

# John K Eaton

## List of Publications by Citations

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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 Dispersed Multiphase Flow. <i>Annual Review of Fluid Mechanics</i> , <b>2010</b> , 42, 111-133	22	928
153	Preferential concentration of particles by turbulence. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1991</b> , 3, 1169-1178		582
152	Reynolds-number scaling of the flat-plate turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 422, 319-346	3.7	555
151	Particle response and turbulence modification in isotropic turbulence. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1990</b> , 2, 1191-1203		405
150	Preferential concentration of heavy particles in a turbulent channel flow. <i>Physics of Fluids</i> , <b>1994</b> , 6, 3742-3749	3.7	336
149	Structure of a particle-laden round jet. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 236, 217-257	3.7	265
148	On the preferential concentration of solid particles in turbulent channel flow. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 428, 149-169	3.7	228
147	Measurements of particle dispersion obtained from direct numerical simulations of isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 226, 1-35	3.7	206
146	Experimental study of the development of longitudinal vortex pairs embedded in a turbulent boundary layer. <i>AIAA Journal</i> , <b>1988</b> , 26, 816-823	2.1	160
145	Turbulence modification by particles in a backward-facing step flow. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 394, 97-117	3.7	143
144	Fully resolved simulations of particle-turbulence interaction. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 545, 67	3.7	134
143	Two-way coupled turbulence simulations of gas-particle flows using point-particle tracking. <i>International Journal of Multiphase Flow</i> , <b>2009</b> , 35, 792-800	3.6	120
142	Illuminant invariant calibration of thermochromic liquid crystals. <i>Experimental Thermal and Fluid Science</i> , <b>1994</b> , 9, 1-12	3	100
141	Water management in proton exchange membrane fuel cells using integrated electroosmotic pumping. <i>Journal of Power Sources</i> , <b>2006</b> , 161, 191-202	8.9	94
140	A correction method for measuring turbulence kinetic energy dissipation rate by PIV. <i>Experiments in Fluids</i> , <b>2007</b> , 42, 893-902	2.5	89
139	Turbulence characteristics of the boundary layer on a rotating disk. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 266, 175-207	3.7	82
138	Homogeneous and isotropic turbulence modulation by small heavy () particles. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 564, 361	3.7	78

137	Classification of turbulence modification by dispersed spheres using a novel dimensionless number. <i>Physical Review Letters</i> , <b>2008</b> , 101, 114502	7.4	77
136	Geometric sensitivity of three-dimensional separated flows. <i>International Journal of Heat and Fluid Flow</i> , <b>2008</b> , 29, 803-811	2.4	76
135	Confinement effects in shock wave/turbulent boundary layer interactions through wall-modelled large-eddy simulations. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 758, 5-62	3.7	70
134	Sub-Kolmogorov resolution particle image velocimetry measurements of particle-laden forced turbulence. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 643, 177-206	3.7	67
133	Particle size, magnetic field, and blood velocity effects on particle retention in magnetic drug targeting. <i>Medical Physics</i> , <b>2010</b> , 37, 175-82	4.4	63
132	Reynolds stress development in pressure-driven three-dimensional turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 202, 263-294	3.7	63
131	The flow between shrouded corotating disks. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1989</b> , 1, 241-251		61
130	Diffusion, aggregation, and the thermal conductivity of nanofluids. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 103110	3.4	60
129	Control of jet structure by crown-shaped nozzles. <i>AIAA Journal</i> , <b>1992</b> , 30, 505-512	2.1	60
128	Experimental Investigation of Flow Through an Asymmetric Plane Diffuser. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2000</b> , 122, 433-435	2.1	56
127	Active Water Management for PEM Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, B1049	3.9	54
126	Near field of a coaxial jet with and without axial excitation. <i>AIAA Journal</i> , <b>1994</b> , 32, 542-546	2.1	54
125	Lagrangian and Eulerian statistics obtained from direct numerical simulations of homogeneous turbulence. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1991</b> , 3, 130-143		50
124	Measurements of 3D velocity and scalar field for a film-cooled airfoil trailing edge. <i>Experiments in Fluids</i> , <b>2011</b> , 51, 443-455	2.5	45
123	Three-dimensional flow field around and downstream of a subscale model rotating vertical axis wind turbine. <i>Experiments in Fluids</i> , <b>2016</b> , 57, 1	2.5	43
122	Three-dimensional magnetic resonance velocimetry measurements of turbulence quantities in complex flow. <i>Experiments in Fluids</i> , <b>2009</b> , 46, 285-296	2.5	43
121	Three-dimensional concentration field measurements in a mixing layer using magnetic resonance imaging. <i>Experiments in Fluids</i> , <b>2010</b> , 49, 43-55	2.5	42
120	Effects of Wall Roughness on Particle Velocities in a Turbulent Channel Flow. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2004</b> , 127, 250	2.1	41

119	Convective Performance of Nanofluids in a Laminar Thermally Developing Tube Flow. <i>Journal of Heat Transfer</i> , <b>2009</b> , 131,	1.8	39
118	A comprehensive model of magnetic particle motion during magnetic drug targeting. <i>International Journal of Multiphase Flow</i> , <b>2014</b> , 59, 173-185	3.6	37
117	Effects of mean flow three dimensionality on turbulent boundary-layer structure. <i>AIAA Journal</i> , <b>1995</b> , 33, 2020-2025	2.1	37
116	A matching pursuit approach to solenoidal filtering of three-dimensional velocity measurements. <i>Journal of Computational Physics</i> , <b>2014</b> , 263, 206-221	4.1	34
115	Analysis of a Fractional-Step Method on Overset Grids. <i>Journal of Computational Physics</i> , <b>2002</b> , 177, 336-364	3.6	33
114	Full-field measurements of flow through a scaled metal foam replica. <i>Experiments in Fluids</i> , <b>2011</b> , 50, 1571-1585	2.5	32
113	A Machine Learning Approach for Determining the Turbulent Diffusivity in Film Cooling Flows. <i>Journal of Turbomachinery</i> , <b>2018</b> , 140,	1.8	32
112	Structure of a swirling, recirculating coaxial free jet and its effect on particle motion. <i>International Journal of Multiphase Flow</i> , <b>2001</b> , 27, 949-970	3.6	31
111	Turbulence measurements for a longitudinal vortex interacting with a three-dimensional turbulent boundary layer. <i>AIAA Journal</i> , <b>1992</b> , 30, 49-55	2.1	31
110	Shear thinning effects on blood flow in straight and curved tubes. <i>Physics of Fluids</i> , <b>2013</b> , 25, 073104	4.4	29
109	Nanofluid Convection in Microtubes. <i>Journal of Heat Transfer</i> , <b>2010</b> , 132,	1.8	27
108	Turbulent heat and momentum transport on a rotating disk. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 402, 225-253	3.7	27
107	Effects of varying Reynolds number, blowing ratio, and internal geometry on trailing edge cutback film cooling. <i>Experiments in Fluids</i> , <b>2012</b> , 52, 1415-1430	2.5	24
106	Pressure measurements in a three-dimensional separated diffuser. <i>International Journal of Heat and Fluid Flow</i> , <b>2009</b> , 30, 1-2	2.4	24
105	Analysis of Turbulent Scalar Flux Models for a Discrete Hole Film Cooling Flow. <i>Journal of Turbomachinery</i> , <b>2016</b> , 138,	1.8	24
104	Heat transfer measurements for jet impingement arrays with local extraction. <i>International Journal of Heat and Fluid Flow</i> , <b>2010</b> , 31, 460-467	2.4	23
103	Particle response in a planar sudden expansion flow. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 15, 413-423	3	23
102	Wake Vortex Alleviation Using Rapidly Actuated Segmented Gurney Flaps. <i>AIAA Journal</i> , <b>2007</b> , 45, 1874-1884	1.8	22

101	High resolution PIV measurements around a model turbine blade trailing edge film-cooling breakout. <i>Experiments in Fluids</i> , <b>2008</b> , 44, 199-209	2.5	21
100	Active open-loop control of particle dispersion in round jets. <i>AIAA Journal</i> , <b>1994</b> , 32, 555-563	2.1	20
99	Turbulent Scalar Mixing in a Skewed Jet in Crossflow: Experiments and Modeling. <i>Flow, Turbulence and Combustion</i> , <b>2017</b> , 98, 781-801	2.5	18
98	Oscillatory flow in the human airways from the mouth through several bronchial generations. <i>International Journal of Heat and Fluid Flow</i> , <b>2016</b> , 61, 45-57	2.4	18
97	An inclined jet in crossflow under the effect of streamwise pressure gradients. <i>Experiments in Fluids</i> , <b>2013</b> , 54, 1	2.5	18
96	Physical Interpretation of Machine Learning Models Applied to Film Cooling Flows. <i>Journal of Turbomachinery</i> , <b>2019</b> , 141,	1.8	18
95	Angular effects on thermochromic liquid crystal thermography. <i>Experiments in Fluids</i> , <b>2007</b> , 43, 929-937	2.5	17
94	Wake Vortex Control Using Static Segmented Gurney Flaps. <i>AIAA Journal</i> , <b>2007</b> , 45, 321-328	2.1	17
93	Flow structures of a separating, reattaching, and recovering boundary layer for a large range of Reynolds number. <i>Experiments in Fluids</i> , <b>2004</b> , 36, 642-653	2.5	17
92	Turbulent scalar flux in inclined jets in crossflow: counter gradient transport and deep learning modelling. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 906,	3.7	17
91	Analysis of oxide (Al <sub>2</sub> O <sub>3</sub> , CuO, and ZnO) and CNT nanoparticles disaggregation effect on the thermal conductivity and the viscosity of nanofluids. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2014</b> , 15, 703-710	1.7	16
90	Practical Experience With the Discrete Green's Function Approach to Convective Heat Transfer. <i>Journal of Heat Transfer</i> , <b>2001</b> , 123, 70-76	1.8	16
89	A Method for Determining the Heat Transfer Properties of Foam-Fins. <i>Journal of Heat Transfer</i> , <b>2009</b> , 131,	1.8	15
88	Full-Field Flow Measurements and Heat Transfer of a Compact Jet Impingement Array With Local Extraction of Spent Fluid. <i>Journal of Heat Transfer</i> , <b>2009</b> , 131,	1.8	15
87	Near-wall measurements in a three-dimensional turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 350, 189-208	3.7	15
86	The effect of Reynolds number on boundary layer turbulence. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 18, 341-346	3	15
85	Experiments and Simulations on Turbulence Modification by Dispersed Particles. <i>Applied Mechanics Reviews</i> , <b>1994</b> , 47, S44-S48	8.6	15
84	Three-Dimensional Mass Fraction Distribution of a Spray Measured by X-Ray Computed Tomography. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2014</b> , 136,	1.7	14

83	Separation control in a conical diffuser with an annular inlet: center body wake separation. <i>Experiments in Fluids</i> , <b>2012</b> , 53, 1317-1326	2.5	14
82	An Experimental Study of the Flow Around a Formula One Racing Car Tire. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2010</b> , 132,	2.1	14
81	Experimentally informed optimization of turbulent diffusivity for a discrete hole film cooling geometry. <i>International Journal of Heat and Fluid Flow</i> , <b>2013</b> , 44, 348-357	2.4	13
80	Discrete Green's Function Measurements in Internal Flows. <i>Journal of Heat Transfer</i> , <b>2005</b> , 127, 692-698	1.8	13
79	Stochastic modeling of direct radiation transmission in particle-laden turbulent flow. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2019</b> , 226, 1-18	2.1	12
78	Shock boundary layer interactions in a low aspect ratio duct. <i>International Journal of Heat and Fluid Flow</i> , <b>2015</b> , 51, 353-371	2.4	12
77	Two-Phase Microfluidics for Semiconductor Circuits and Fuel Cells. <i>Heat Transfer Engineering</i> , <b>2006</b> , 27, 53-63	1.7	12
76	Comparison of magnetic resonance concentration measurements in water to temperature measurements in compressible air flows. <i>Experiments in Fluids</i> , <b>2014</b> , 55, 1	2.5	11
75	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. <i>Journal of Turbomachinery</i> , <b>2013</b> , 135,	1.8	11
74	Optimal Turbulent Schmidt Number for RANS Modeling of Trailing Edge Slot Film Cooling. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2015</b> , 137,	1.7	11
73	Discrete Green's Function Measurements in a Single Passage Turbine Model. <i>Journal of Heat Transfer</i> , <b>2005</b> , 127, 366-377	1.8	11
72	Parameters controlling roughness effects in a separating boundary layer. <i>International Journal of Heat and Fluid Flow</i> , <b>2004</b> , 25, 444-450	2.4	11
71	Turbulence measurements in a transonic two-passage turbine cascade. <i>Experiments in Fluids</i> , <b>2006</b> , 40, 897-917	2.5	10
70	Experimental Aerodynamics of Mesoscale Trailing-Edge Actuators. <i>AIAA Journal</i> , <b>2002</b> , 40, 2538-2540	2.1	10
69	Effect of Injected Longitudinal Vorticity on Particle Dispersion in a Swirling, Coaxial Jet. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>1999</b> , 121, 766-772	2.1	10
68	Generalization of Machine-Learned Turbulent Heat Flux Models Applied to Film Cooling Flows. <i>Journal of Turbomachinery</i> , <b>2020</b> , 142,	1.8	10
67	Enriching MRI mean flow data of inclined jets in crossflow with Large Eddy Simulations. <i>International Journal of Heat and Fluid Flow</i> , <b>2019</b> , 80, 108472	2.4	9
66	The Effect of Land Taper Angle on Trailing Edge Slot Film Cooling. <i>Journal of Turbomachinery</i> , <b>2015</b> , 137,	1.8	9

65	Film Effectiveness Measurements on the Pressure Surface of a Transonic Airfoil. <i>Journal of Propulsion and Power</i> , <b>2010</b> , 26, 837-847	1.8	9
64	Discrete Green's Function Measurements in a Serpentine Cooling Passage. <i>Journal of Heat Transfer</i> , <b>2007</b> , 129, 1686-1696	1.8	9
63	An experimental investigation of gas-particle flows through diffusers in the freeboard region of fluidized beds. <i>International Journal of Multiphase Flow</i> , <b>1985</b> , 11, 659-674	3.6	9
62	THE EFFECTS OF LONGITUDINAL VORTICES EMBEDDED IN A TURBULENT BOUNDARY LAYER ON MOMENTUM AND THERMAL TRANSPORT <b>1986</b> ,		9
61	Heat Transfer and Pressure Drop of Lotus-Type Porous Metals. <i>Journal of Heat Transfer</i> , <b>2013</b> , 135,	1.8	8
60	Convective Heat Transfer Near One-Dimensional and Two-Dimensional Wall Temperature Steps. <i>Journal of Heat Transfer</i> , <b>2004</b> , 126, 202-210	1.8	8
59	Spanwise Response Variation for Partial-Span Gurney-Type Flaps. <i>AIAA Journal</i> , <b>2004</b> , 42, 1640-1643	2.1	8
58	A general method for calculating the heat island correction and uncertainties for button gauges. <i>Measurement Science and Technology</i> , <b>2000</b> , 11, 920-932	2	8
57	Measurements in discrete hole film cooling behavior with periodic freestream unsteadiness. <i>Experiments in Fluids</i> , <b>2018</b> , 59, 1	2.5	7
56	Reynolds number scaling in a non-equilibrium turbulent boundary layer with mild adverse pressure gradient. <i>International Journal of Heat and Fluid Flow</i> , <b>2006</b> , 27, 566-575	2.4	7
55	3D MRI measurements of the effects of wind direction on flow characteristics and contaminant dispersion in a model urban canopy. <i>Environmental Fluid Mechanics</i> , <b>2019</b> , 19, 851-878	2.2	6
54	Near Wall Modeling for Trailing Edge Slot Film Cooling. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2015</b> , 137,	2.1	6
53	Temperature statistics in a radiatively heated particle-laden turbulent square duct flow. <i>International Journal of Heat and Fluid Flow</i> , <b>2020</b> , 84, 108618	2.4	6
52	Thermochromic liquid crystal temperature measurements through a borescope imaging system. <i>Experiments in Fluids</i> , <b>2007</b> , 43, 475	2.5	6
51	Dynamic Flow Response Due to Motion of Partial-Span Gurney-Type Flaps. <i>AIAA Journal</i> , <b>2004</b> , 42, 1729-1736		6
50	Local mass transfer measurements for corals and other complex geometries using gypsum dissolution. <i>Experiments in Fluids</i> , <b>2013</b> , 54, 1	2.5	5
49	Evaluation of Alternatives for Two-Dimensional Linear Cascade Facilities. <i>Journal of Turbomachinery</i> , <b>2009</b> , 131,	1.8	5
48	Three-dimensional velocity measurements in annular diffuser segments including the effects of upstream strut wakes. <i>International Journal of Heat and Fluid Flow</i> , <b>2010</b> , 31, 569-575	2.4	5

47	Investigation of two-phase transport phenomena in microchannels using a microfabricated experimental structure. <i>Applied Thermal Engineering</i> , <b>2007</b> , 27, 1728-1733	5.8	5
46	High-resolution simulations of particle-eddy interactions. <i>Powder Technology</i> , <b>2002</b> , 125, 104-110	5.2	5
45	Validation of Magnetic Resonance Thermometry through Experimental and Computational Approaches <b>2016</b> ,		5
44	On the generality of tensor basis neural networks for turbulent scalar flux modeling. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 128, 105626	5.8	5
43	An improved three-dimensional concentration measurement technique using magnetic resonance imaging. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	4
42	Sensitivity of an asymmetric, three-dimensional diffuser to inlet condition perturbations. <i>International Journal of Heat and Fluid Flow</i> , <b>2014</b> , 49, 100-107	2.4	4
41	Experimental-Based Redesigns for Trailing Edge Film Cooling of Gas Turbine Blades. <i>Journal of Turbomachinery</i> , <b>2013</b> , 135,	1.8	4
40	Building Block Experiments in Discrete Hole Film Cooling <b>2015</b> ,		4
39	Diverging boundary layers with zero streamwise pressure gradient and no wall curvature. <i>AIAA Journal</i> , <b>1993</b> , 31, 2212-2219	2.1	4
38	Unsteady flowfield behind a vortex generator rapidly pitched to angle of attack. <i>AIAA Journal</i> , <b>1991</b> , 29, 577-584	2.1	4
37	A Novel Mini Calibrator for Thermochromic Liquid Crystals. <i>Journal of Heat Transfer</i> , <b>2001</b> , 123, 604-607	1.8	4
36	Investigation of geometric sensitivity of a non-axisymmetric bump: 3D mean velocity measurements. <i>Experiments in Fluids</i> , <b>2018</b> , 59, 1	2.5	4
35	Development and validation of an MRI-based method for 3D particle concentration measurement. <i>International Journal of Heat and Fluid Flow</i> , <b>2018</b> , 71, 275-287	2.4	4
34	Experimental Study of Periodic Free Stream Unsteadiness Effects on Discrete Hole Film Cooling in Two Geometries. <i>Journal of Turbomachinery</i> , <b>2019</b> , 141,	1.8	3
33	The 2019 MRV challenge: turbulent flow through a U-bend. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	3
32	Film Cooling Effectiveness Improvements Using a Nondiffusing Oval Hole. <i>Journal of Turbomachinery</i> , <b>2016</b> , 138,	1.8	3
31	Measurements of a Trailing Edge Slot Film Cooling Geometry Designed for Reduced Coolant Flowrate and High Surface Effectiveness <b>2013</b> ,		3
30	Heat transfer coefficient measurements on the pressure surface of a transonic airfoil. <i>Experiments in Fluids</i> , <b>2010</b> , 48, 185-196	2.5	3



29	Novel Aerodynamic Device for Wake Vortex Alleviation. <i>AIAA Journal</i> , <b>2007</b> , 45, 2350-2352	2.1	3
28	Experimental Investigation and Visualization of Two-Phase Flow and Water Transport in Microchannels <b>2004</b> ,		3
27	Shear layer of inclined jets in crossflow studied with spectral proper orthogonal decomposition and spectral transfer entropy. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 147, 118972	4.9	3
26	Velocity and concentration field measurements and large eddy simulation of a shaped film cooling hole. <i>International Journal of Heat and Fluid Flow</i> , <b>2021</b> , 90, 108837	2.4	3
25	Effects of motion on MRI signal decay from micron-scale particles. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 305, 152-161	3	2
24	Flow Separation Control in an Annular to Conical Diffuser Using Two-Dimensional and Three-Dimensional Wall Steps. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2013</b> , 135,	2.1	2
23	Quantitative MRI Measurements of Hot Streak Development in a Turbine Vane Cascade <b>2015</b> ,		2
22	Optimal Turbulent Schmidt Number for RANS Modeling of Trailing Edge Slot Film Cooling <b>2014</b> ,		2
21	Heat Transfer Coefficient Measurements on the Film-Cooled Pressure Surface of a Transonic Airfoil. <i>Journal of Turbomachinery</i> , <b>2013</b> , 135,	1.8	2
20	Three-Dimensional Velocity Measurements of Film Cooling Flow Under Favorable Pressure Gradient <b>2012</b> ,		2
19	3D Velocity and Scalar Field Measurements of an Airfoil Trailing Edge With Slot Film Cooling: The Effect of an Internal Structure in the Slot <b>2012</b> ,		2
18	Optically Based Rapid Heat Transfer Measurements in Complex Internal Flows. <i>Journal of Heat Transfer</i> , <b>2007</b> , 129, 1655-1665	1.8	2
17	The Discrete Green's Function for Convective Heat Transfer Part 1: Definition and Physical Understanding. <i>Journal of Heat Transfer</i> , <b>2020</b> , 142,	1.8	2
16	1D Homogeneous Modeling of Microchannel Two-Phase Flow With Distributed Liquid Water Injection From Walls <b>2004</b> ,		2
15	Validation of magnetic resonance concentration measurements with adiabatic wall temperature measurements. <i>Experiments in Fluids</i> , <b>2016</b> , 57, 1	2.5	2
14	Unsteady vortex structures in the wake of nonaxisymmetric bumps using spiral MRV. <i>Experiments in Fluids</i> , <b>2018</b> , 59, 1	2.5	2
13	Endwall Vortex Effects on Turbulent Dispersion of Film Coolant in a Turbine Vane Cascade <b>2014</b> ,		1
12	Magnetic Resonance Imaging Studies of Flow and Mixing for Single-Hole Film Cooling <b>2011</b> ,		1

11	Experimental-Based Redesigns for Trailing Edge Film Cooling of Gas Turbine Blades <b>2012</b> ,		1
10	Large-eddy simulation study of unsteady wake dynamics and geometric sensitivity on a skewed bump. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 885,	3.7	1
9	Experimental Study of Periodic Free Stream Unsteadiness Effects on Discrete Hole Film Cooling in Two Geometries <b>2018</b> ,		1
8	3D Measurements of coupled freestream turbulence and secondary flow effects on film cooling. <i>Experiments in Fluids</i> , <b>2018</b> , 59, 1	2.5	1
7	In Vitro Assessment of Right Ventricular Outflow Tract Anatomy and Valve Orientation Effects on Bioprosthetic Pulmonary Valve Hemodynamics. <i>Cardiovascular Engineering and Technology</i> , <b>2021</b> , 12, 215-231	2.2	1
6	On Momentum Coupling Methods for Calculation of Turbulence Attenuation in Dilute Particle-Laden Gas Flows <b>2006</b> , 39-42		1
5	Transport and dispersion of particle-Laden streaks in a standardized human nasal geometry. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	0
4	Experimental Investigation of the Three-Dimensional Boundary Layer on a Rotating Disk <b>1993</b> , 403-414		0
3	Isotropic turbulence apparatus with a large vertical extent. <i>Experiments in Fluids</i> , <b>2021</b> , 62, 1	2.5	0
2	Magnetic Resonance Imaging measurements of scalar dispersion for a scaled urban transient release. <i>Building and Environment</i> , <b>2021</b> , 205, 108163	6.5	0
1	An Experimental Investigation of the Flow Between Corotating Disks with Through-Hub Ventilation Using LDA <b>1995</b> , 5-27		