# John K Eaton

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 154 papers | 6,808 citations | 37 h-index | 80 g-index |
| 162 ext. papers | 7,718 ext. citations | 2.9 avg, IF | 6.21 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 154 | Turbulent scalar flux in inclined jets in crossflow: counter gradient transport and deep learning modelling. *Journal of Fluid Mechanics*, **2021**, 906, | 3.7 | 17 |
| 153 | Velocity and concentration field measurements and large eddy simulation of a shaped film cooling hole. *International Journal of Heat and Fluid Flow*, **2021**, 90, 108837 | 2.4 | 3 |
| 152 | Isotropic turbulence apparatus with a large vertical extent. *Experiments in Fluids*, **2021**, 62, 1 | 2.5 | 0 |
| 151 | Magnetic Resonance Imaging measurements of scalar dispersion for a scaled urban transient release. *Building and Environment*, **2021**, 205, 108163 | 6.5 | 0 |
| 150 | On the generality of tensor basis neural networks for turbulent scalar flux modeling. *International Communications in Heat and Mass Transfer*, **2021**, 128, 105626 | 5.8 | 5 |
| 149 | In Vitro Assessment of Right Ventricular Outflow Tract Anatomy and Valve Orientation Effects on Bioprosthetic Pulmonary Valve Hemodynamics. *Cardiovascular Engineering and Technology*, **2021**, 12, 215-231 | 2.2 | 1 |
| 148 | Temperature statistics in a radiatively heated particle-laden turbulent square duct flow. *International Journal of Heat and Fluid Flow*, **2020**, 84, 108618 | 2.4 | 6 |
| 147 | Transport and dispersion of particle-Laden streaks in a standardized human nasal geometry. *Experiments in Fluids*, **2020**, 61, 1 | 2.5 | 0 |
| 146 | The 2019 MRV challenge: turbulent flow through a U-bend. *Experiments in Fluids*, **2020**, 61, 1 | 2.5 | 3 |
| 145 | An improved three-dimensional concentration measurement technique using magnetic resonance imaging. *Experiments in Fluids*, **2020**, 61, 1 | 2.5 | 4 |
| 144 | Generalization of Machine-Learned Turbulent Heat Flux Models Applied to Film Cooling Flows. *Journal of Turbomachinery*, **2020**, 142, | 1.8 | 10 |
| 143 | The Discrete Green's Function for Convective Heat Transfer—Part 1: Definition and Physical Understanding. *Journal of Heat Transfer*, **2020**, 142, | 1.8 | 2 |
| 142 | Large-eddy simulation study of unsteady wake dynamics and geometric sensitivity on a skewed bump. *Journal of Fluid Mechanics*, **2020**, 885, | 3.7 | 1 |
| 141 | Shear layer of inclined jets in crossflow studied with spectral proper orthogonal decomposition and spectral transfer entropy. *International Journal of Heat and Mass Transfer*, **2020**, 147, 118972 | 4.9 | 3 |
| 140 | Stochastic modeling of direct radiation transmission in particle-laden turbulent flow. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2019**, 226, 1-18 | 2.1 | 12 |
| 139 | Experimental Study of Periodic Free Stream Unsteadiness Effects on Discrete Hole Film Cooling in Two Geometries. *Journal of Turbomachinery*, **2019**, 141, | 1.8 | 3 |
| 138 | 3D MRI measurements of the effects of wind direction on flow characteristics and contaminant dispersion in a model urban canopy. *Environmental Fluid Mechanics*, **2019**, 19, 851-878 | 2.2 | 6 |

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| 137 | Effects of motion on MRI signal decay from micron-scale particles. *Journal of Magnetic Resonance*, **2019**, 305, 152-161 | 3 | 2 |
| 136 | Enriching MRI mean flow data of inclined jets in crossflow with Large Eddy Simulations. *International Journal of Heat and Fluid Flow*, **2019**, 80, 108472 | 2.4 | 9 |
| 135 | Physical Interpretation of Machine Learning Models Applied to Film Cooling Flows. *Journal of Turbomachinery*, **2019**, 141, | 1.8 | 18 |
| 134 | Measurements in discrete hole film cooling behavior with periodic freestream unsteadiness. *Experiments in Fluids*, **2018**, 59, 1 | 2.5 | 7 |
| 133 | A Machine Learning Approach for Determining the Turbulent Diffusivity in Film Cooling Flows. *Journal of Turbomachinery*, **2018**, 140, | 1.8 | 32 |
| 132 | Investigation of geometric sensitivity of a non-axisymmetric bump: 3D mean velocity measurements. *Experiments in Fluids*, **2018**, 59, 1 | 2.5 | 4 |
| 131 | Experimental Study of Periodic Free Stream Unsteadiness Effects on Discrete Hole Film Cooling in Two Geometries **2018**, | | 1 |
| 130 | Unsteady vortex structures in the wake of nonaxisymmetric bumps using spiral MRV. *Experiments in Fluids*, **2018**, 59, 1 | 2.5 | 2 |
| 129 | 3D Measurements of coupled freestream turbulence and secondary flow effects on film cooling. *Experiments in Fluids*, **2018**, 59, 1 | 2.5 | 1 |
| 128 | Development and validation of an MRI-based method for 3D particle concentration measurement. *International Journal of Heat and Fluid Flow*, **2018**, 71, 275-287 | 2.4 | 4 |
| 127 | Turbulent Scalar Mixing in a Skewed Jet in Crossflow: Experiments and Modeling. *Flow, Turbulence and Combustion*, **2017**, 98, 781-801 | 2.5 | 18 |
| 126 | Oscillatory flow in the human airways from the mouth through several bronchial generations. *International Journal of Heat and Fluid Flow*, **2016**, 61, 45-57 | 2.4 | 18 |
| 125 | Film Cooling Effectiveness Improvements Using a Nondiffusing Oval Hole. *Journal of Turbomachinery*, **2016**, 138, | 1.8 | 3 |
| 124 | Three-dimensional flow field around and downstream of a subscale model rotating vertical axis wind turbine. *Experiments in Fluids*, **2016**, 57, 1 | 2.5 | 43 |
| 123 | Analysis of Turbulent Scalar Flux Models for a Discrete Hole Film Cooling Flow. *Journal of Turbomachinery*, **2016**, 138, | 1.8 | 24 |
| 122 | Validation of magnetic resonance concentration measurements with adiabatic wall temperature measurements. *Experiments in Fluids*, **2016**, 57, 1 | 2.5 | 2 |
| 121 | Validation of Magnetic Resonance Thermometry through Experimental and Computational Approaches **2016**, | | 5 |
| 120 | Near Wall Modeling for Trailing Edge Slot Film Cooling. *Journal of Fluids Engineering, Transactions of the ASME*, **2015**, 137, | 2.1 | 6 |

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| 119 | Building Block Experiments in Discrete Hole Film Cooling **2015**, | | 4 |
| 118 | Quantitative MRI Measurements of Hot Streak Development in a Turbine Vane Cascade **2015**, | | 2 |
| 117 | The Effect of Land Taper Angle on Trailing Edge Slot Film Cooling. *Journal of Turbomachinery*, **2015**, 137, | 1.8 | 9 |
| 116 | Optimal Turbulent Schmidt Number for RANS Modeling of Trailing Edge Slot Film Cooling. *Journal of Engineering for Gas Turbines and Power*, **2015**, 137, | 1.7 | 11 |
| 115 | Shock boundary layer interactions in a low aspect ratio duct. *International Journal of Heat and Fluid Flow*, **2015**, 51, 353-371 | 2.4 | 12 |
| 114 | Analysis of oxide (Al2O3, CuO, and ZnO) and CNT nanoparticles disaggregation effect on the thermal conductivity and the viscosity of nanofluids. *International Journal of Precision Engineering and Manufacturing*, **2014**, 15, 703-710 | 1.7 | 16 |
| 113 | Comparison of magnetic resonance concentration measurements in water to temperature measurements in compressible air flows. *Experiments in Fluids*, **2014**, 55, 1 | 2.5 | 11 |
| 112 | A matching pursuit approach to solenoidal filtering of three-dimensional velocity measurements. *Journal of Computational Physics*, **2014**, 263, 206-221 | 4.1 | 34 |
| 111 | Sensitivity of an asymmetric, three-dimensional diffuser to inlet condition perturbations. *International Journal of Heat and Fluid Flow*, **2014**, 49, 100-107 | 2.4 | 4 |
| 110 | A comprehensive model of magnetic particle motion during magnetic drug targeting. *International Journal of Multiphase Flow*, **2014**, 59, 173-185 | 3.6 | 37 |
| 109 | Optimal Turbulent Schmidt Number for RANS Modeling of Trailing Edge Slot Film Cooling **2014**, | | 2 |
| 108 | Three-Dimensional Mass Fraction Distribution of a Spray Measured by X-Ray Computed Tomography. *Journal of Engineering for Gas Turbines and Power*, **2014**, 136, | 1.7 | 14 |
| 107 | Endwall Vortex Effects on Turbulent Dispersion of Film Coolant in a Turbine Vane Cascade **2014**, | | 1 |
| 106 | Confinement effects in shock wave/turbulent boundary layer interactions through wall-modelled large-eddy simulations. *Journal of Fluid Mechanics*, **2014**, 758, 5-62 | 3.7 | 70 |
| 105 | Flow Separation Control in an Annular to Conical Diffuser Using Two-Dimensional and Three-Dimensional Wall Steps. *Journal of Fluids Engineering, Transactions of the ASME*, **2013**, 135, | 2.1 | 2 |
| 104 | Experimental-Based Redesigns for Trailing Edge Film Cooling of Gas Turbine Blades. *Journal of Turbomachinery*, **2013**, 135, | 1.8 | 4 |
| 103 | Local mass transfer measurements for corals and other complex geometries using gypsum dissolution. *Experiments in Fluids*, **2013**, 54, 1 | 2.5 | 5 |
| 102 | Shear thinning effects on blood flow in straight and curved tubes. *Physics of Fluids*, **2013**, 25, 073104 | 4.4 | 29 |

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| 101 | An inclined jet in crossflow under the effect of streamwise pressure gradients. *Experiments in Fluids* , **2013**, 54, 1 | 2.5 | 18 |
| 100 | Three-Dimensional Velocity and Scalar Field Measurements of an Airfoil Trailing Edge With Slot Film Cooling: The Effect of an Internal Structure in the Slot. *Journal of Turbomachinery*, **2013**, 135, | 1.8 | 11 |
| 99 | Experimentally informed optimization of turbulent diffusivity for a discrete hole film cooling geometry. *International Journal of Heat and Fluid Flow*, **2013**, 44, 348-357 | 2.4 | 13 |
| 98 | Measurements of a Trailing Edge Slot Film Cooling Geometry Designed for Reduced Coolant Flowrate and High Surface Effectiveness **2013**, | | 3 |
| 97 | Heat Transfer Coefficient Measurements on the Film-Cooled Pressure Surface of a Transonic Airfoil. *Journal of Turbomachinery*, **2013**, 135, | 1.8 | 2 |
| 96 | Heat Transfer and Pressure Drop of Lotus-Type Porous Metals. *Journal of Heat Transfer*, **2013**, 135, | 1.8 | 8 |
| 95 | Separation control in a conical diffuser with an annular inlet: center body wake separation. *Experiments in Fluids*, **2012**, 53, 1317-1326 | 2.5 | 14 |
| 94 | Effects of varying Reynolds number, blowing ratio, and internal geometry on trailing edge cutback film cooling. *Experiments in Fluids*, **2012**, 52, 1415-1430 | 2.5 | 24 |
| 93 | Three-Dimensional Velocity Measurements of Film Cooling Flow Under Favorable Pressure Gradient **2012**, | | 2 |
| 92 | Experimental-Based Redesigns for Trailing Edge Film Cooling of Gas Turbine Blades **2012**, | | 1 |
| 91 | 3D Velocity and Scalar Field Measurements of an Airfoil Trailing Edge With Slot Film Cooling: The Effect of an Internal Structure in the Slot **2012**, | | 2 |
| 90 | Magnetic Resonance Imaging Studies of Flow and Mixing for Single-Hole Film Cooling **2011**, | | 1 |
| 89 | Full-field measurements of flow through a scaled metal foam replica. *Experiments in Fluids*, **2011**, 50, 1571-1585 | 2.5 | 32 |
| 88 | Measurements of 3D velocity and scalar field for a film-cooled airfoil trailing edge. *Experiments in Fluids*, **2011**, 51, 443-455 | 2.5 | 45 |
| 87 | Sub-Kolmogorov resolution partical image velocimetry measurements of particle-laden forced turbulence. *Journal of Fluid Mechanics*, **2010**, 643, 177-206 | 3.7 | 67 |
| 86 | Film Effectiveness Measurements on the Pressure Surface of a Transonic Airfoil. *Journal of Propulsion and Power*, **2010**, 26, 837-847 | 1.8 | 9 |
| 85 | Nanofluid Convection in Microtubes. *Journal of Heat Transfer*, **2010**, 132, | 1.8 | 27 |
| 84 | An Experimental Study of the Flow Around a Formula One Racing Car Tire. *Journal of Fluids Engineering, Transactions of the ASME*, **2010**, 132, | 2.1 | 14 |

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| 83 | Turbulent Dispersed Multiphase Flow. *Annual Review of Fluid Mechanics*, **2010**, 42, 111-133 | 22 | 928 |
| 82 | Particle size, magnetic field, and blood velocity effects on particle retention in magnetic drug targeting. *Medical Physics*, **2010**, 37, 175-82 | 4.4 | 63 |
| 81 | Heat transfer coefficient measurements on the pressure surface of a transonic airfoil. *Experiments in Fluids*, **2010**, 48, 185-196 | 2.5 | 3 |
| 80 | Three-dimensional concentration field measurements in a mixing layer using magnetic resonance imaging. *Experiments in Fluids*, **2010**, 49, 43-55 | 2.5 | 42 |
| 79 | Heat transfer measurements for jet impingement arrays with local extraction. *International Journal of Heat and Fluid Flow*, **2010**, 31, 460-467 | 2.4 | 23 |
| 78 | Three-dimensional velocity measurements in annular diffuser segments including the effects of upstream strut wakes. *International Journal of Heat and Fluid Flow*, **2010**, 31, 569-575 | 2.4 | 5 |
| 77 | Convective Performance of Nanofluids in a Laminar Thermally Developing Tube Flow. *Journal of Heat Transfer*, **2009**, 131, | 1.8 | 39 |
| 76 | A Method for Determining the Heat Transfer Properties of Foam-Fins. *Journal of Heat Transfer*, **2009**, 131, | 1.8 | 15 |
| 75 | Full-Field Flow Measurements and Heat Transfer of a Compact Jet Impingement Array With Local Extraction of Spent Fluid. *Journal of Heat Transfer*, **2009**, 131, | 1.8 | 15 |
| 74 | Three-dimensional magnetic resonance velocimetry measurements of turbulence quantities in complex flow. *Experiments in Fluids*, **2009**, 46, 285-296 | 2.5 | 43 |
| 73 | Two-way coupled turbulence simulations of gas-particle flows using point-particle tracking. *International Journal of Multiphase Flow*, **2009**, 35, 792-800 | 3.6 | 120 |
| 72 | Pressure measurements in a three-dimensional separated diffuser. *International Journal of Heat and Fluid Flow*, **2009**, 30, 1-2 | 2.4 | 24 |
| 71 | Evaluation of Alternatives for Two-Dimensional Linear Cascade Facilities. *Journal of Turbomachinery* , **2009**, 131, | 1.8 | 5 |
| 70 | Diffusion, aggregation, and the thermal conductivity of nanofluids. *Applied Physics Letters*, **2008**, 93, 103110 | 3.4 | 60 |
| 69 | Classification of turbulence modification by dispersed spheres using a novel dimensionless number. *Physical Review Letters*, **2008**, 101, 114502 | 7.4 | 77 |
| 68 | High resolution PIV measurements around a model turbine blade trailing edge film-cooling breakout. *Experiments in Fluids*, **2008**, 44, 199-209 | 2.5 | 21 |
| 67 | Geometric sensitivity of three-dimensional separated flows. *International Journal of Heat and Fluid Flow*, **2008**, 29, 803-811 | 2.4 | 76 |
| 66 | Investigation of two-phase transport phenomena in microchannels using a microfabricated experimental structure. *Applied Thermal Engineering*, **2007**, 27, 1728-1733 | 5.8 | 5 |

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| 65 | A correction method for measuring turbulence kinetic energy dissipation rate by PIV. *Experiments in Fluids*, **2007**, 42, 893-902 | 2.5 | 89 |
| 64 | Thermochromic liquid crystal temperature measurements through a borescope imaging system. *Experiments in Fluids*, **2007**, 43, 475 | 2.5 | 6 |
| 63 | Angular effects on thermochromic liquid crystal thermography. *Experiments in Fluids*, **2007**, 43, 929-937 | 2.5 | 17 |
| 62 | Wake Vortex Control Using Static Segmented Gurney Flaps. *AIAA Journal*, **2007**, 45, 321-328 | 2.1 | 17 |
| 61 | Novel Aerodynamic Device for Wake Vortex Alleviation. *AIAA Journal*, **2007**, 45, 2350-2352 | 2.1 | 3 |
| 60 | Discrete Green's Function Measurements in a Serpentine Cooling Passage. *Journal of Heat Transfer*, **2007**, 129, 1686-1696 | 1.8 | 9 |
| 59 | Optically Based Rapid Heat Transfer Measurements in Complex Internal Flows. *Journal of Heat Transfer*, **2007**, 129, 1655-1665 | 1.8 | 2 |
| 58 | Wake Vortex Alleviation Using Rapidly Actuated Segmented Gurney Flaps. *AIAA Journal*, **2007**, 45, 1874-1884 | 2.1 | 22 |
| 57 | Active Water Management for PEM Fuel Cells. *Journal of the Electrochemical Society*, **2007**, 154, B1049 | 3.9 | 54 |
| 56 | Water management in proton exchange membrane fuel cells using integrated electroosmotic pumping. *Journal of Power Sources*, **2006**, 161, 191-202 | 8.9 | 94 |
| 55 | Reynolds number scaling in a non-equilibrium turbulent boundary layer with mild adverse pressure gradient. *International Journal of Heat and Fluid Flow*, **2006**, 27, 566-575 | 2.4 | 7 |
| 54 | Two-Phase Microfluidics for Semiconductor Circuits and Fuel Cells. *Heat Transfer Engineering*, **2006**, 27, 53-63 | 1.7 | 12 |
| 53 | Homogeneous and isotropic turbulence modulation by small heavy () particles. *Journal of Fluid Mechanics*, **2006**, 564, 361 | 3.7 | 78 |
| 52 | Turbulence measurements in a transonic two-passage turbine cascade. *Experiments in Fluids*, **2006**, 40, 897-917 | 2.5 | 10 |
| 51 | On Momentum Coupling Methods for Calculation of Turbulence Attenuation in Dilute Particle-Laden Gas Flows **2006**, 39-42 | | 1 |
| 50 | Discrete Green's Function Measurements in Internal Flows. *Journal of Heat Transfer*, **2005**, 127, 692-698 | 1.8 | 13 |
| 49 | Discrete Green's Function Measurements in a Single Passage Turbine Model. *Journal of Heat Transfer*, **2005**, 127, 366-377 | 1.8 | 11 |
| 48 | Fully resolved simulations of particle-turbulence interaction. *Journal of Fluid Mechanics*, **2005**, 545, 67 | 3.7 | 134 |

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| 47 | Convective Heat Transfer Near One-Dimensional and Two-Dimensional Wall Temperature Steps. *Journal of Heat Transfer*, **2004**, 126, 202-210 | 1.8 | 8 |
| 46 | Effects of Wall Roughness on Particle Velocities in a Turbulent Channel Flow. *Journal of Fluids Engineering, Transactions of the ASME*, **2004**, 127, 250 | 2.1 | 41 |
| 45 | Spanwise Response Variation for Partial-Span Gurney-Type Flaps. *AIAA Journal*, **2004**, 42, 1640-1643 | 2.1 | 8 |
| 44 | Dynamic Flow Response Due to Motion of Partial-Span Gurney-Type Flaps. *AIAA Journal*, **2004**, 42, 1729-1736 | 2.1 | 6 |
| 43 | Flow structures of a separating, reattaching, and recovering boundary layer for a large range of Reynolds number. *Experiments in Fluids*, **2004**, 36, 642-653 | 2.5 | 17 |
| 42 | Parameters controlling roughness effects in a separating boundary layer. *International Journal of Heat and Fluid Flow*, **2004**, 25, 444-450 | 2.4 | 11 |
| 41 | Experimental Investigation and Visualization of Two-Phase Flow and Water Transport in Microchannels **2004**, | | 3 |
| 40 | 1D Homogeneous Modeling of Microchannel Two-Phase Flow With Distributed Liquid Water Injection From Walls **2004**, | | 2 |
| 39 | High-resolution simulations of particle□eddy interactions. *Powder Technology*, **2002**, 125, 104-110 | 5.2 | 5 |
| 38 | Analysis of a Fractional-Step Method on Overset Grids. *Journal of Computational Physics*, **2002**, 177, 336-364 | 4.1 | 33 |
| 37 | Experimental Aerodynamics of Mesoscale Trailing-Edge Actuators. *AIAA Journal*, **2002**, 40, 2538-2540 | 2.1 | 10 |
| 36 | Practical Experience With the Discrete Green□ Function Approach to Convective Heat Transfer. *Journal of Heat Transfer*, **2001**, 123, 70-76 | 1.8 | 16 |
| 35 | Structure of a swirling, recirculating coaxial free jet and its effect on particle motion. *International Journal of Multiphase Flow*, **2001**, 27, 949-970 | 3.6 | 31 |
| 34 | On the preferential concentration of solid particles in turbulent channel flow. *Journal of Fluid Mechanics*, **2001**, 428, 149-169 | 3.7 | 228 |
| 33 | A Novel Mini Calibrator for Thermochromic Liquid Crystals. *Journal of Heat Transfer*, **2001**, 123, 604-607 | 1.8 | 4 |
| 32 | Turbulent heat and momentum transport on a rotating disk. *Journal of Fluid Mechanics*, **2000**, 402, 225-253 | 3.7 | 27 |
| 31 | A general method for calculating the heat island correction and uncertainties for button gauges. *Measurement Science and Technology*, **2000**, 11, 920-932 | 2 | 8 |
| 30 | Reynolds-number scaling of the flat-plate turbulent boundary layer. *Journal of Fluid Mechanics*, **2000**, 422, 319-346 | 3.7 | 555 |

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|---|---|---|---|
| 29 | Experimental Investigation of Flow Through an Asymmetric Plane Diffuser. *Journal of Fluids Engineering, Transactions of the ASME*, **2000**, 122, 433-435 | 2.1 | 56 |
| 28 | Effect of Injected Longitudinal Vorticity on Particle Dispersion in a Swirling, Coaxial Jet. *Journal of Fluids Engineering, Transactions of the ASME*, **1999**, 121, 766-772 | 2.1 | 10 |
| 27 | Turbulence modification by particles in a backward-facing step flow. *Journal of Fluid Mechanics*, **1999**, 394, 97-117 | 3.7 | 143 |
| 26 | The effect of Reynolds number on boundary layer turbulence. *Experimental Thermal and Fluid Science*, **1998**, 18, 341-346 | 3 | 15 |
| 25 | Near-wall measurements in a three-dimensional turbulent boundary layer. *Journal of Fluid Mechanics*, **1997**, 350, 189-208 | 3.7 | 15 |
| 24 | Particle response in a planar sudden expansion flow. *Experimental Thermal and Fluid Science*, **1997**, 15, 413-423 | 3 | 23 |
| 23 | Effects of mean flow three dimensionality on turbulent boundary-layer structure. *AIAA Journal*, **1995**, 33, 2020-2025 | 2.1 | 37 |
| 22 | An Experimental Investigation of the Flow Between Corotating Disks with Through-Hub Ventilation Using LDA **1995**, 5-27 | | |
| 21 | Active open-loop control of particle dispersion in round jets. *AIAA Journal*, **1994**, 32, 555-563 | 2.1 | 20 |
| 20 | Experiments and Simulations on Turbulence Modification by Dispersed Particles. *Applied Mechanics Reviews*, **1994**, 47, S44-S48 | 8.6 | 15 |
| 19 | Illuminant invariant calibration of thermochromic liquid crystals. *Experimental Thermal and Fluid Science*, **1994**, 9, 1-12 | 3 | 100 |
| 18 | Preferential concentration of heavy particles in a turbulent channel flow. *Physics of Fluids*, **1994**, 6, 3742-3749 | 4.4 | 336 |
| 17 | Near field of a coaxial jet with and without axial excitation. *AIAA Journal*, **1994**, 32, 542-546 | 2.1 | 54 |
| 16 | Turbulence characteristics of the boundary layer on a rotating disk. *Journal of Fluid Mechanics*, **1994** , 266, 175-207 | 3.7 | 82 |
| 15 | Diverging boundary layers with zero streamwise pressure gradient and no wall curvature. *AIAA Journal*, **1993**, 31, 2212-2219 | 2.1 | 4 |
| 14 | Experimental Investigation of the Three-Dimensional Boundary Layer on a Rotating Disk **1993**, 403-414 | | 0 |
| 13 | Turbulence measurements for a longitudinal vortex interacting with athree-dimensional turbulent boundary layer. *AIAA Journal*, **1992**, 30, 49-55 | 2.1 | 31 |
| 12 | Control of jet structure by crown-shaped nozzles. *AIAA Journal*, **1992**, 30, 505-512 | 2.1 | 60 |

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|---|---|---|---|
| 11 | Structure of a particle-laden round jet. *Journal of Fluid Mechanics*, **1992**, 236, 217-257 | 3.7 | 265 |
| 10 | Lagrangian and Eulerian statistics obtained from direct numerical simulations of homogeneous turbulence. *Physics of Fluids A, Fluid Dynamics*, **1991**, 3, 130-143 | | 50 |
| 9 | Unsteady flowfield behind a vortex generator rapidly pitched to angle of attack. *AIAA Journal*, **1991** , 29, 577-584 | 2.1 | 4 |
| 8 | Preferential concentration of particles by turbulence. *Physics of Fluids A, Fluid Dynamics*, **1991**, 3, 1169-1178 | | 582 |
| 7 | Measurements of particle dispersion obtained from direct numerical simulations of isotropic turbulence. *Journal of Fluid Mechanics*, **1991**, 226, 1-35 | 3.7 | 206 |
| 6 | Particle response and turbulence modification in isotropic turbulence. *Physics of Fluids A, Fluid Dynamics*, **1990**, 2, 1191-1203 | | 405 |
| 5 | Reynolds stress development in pressure-driven three-dimensional turbulent boundary layers. *Journal of Fluid Mechanics*, **1989**, 202, 263-294 | 3.7 | 63 |
| 4 | The flow between shrouded corotating disks. *Physics of Fluids A, Fluid Dynamics*, **1989**, 1, 241-251 | | 61 |
| 3 | Experimental study of the development of longitudinal vortex pairs embedded in a turbulent boundary layer. *AIAA Journal*, **1988**, 26, 816-823 | 2.1 | 160 |
| 2 | THE EFFECTS OF LONGITUDINAL VORTICES EMBEDDED IN A TURBULENT BOUNDARY LAYER ON MOMENTUM AND THERMAL TRANSPORT **1986**, | | 9 |
| 1 | An experimental investigation of gas-particle flows through diffusers in the freeboard region of fluidized beds. *International Journal of Multiphase Flow*, **1985**, 11, 659-674 | 3.6 | 9 |