe Flows. <i>Springer Proceedings in Physics</i> , 2014 , 113-119 | 0.2 | 1 |
| 125 | Turbulent Structures in Canopy Flows. <i>Research Topics in Wind Energy</i> , 2014 , 85-91 | 0.2 | |
| 124 | Turbulent boundary layers over flat plates and rotating disks—The legacy of von Kármán: A Stockholm perspective. <i>European Journal of Mechanics, B/Fluids</i> , 2013 , 40, 17-29 | 2.4 | 9 |
| 123 | Scaling Laws in Canopy Flows: A Wind-Tunnel Analysis. <i>Boundary-Layer Meteorology</i> , 2013 , 148, 269-283 | 3.4 | 14 |
| 122 | Correcting hot-wire spatial resolution effects in third- and fourth-order velocity moments in wall-bounded turbulence. <i>Experiments in Fluids</i> , 2013 , 54, 1 | 2.5 | 14 |
| 121 | An experimental study of edge effects on rotating-disk transition. <i>Journal of Fluid Mechanics</i> , 2013 , 716, 638-657 | 3.7 | 29 |
| 120 | Outer-layer turbulence intensities in smooth- and rough-wall boundary layers. <i>Journal of Fluid Mechanics</i> , 2013 , 727, 119-131 | 3.7 | 40 |
| 119 | Vortical patterns in turbulent flow downstream a 90° curved pipe at high Womersley numbers. <i>International Journal of Heat and Fluid Flow</i> , 2013 , 44, 692-699 | 2.4 | 15 |
| 118 | Comment on the scaling of the near-wall streamwise variance peak in turbulent pipe flows. <i>Experiments in Fluids</i> , 2013 , 54, 1 | 2.5 | 22 |
| 117 | Uncertainty analysis of the von Kármán constant. <i>Experiments in Fluids</i> , 2013 , 54, 1 | 2.5 | 20 |
| 116 | A simplified vortex model of propeller and wind-turbine wakes. <i>Journal of Fluid Mechanics</i> , 2013 , 725, 91-116 | 3.7 | 27 |
| 115 | Velocity measurements of streamwise roll cells in rotating plane Couette flow. <i>Experiments in Fluids</i> , 2013 , 54, 1 | 2.5 | 91 |
| 114 | Enhancing the signal-to-noise ratio of pressure sensitive paint data by singular value decomposition. <i>Measurement Science and Technology</i> , 2013 , 24, 075301 | 2 | 25 |
| 113 | Obtaining accurate mean velocity measurements in high Reynolds number turbulent boundary layers using Pitot tubes. <i>Journal of Fluid Mechanics</i> , 2013 , 715, 642-670 | 3.7 | 48 |
| 112 | Design and Tests of Wind-Tunnel Sidewalls for Receptivity Experiments on a Swept Wing. <i>Applied Mechanics and Materials</i> , 2013 , 390, 96-102 | 0.3 | 2 |
| 111 | Dean vortices in turbulent flows: rocking or rolling?. <i>Journal of Visualization</i> , 2012 , 15, 37-38 | 1.6 | 17 |
| 110 | A new formulation for the streamwise turbulence intensity distribution in wall-bounded turbulent flows. <i>European Journal of Mechanics, B/Fluids</i> , 2012 , 36, 167-175 | 2.4 | 51 |

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| 109 | A flow facility for the characterization of pulsatile flows. <i>Flow Measurement and Instrumentation</i> , 2012 , 26, 10-17 | 2.2 | 15 |
| 108 | Techniques for the Eduction of Coherent Structures from Flow Measurements in the Atmospheric Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2012 , 143, 433-450 | 3-4 | 8 |
| 107 | Experimental investigation on the effect of pulsations on exhaust manifold-related flows aiming at improved efficiency 2012 , 377-387 | | 7 |
| 106 | Experimental analysis of turbocharger interaction with a pulsatile flow through time-resolved flow measurements upstream and downstream of the turbine 2012 , 405-415 | | 2 |
| 105 | A new way to describe the transition characteristics of a rotating-disk boundary-layer flow. <i>Physics of Fluids</i> , 2012 , 24, 031701 | 4-4 | 27 |
| 104 | Pressure fluctuation in high-Reynolds-number turbulent boundary layer: results from experiments and DNS. <i>Journal of Turbulence</i> , 2012 , 13, N50 | 2.1 | 17 |
| 103 | A New Way to Determine the Wall Position and Friction Velocity in Wall-Bounded Turbulent Flows. <i>Springer Proceedings in Physics</i> , 2012 , 181-185 | 0.2 | |
| 102 | Fluid Mechanics of Papermaking. <i>Annual Review of Fluid Mechanics</i> , 2011 , 43, 195-217 | 22 | 147 |
| 101 | Pulsatile turbulent flow through pipe bends at high Dean and Womersley numbers. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 092023 | 0.3 | 2 |
| 100 | A method to correct third and fourth order moments in turbulent flows. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 042023 | 0.3 | 2 |
| 99 | An experimental analysis of canopy flows. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 072018 | 0.3 | 1 |
| 98 | A new formulation for the streamwise turbulence intensity distribution. <i>Journal of Physics: Conference Series</i> , 2011 , 318, 022002 | 0.3 | 2 |
| 97 | The viscous sublayer revisited—Exploiting self-similarity to determine the wall position and friction velocity. <i>Experiments in Fluids</i> , 2011 , 51, 271-280 | 2.5 | 34 |
| 96 | A method to estimate turbulence intensity and transverse Taylor microscale in turbulent flows from spatially averaged hot-wire data. <i>Experiments in Fluids</i> , 2011 , 51, 693-700 | 2.5 | 42 |
| 95 | The life of a vortex in an axisymmetric jet. <i>Journal of Visualization</i> , 2011 , 14, 5-6 | 1.6 | 3 |
| 94 | The upstream flow of a wind turbine: blockage effect. <i>Wind Energy</i> , 2011 , 14, 691-697 | 3-4 | 64 |
| 93 | Boundary layer receptivity to free-stream turbulence and surface roughness over a swept flat plate. <i>Physics of Fluids</i> , 2011 , 23, 034107 | 4-4 | 12 |
| 92 | A new scaling for the streamwise turbulence intensity in wall-bounded turbulent flows and what it tells us about the Butterfield peak. <i>Physics of Fluids</i> , 2011 , 23, 041702 | 4-4 | 96 |

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| 91 | Time-resolved measurements with a vortex flowmeter in a pulsating turbulent flow using wavelet analysis. <i>Measurement Science and Technology</i> , 2010 , 21, 123001 | 2 | 13 |
| 90 | Experimental study on the use of the wake instability as a passive control in coaxial jet flows. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2010 , 361-366 | 0.3 | 1 |
| 89 | Flow regimes in a plane Couette flow with system rotation. <i>Journal of Fluid Mechanics</i> , 2010 , 648, 5-33 | 3.7 | 64 |
| 88 | On spatial resolution issues related to time-averaged quantities using hot-wire anemometry. <i>Experiments in Fluids</i> , 2010 , 49, 101-110 | 2.5 | 42 |
| 87 | On near wall measurements of wall bounded flows – the necessity of an accurate determination of the wall position. <i>Progress in Aerospace Sciences</i> , 2010 , 46, 353-387 | 8.8 | 71 |
| 86 | On the robustness of separation control by streamwise vortices. <i>European Journal of Mechanics, B/Fluids</i> , 2010 , 29, 9-17 | 2.4 | 14 |
| 85 | The diagnostic plot – a litmus test for wall bounded turbulence data. <i>European Journal of Mechanics, B/Fluids</i> , 2010 , 29, 403-406 | 2.4 | 52 |
| 84 | Turbulence stripe in transitional channel flow with/without system rotation. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2010 , 421-426 | 0.3 | 9 |
| 83 | Evolution Of Traveling Crossflow Modes Over A Swept Flat Plate. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2010 , 231-236 | 0.3 | |
| 82 | Effect of oblique waves on jet turbulence. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2010 , 541-544 | 0.3 | |
| 81 | CICLOPE – response to the need for high Reynolds number experiments. <i>Fluid Dynamics Research</i> , 2009 , 41, 021407 | 1.2 | 41 |
| 80 | Streamwise evolution of longitudinal vortices in a turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2009 , 623, 27-58 | 3.7 | 44 |
| 79 | Turbulence Enhancement in Coaxial Jet Flows by Means of Vortex Shedding. <i>Springer Proceedings in Physics</i> , 2009 , 235-238 | 0.2 | 1 |
| 78 | Turbulent boundary layers up to $Re_{\tau} = 2500$ studied through simulation and experiment. <i>Physics of Fluids</i> , 2009 , 21, 051702 | 4.4 | 161 |
| 77 | CICLOPE – A Large Pipe Facility for Detailed Turbulence Measurements at High Reynolds Number. <i>Springer Proceedings in Physics</i> , 2009 , 73-77 | 0.2 | 1 |
| 76 | Measurements of the Flow Upstream a Rotating Wind Turbine Model. <i>Springer Proceedings in Physics</i> , 2009 , 87-90 | 0.2 | 1 |
| 75 | The Effect of Oblique Waves on Jet Turbulence. <i>Springer Proceedings in Physics</i> , 2009 , 231-234 | 0.2 | |
| 74 | On imperfect hot-wire resolution issues and their effect on mean quantities. <i>Springer Proceedings in Physics</i> , 2009 , 605-608 | 0.2 | |

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| 73 | The diagnostic plot - a new way to appraise turbulent boundary-layer data. <i>Springer Proceedings in Physics</i> , 2009 , 609-612 | 0.2 | |
| 72 | Scaling of mixed structure functions in turbulent boundary layers. <i>Physics of Fluids</i> , 2008 , 20, 045101 | 4.4 | 26 |
| 71 | On the scaling of turbulent separating boundary layers. <i>Physics of Fluids</i> , 2008 , 20, 075104 | 4.4 | 12 |
| 70 | An Experimental Study of the Near-Field Mixing Characteristics of a Swirling Jet. <i>Flow, Turbulence and Combustion</i> , 2008 , 80, 323-350 | 2.5 | 27 |
| 69 | Measurements behind model wind turbines: further evidence of wake meandering. <i>Wind Energy</i> , 2008 , 11, 211-217 | 3.4 | 54 |
| 68 | Near-field dynamics of a turbulent round jet with moderate swirl. <i>International Journal of Heat and Fluid Flow</i> , 2008 , 29, 675-686 | 2.4 | 12 |
| 67 | Shear Effect on Pressure and Particle Acceleration in High-Reynolds-Number Turbulence. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2008 , 177-182 | 0.3 | |
| 66 | A study of swirling turbulent pipe and jet flows. <i>Physics of Fluids</i> , 2007 , 19, 035105 | 4.4 | 33 |
| 65 | Pressure statistics and their scaling in high-Reynolds-number turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2007 , 585, 1-40 | 3.7 | 127 |
| 64 | Experimental observations of instabilities in rotating plane Couette flow. <i>Physics of Fluids</i> , 2007 , 19, 048103 | 4.4 | 23 |
| 63 | Measurements on a wind turbine wake: 3D effects and bluff body vortex shedding. <i>Wind Energy</i> , 2006 , 9, 219-236 | 3.4 | 232 |
| 62 | CONTROL OF TURBULENT BOUNDARY LAYERS BY UNIFORM WALL SUCTION AND BLOWING 2006 , 437-442 | | 2 |
| 61 | Transition induced by free-stream turbulence. <i>Journal of Fluid Mechanics</i> , 2005 , 527, 1-25 | 3.7 | 135 |
| 60 | Control of thermocapillary instabilities far from threshold. <i>Physics of Fluids</i> , 2005 , 17, 104109 | 4.4 | 2 |
| 59 | Instability, Transition and Turbulence in Plane Couette Flow with System Rotation 2005 , 173-193 | | 5 |
| 58 | Free stream turbulence induced disturbances in boundary layers with wall suction. <i>Physics of Fluids</i> , 2004 , 16, 3530-3539 | 4.4 | 28 |
| 57 | Streamwise scaling of streaks in laminar boundary layers subjected to free-stream turbulence. <i>Physics of Fluids</i> , 2004 , 16, 1814-1817 | 4.4 | 9 |
| 56 | The counter-rotating core of a swirling turbulent jet issued from a rotating pipe flow. <i>Physics of Fluids</i> , 2004 , 16, L71-L73 | 4.4 | 9 |

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| 55 | On the hydrodynamic stability of channel flow with cross flow. <i>Physics of Fluids</i> , 2003 , 15, 436-441 | 4.4 | 21 |
| 54 | Velocity statistics and flow structures observed in bypass transition using stereo PTV. <i>Experiments in Fluids</i> , 2003 , 34, 242-252 | 2.5 | 10 |
| 53 | On the disturbance growth in an asymptotic suction boundary layer. <i>Journal of Fluid Mechanics</i> , 2003 , 482, 51-90 | 3.7 | 72 |
| 52 | Experimental investigation of streaky structures in a relaminarizing boundary layer. <i>Journal of Turbulence</i> , 2002 , 3, N18 | 2.1 | 10 |
| 51 | Disturbance growth in boundary layers subjected to free-stream turbulence. <i>Journal of Fluid Mechanics</i> , 2001 , 430, 149-168 | 3.7 | 298 |
| 50 | Measurements with a flow direction boundary-layer probe in a two-dimensional laminar separation bubble. <i>Experiments in Fluids</i> , 2000 , 28, 236-242 | 2.5 | 9 |
| 49 | An experimental investigation of the response of hot-wire X-probes in shear flows. <i>Experiments in Fluids</i> , 2000 , 28, 425-435 | 2.5 | 9 |
| 48 | Experiments on a two-dimensional laminar separation bubble. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 3193-3205 | 3 | 53 |
| 47 | Control of streaky structures by localized blowing and suction 2000 , 161-166 | | |
| 46 | Feed-forward Control of Streak Instabilities in Plane Poiseuille Flow by Localized Suction 2000 , 229-234 | | |
| 45 | Experiments on the stability of streamwise streaks in plane Poiseuille flow. <i>Physics of Fluids</i> , 1999 , 11, 915-930 | 4.4 | 58 |
| 44 | Experiments on localized disturbances in a flat plate boundary layer. Part 1. The receptivity and evolution of a localized free stream disturbance. <i>European Journal of Mechanics, B/Fluids</i> , 1998 , 17, 823-846 | 3.4 | 39 |
| 43 | An experimental study of oblique transition in plane Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 1998 , 358, 177-202 | 3.7 | 40 |
| 42 | Boundary Layer Transition at High Levels of Free Stream Turbulence 1998 , | | 5 |
| 41 | Secondary instability in rotating channel flow. <i>Journal of Fluid Mechanics</i> , 1998 , 368, 27-50 | 3.7 | 23 |
| 40 | Large Scale Structures in Turbulent Plane Couette Flow. <i>Fluid Mechanics and Its Applications</i> , 1998 , 59-62 | 0.2 | 6 |
| 39 | Experimental study of heat and momentum transfer in rotating channel flow. <i>Physics of Fluids</i> , 1996 , 8, 2964-2973 | 4.4 | 12 |
| 38 | Experiments On Rotating Plane Couette Flow. <i>Fluid Mechanics and Its Applications</i> , 1996 , 391-394 | 0.2 | 16 |

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| 37 | An investigation of turbulent plane Couette flow at low Reynolds numbers. <i>Journal of Fluid Mechanics</i> , 1995 , 286, 291-325 | 3.7 | 145 |
| 36 | Structures in Turbulent Plane Couette Flow Obtained from Correlation Measurements. <i>Fluid Mechanics and Its Applications</i> , 1995 , 502-507 | 0.2 | 2 |
| 35 | Experiments on Secondary Instability of Channel Flow with Body Forces 1995 , 229-236 | | |
| 34 | Turbulent spots in channel flows. <i>Journal of Engineering Mathematics</i> , 1994 , 28, 21-42 | 1.2 | 9 |
| 33 | On Rayleigh instability in decaying plane Couette flow. <i>Flow, Turbulence and Combustion</i> , 1994 , 53, 187-196 | | 1 |
| 32 | Experiments in a boundary layer subjected to free stream turbulence. Part 1. Boundary layer structure and receptivity. <i>Journal of Fluid Mechanics</i> , 1994 , 281, 193-218 | 3.7 | 251 |
| 31 | Experiments in a boundary layer subjected to free stream turbulence. Part 2. The role of TS-waves in the transition process. <i>Journal of Fluid Mechanics</i> , 1994 , 281, 219-245 | 3.7 | 108 |
| 30 | The effect of spanwise system rotation on Dean vortices. <i>Journal of Fluid Mechanics</i> , 1994 , 274, 243-265 | 3.7 | 27 |
| 29 | Symmetry properties of developing three-dimensional laminar disturbances in plane Poiseuille flow. <i>Physics of Fluids</i> , 1994 , 6, 1618-1620 | 4.4 | 1 |
| 28 | Secondary instability and breakdown to turbulence in curved channel flow. <i>Flow, Turbulence and Combustion</i> , 1993 , 51, 9-14 | | 4 |
| 27 | Turbulence in plane Couette flow. <i>Flow, Turbulence and Combustion</i> , 1993 , 51, 237-241 | | 9 |
| 26 | Turbulence in Plane Couette Flow. <i>Fluid Mechanics and Its Applications</i> , 1993 , 237-241 | 0.2 | 2 |
| 25 | Secondary Instability and Breakdown to Turbulence in Curved Channel Flow. <i>Fluid Mechanics and Its Applications</i> , 1993 , 9-14 | 0.2 | |
| 24 | Experiments on instabilities in curved channel flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992 , 4, 1666-1676 | | 19 |
| 23 | Experiments on transition in plane Couette flow. <i>Journal of Fluid Mechanics</i> , 1992 , 235, 89 | 3.7 | 232 |
| 22 | Numerical and experimental results for developing curved channel flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991 , 3, 1473-1476 | | 8 |
| 21 | Evolution and dynamics of shear-layer structures in near-wall turbulence. <i>Journal of Fluid Mechanics</i> , 1991 , 224, 579-599 | 3.7 | 115 |
| 20 | Experiments on the Evolution of a Point-like Disturbance in Plane Poiseuille Flow into a Turbulent Spot 1991 , 182-188 | | 4 |

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|----|---|-----|-----|
| 19 | An Experimental Study of Transition in Plane Couette Flow 1991 , 235-242 | | 5 |
| 18 | Turbulent spots in plane Poiseuille flow [Measurements of the velocity field. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990 , 2, 2183-2195 | | 9 |
| 17 | Curvature- and rotation-induced instabilities in channel flow. <i>Journal of Fluid Mechanics</i> , 1990 , 210, 537-563 | 3.7 | 65 |
| 16 | On the Development of Turbulent Spots in Plane Poiseuille Flow 1990 , 43-52 | | 1 |
| 15 | Instabilities in Rotating Channel Flow. <i>Advances in Soil Science</i> , 1990 , 313-329 | | 2 |
| 14 | Instabilities in channel flow with system rotation. <i>Journal of Fluid Mechanics</i> , 1989 , 202, 543-557 | 3.7 | 80 |
| 13 | An Experimental Study of the Velocity Field of Turbulent Spots in Plane Poiseuille Flow 1989 , 9-14 | | 1 |
| 12 | Turbulence Experiments [Instrumentation and Processing of Data 1989 , 230-243 | | |
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