

Nobuhide Kasagi

List of Publications by Year in descending order

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157
papers

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times ranked

3181
citing authors

#	ARTICLE	IF	CITATIONS
1	Active control of coaxial jet mixing with manipulation of primary vortical structures by arrayed micro flap actuators. <i>Journal of Turbulence</i> , 2015, 16, 411-441.	0.5	2
2	Modification of quasi-streamwise vortical structure in a drag-reduced turbulent channel flow with spanwise wall oscillation. <i>Physics of Fluids</i> , 2014, 26, .	1.6	41
3	Quantitative Study on the Correlation Between Solid Oxide Fuel Cell Ni-YSZ Composite Anode Performance and Sintering Temperature Based on Three-dimensional Reconstruction. <i>Journal of the Electrochemical Society</i> , 2012, 159, F278-F286.	1.3	35
4	Quantitative Characterization of SOFC Nickel-YSZ Anode Microstructure Degradation Based on Focused-Ion-Beam 3D-Reconstruction Technique. <i>Journal of the Electrochemical Society</i> , 2012, 159, B285-B291.	1.3	76
5	Numerical Simulation of SOFC Electrode Polarization Using Three-Dimensional Microstructure Reconstructed by FIB-SEM. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1385, 1.	0.1	1
6	The influence of frequency-limited and noise-contaminated sensing on reactive turbulence control schemes. <i>Journal of Turbulence</i> , 2012, 13, N16.	0.5	0
7	Control of Turbulent Transport: Less Friction and More Heat Transfer. <i>Journal of Heat Transfer</i> , 2012, 134, .	1.2	28
8	The effect of liquid film evaporation on flow boiling heat transfer in a micro tube. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 547-555.	2.5	30
9	Study on degradation of solid oxide fuel cell anode by using pure nickel electrode. <i>Journal of Power Sources</i> , 2011, 196, 8366-8376.	4.0	18
10	Active Control of Swirling Coaxial Jet Mixing with Manipulation of Large-Scale Vortical Structures. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 399-418.	1.4	18
11	Study on local morphological changes of nickel in solid oxide fuel cell anode using porous Ni pellet electrode. <i>Journal of Power Sources</i> , 2011, 196, 1019-1029.	4.0	77
12	An ultra-fast fabrication technique for anode support solid oxide fuel cells by microwave. <i>Journal of Power Sources</i> , 2011, 196, 5490-5493.	4.0	12
13	Measurement of liquid film thickness in a micro parallel channel with interferometer and laser focus displacement meter. <i>International Journal of Multiphase Flow</i> , 2011, 37, 36-45.	1.6	36
14	Macromol. Biosci. 7/2011. <i>Macromolecular Bioscience</i> , 2011, 11, .	2.1	0
15	Evaluation of SOFC anode polarization simulation using three-dimensional microstructures reconstructed by FIB tomography. <i>Electrochimica Acta</i> , 2011, 56, 4015-4021.	2.6	132
16	Three-dimensional numerical analysis of mixed ionic and electronic conducting cathode reconstructed by focused ion beam scanning electron microscope. <i>Journal of Power Sources</i> , 2011, 196, 3073-3082.	4.0	122
17	On the Friction Drag Reduction Effect by a Control of Large-Scale Turbulent Structures. <i>Journal of Fluid Science and Technology</i> , 2010, 5, 574-584.	0.2	10
18	Optimal Shape Design of Compact Heat Exchangers Based on Adjoint Analysis of Momentum and Heat Transfer. <i>Journal of Thermal Science and Technology</i> , 2010, 5, 24-35.	0.6	14

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19	Control of Turbulent Transport: Less Friction and More Heat Transfer. , 2010, , .		5
20	Thermal and Electrochemical Cell Design and Its Experimental Assessment for Micro SOFC System. , 2010, , .		0
21	Mechanism of Drag Reduction by Pre-Determined Spatio-Temporally Periodic Control of Wall Turbulence(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 555-562.	0.2	4
22	Conversion Efficiency of Micro-Plasma Actuator for Flow Control(<Special Issue>The 1st Symposium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf of Mechanical Engineers, Part C, 2010, 76, 1914-1916.	0.2	1
23	Quantification of SOFC anode microstructure based on dual beam FIB-SEM technique. Journal of Power Sources, 2010, 195, 955-961.	4.0	374
24	Comparison of ultra-fast microwave sintering and conventional thermal sintering in manufacturing of anode support solid oxide fuel cell. Journal of Power Sources, 2010, 195, 8019-8027.	4.0	26
25	Performance of an anode support solid oxide fuel cell manufactured by microwave sintering. Journal of Power Sources, 2010, 195, 151-154.	4.0	16
26	Heat transfer modelling of gasâ€“liquid slug flow without phase change in a micro tube. International Journal of Heat and Fluid Flow, 2010, 31, 126-136.	1.1	49
27	Friction drag reduction through damping of the near-wall spanwise velocity fluctuation. International Journal of Heat and Fluid Flow, 2010, 31, 434-441.	1.1	9
28	Theoretical Considerations about Near-Wall Turbulence and Resulting Flow Control Schemes. Proceedings in Applied Mathematics and Mechanics, 2010, 10, 743-746.	0.2	0
29	Three-dimensional Simulation of SOFC Anode Polarization Based on Electrochemical Local Equilibrium(<Special Issue>The 14th National Symposium on Power and Energy System). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 418-419.	0.2	0
30	Numerical Assessment of SOFC Anode Polarization Based on Three-Dimensional Model Microstructure Reconstructed from FIB-SEM Images. Journal of the Electrochemical Society, 2010, 157, B665.	1.3	151
31	Flow Visualization and Local Measurement of Forced Convection Heat Transfer in a Microtube. Journal of Heat Transfer, 2010, 132, .	1.2	22
32	Low-voltage droplet manipulation using liquid dielectrophoresis on electret. Journal of Micromechanics and Microengineering, 2010, 20, 085043.	1.5	25
33	Oil droplet manipulation using liquid dielectrophoresis on electret with superlyophobic surfaces. , 2010, , .		1
34	Large-amplitude MEMS electret generator with nonlinear spring. , 2010, , .		38
35	Secondary-flow-induced label-free continuous cell sorting using antibody-immobilized micro oblique grooves. , 2010, , .		1
36	MNM-P9-3 Label-Free Continuous Micro Cell Sorting Using Specific Wall Adhesion And Secondary Flow. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2010, 2010.2, 127-128.	0.0	0

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37	C233 Comparison of ultra-fast microwave sintering and conventional thermal sintering in manufacturing of anode support solid oxide fuel cell. The Proceedings of the Thermal Engineering Conference, 2010, 2010, 291-292.	0.0	0
38	F105 Efficiency Prediction of Thermophotovoltaic with Metal-coated Silicon Microcavity. The Proceedings of the National Symposium on Power and Energy Systems, 2010, 2010.15, 211-212.	0.0	0
39	Effect of nonlinear external circuit on electrostatic damping force of micro electret generator. , 2009, , .		13
40	Label-free continuous cell sorter with specifically adhesive oblique micro-grooves. Journal of Micromechanics and Microengineering, 2009, 19, 125002.	1.5	14
41	Three-Dimensional Numerical Simulation of Ni-YSZ Anode Polarization Using Reconstructed Microstructure from FIB-SEM Images. ECS Transactions, 2009, 25, 1829-1836.	0.3	9
42	Hybrid DNS/LES of high Schmidt number mass transfer across turbulent air-water interface. International Journal of Heat and Mass Transfer, 2009, 52, 1012-1022.	2.5	28
43	Low-pass filtering effects of viscous sublayer on high Schmidt number mass transfer close to a solid wall. International Journal of Heat and Fluid Flow, 2009, 30, 525-533.	1.1	28
44	On the lower bound of net driving power in controlled duct flows. Physica D: Nonlinear Phenomena, 2009, 238, 1082-1086.	1.3	52
45	Microstructure and polarization characteristics of anode supported tubular solid oxide fuel cell with co-precipitated and mechanically mixed Ni-YSZ anodes. Journal of Power Sources, 2009, 193, 530-540.	4.0	39
46	Label-Free Continuous Micro Cell Sorter with Antibody-Immobilized Oblique Grooves. , 2009, , .		1
47	Microelectromechanical Systems-Based Feedback Control of Turbulence for Skin Friction Reduction. Annual Review of Fluid Mechanics, 2009, 41, 231-251.	10.8	147
48	Mechanical Response Evaluation of High-Thermally-Stable-Grade Parylene Spring. , 2009, , .		2
49	On the Friction Drag Reduction Effect by the Control of Large-Scale Turbulent Structures(Fluids) Tj ETQq1 1 0.784314 rgBT /Overlock Engineers Series B B-hen, 2009, 75, 635-641.	0.2	0
50	Effects of Electrode Microstructure on Polarization Characteristics of SOFC Anode(Thermal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T Engineers Series B B-hen, 2009, 75, 323-330.	0.2	3
51	Toward cost-effective Control of Wall Turbulence for Skin Friction Drag Reduction. Springer Proceedings in Physics, 2009, , 189-200.	0.1	29
52	E113 Development of High-temperature-operated Micro Catalytic Combustor for Thermophotovoltaic Power Generation System. The Proceedings of the National Symposium on Power and Energy Systems, 2009, 2009.14, 151-152.	0.0	0
53	Micro modeling of solid oxide fuel cell anode based on stochastic reconstruction. Journal of Power Sources, 2008, 184, 52-59.	4.0	124
54	Phase-Field simulation of small capillary-number two-phase flow in a microtube. Fluid Dynamics Research, 2008, 40, 497-509.	0.6	40

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55	Systematic analysis of high Schmidt number turbulent mass transfer across clean, contaminated and solid interfaces. International Journal of Heat and Fluid Flow, 2008, 29, 765-773.	1.1	20
56	The development of a high-performance perfluorinated polymer electret and its application to micro power generation. Journal of Micromechanics and Microengineering, 2008, 18, 104011.	1.5	221
57	Micro power generator with high-performance polymer electret. , 2008, , .		0
58	Electrostatic droplet manipulation using electret as a voltage source. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	1
59	Development of high-performance perfluorinated polymer electret. , 2008, , .		0
60	Non-contact electrostatic micro-bearing using polymer electret. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	4
61	Adhesion-Based Cell Sorter With Antibody-Coated Amino-Functionalized-Parylene Surface. Journal of Microelectromechanical Systems, 2008, 17, 611-622.	1.7	26
62	High Performance Recuperator With Oblique Wavy Walls. Journal of Heat Transfer, 2008, 130, .	1.2	8
63	Evolutionary optimization of an anisotropic compliant surface for turbulent friction drag reduction. Journal of Turbulence, 2008, 9, N35.	0.5	55
64	Drag Reduction of Turbulence Air Channel Flow with Distributed Micro Sensors and Actuators. Journal of Fluid Science and Technology, 2008, 3, 137-148.	0.2	23
65	Performance Assessment and Improvement of a Split-and-Recombine Micromixer for Immunomagnetic Cell Sorting. Journal of Fluid Science and Technology, 2008, 3, 1008-1019.	0.2	5
66	Numerical Investigation on Flow Pattern and Pressure Drop Characteristics of Slug Flow in a Micro Tube. , 2008, , .		7
67	D208 Basic Study of Selective Emitter Using Surface Micro Cavities. The Proceedings of the National Symposium on Power and Energy Systems, 2008, 2008.13, 419-420.	0.0	0
68	335 Heat Transfer Characteristics of Two Phase Flow in a Micro Tube. The Proceedings of the JSME Annual Meeting, 2008, 2008.8, 69-70.	0.0	0
69	Near-field development of large-scale vortical structures in a controlled confined coaxial jet. Journal of Turbulence, 2007, 8, N23.	0.5	10
70	Microelectrostrictive Actuator With Large Out-of-Plane Deformation for Flow-Control Application. Journal of Microelectromechanical Systems, 2007, 16, 753-764.	1.7	46
71	Temperature Measurement with a Conditional Two-line OH-PLIF Technique in an Actively Controlled Coaxial Jet Flame. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1678-1686.	0.2	4
72	Selective Emitter with Two-dimensional Surface Microstructures Revisited. AIP Conference Proceedings, 2007, , .	0.3	0

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73	Modeling of Solid Oxide Fuel Cell Anode Using Stochastic Reconstruction and Lattice Boltzmann Method. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 2557-2564.	0.2	0
74	Basic Characteristics of Gas Turbine-Solid Oxide Fuel Cell Hybrid System with Air Recirculation. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1385-1392.	0.2	1
75	Optimal Shape Design of Compact Heat Exchanger Based on Adjoint Analysis of Momentum and Heat Transfer. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1670-1677.	0.2	0
76	Adhesion-based cell sorter with antibody-immobilized functionalized-parylene surface. , 2007, , .		1
77	Electromechanical Modeling of Micro Electret Generator for Energy Harvesting. , 2007, , .		17
78	The Effects of Inlet Flow Conditions on Gas-Liquid Two-Phase Flow in a Micro Tube. , 2007, , .		7
79	Numerical simulation of gas-liquid two-phase flow and convective heat transfer in a micro tube. International Journal of Heat and Fluid Flow, 2007, 28, 72-82.	1.1	90
80	Effects of interfacial velocity boundary condition on turbulent mass transfer at high Schmidt numbers. International Journal of Heat and Fluid Flow, 2007, 28, 1192-1203.	1.1	15
81	OS1-6 Evaluation of Micro Catalytic Combustor for Thermophotovoltaic Power Generation System. The Proceedings of the National Symposium on Power and Energy Systems, 2007, 2007.12, 49-50.	0.0	0
82	Evaluation of Lamination Micro Mixer for Micro Immunomagnetic Cell Sorter. , 2006, , .		0
83	Toward Smart Control of Turbulent Jet Mixing and Combustion. JSME International Journal Series B, 2006, 49, 941-950.	0.3	13
84	Evaluation of Feedback Control System for Wall Turbulence with Micro Sensors and Actuators. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 568-575.	0.2	0
85	Dependency of Local Scalar Flux on Surface Divergence at a Turbulent Air-Water Interface. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1206-1213.	0.2	1
86	Proposal and Assessment of High Performance Finless Heat Exchanger Composed of Micro Tubes. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1295-1302.	0.2	0
87	Visualization of convective boiling heat transfer in single microchannels with different shaped cross-sections. International Journal of Heat and Mass Transfer, 2006, 49, 3884-3894.	2.5	75
88	Development of a large-entrainment-ratio axisymmetric supersonic ejector for micro butane combustor. Journal of Micromechanics and Microengineering, 2006, 16, S211-S219.	1.5	8
89	Development of a micro catalytic combustor using high-precision ceramic tape casting. Journal of Micromechanics and Microengineering, 2006, 16, S198-S205.	1.5	36
90	A theoretical prediction of friction drag reduction in turbulent flow by superhydrophobic surfaces. Physics of Fluids, 2006, 18, 051703.	1.6	150

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91	4410 Numerical Simulation of Mass Transfer and Electrochemical Reaction for Microscopic Structure Design of SOFC Porous Electrode. The Proceedings of the JSME Annual Meeting, 2006, 2006.7, 181-182.	0.0	3
92	OS1-2 Development of Micro-Electret Generator Using Amorphous Perfluoropolymer. The Proceedings of the National Symposium on Power and Energy Systems, 2006, 2006.11, 23-24.	0.0	0
93	Cycle Analysis of Micro Gas Turbine-Molten Carbonate Fuel Cell Hybrid System. JSME International Journal Series B, 2005, 48, 65-74.	0.3	12
94	A Lamination Micro Mixer for .MU.-Immunomagnetic Cell Sorter. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2005, 48, 425-435.	0.3	24
95	Active Control of Lifted Flames with Arrayed Micro Actuators. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 191-199.	0.2	4
96	Friction drag reduction achievable by near-wall turbulence manipulation at high Reynolds numbers. Physics of Fluids, 2005, 17, 011702-011702-4.	1.6	68
97	TOWARD SMART CONTROL OF TURBULENT JET MIXING AND COMBUSTION(Keynote Lecture). The Proceedings of the International Conference on Jets Wakes and Separated Flows (ICJWSF), 2005, 2005, 45-53.	0.1	2
98	OS1-02 Study on Micro-scale Ceramic Catalytic Combustor with Embedded Heat Exchange Channels. The Proceedings of the National Symposium on Power and Energy Systems, 2005, 2005.10, 9-10.	0.0	0
99	A232 Possible heat transfer control deduced from an analysis of the contribution of local turbulent heat flux. The Proceedings of the Thermal Engineering Conference, 2005, 2005, 329-330.	0.0	0
100	3606 Development of Micro Ejector for Butane Catalytic Combustor. The Proceedings of the JSME Annual Meeting, 2005, 2005.3, 249-250.	0.0	0
101	3605 Study on Output Characteristics and Local Temperature Distribution of Small Tubular SOFC. The Proceedings of the JSME Annual Meeting, 2005, 2005.3, 247-248.	0.0	1
102	F153 Performance Assessment of Oblique-Wave Heat Exchangers with Different Aspect Ratio. The Proceedings of the Thermal Engineering Conference, 2005, 2005, 249-250.	0.0	0
103	THE FIK IDENTITY AND ITS IMPLICATION FOR TURBULENT SKIN FRICTION CONTROL. Lecture Notes Series, Institute for Mathematical Sciences, 2005, , 297-324.	0.2	0
104	Cycle Analysis of Gas Turbineâ€“Fuel Cell Cycle Hybrid Micro Generation System. Journal of Engineering for Gas Turbines and Power, 2004, 126, 755-762.	0.5	61
105	Effects of arbitrary directional system rotation on turbulent channel flow. Physics of Fluids, 2004, 16, 979-990.	1.6	57
106	Suboptimal control for drag reduction via suppression of near-wall Reynolds shear stress. International Journal of Heat and Fluid Flow, 2004, 25, 341-350.	1.1	31
107	Development of Micro Catalytic Combustor with Pt/Al2O3 Thin Films. JSME International Journal Series B, 2004, 47, 522-527.	0.3	25
108	Road Map of Micro-Engineering and Nano-Engineering from Manufacturing and Mechanical Engineering Viewpoints. JSME International Journal Series B, 2004, 47, 534-540.	0.3	3

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109	Active Control of Coaxial Jet Mixing with Arrayed Micro Actuators. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 1417-1424.	0.2	5
110	Heat Transfer and Fluid Flow Characteristics of Recuperators with Oblique Wavy Walls. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 2604-2611.	0.2	1
111	Optimal Thermal Design of Micro Hot-film Wall Shear Stress Sensor.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 38-45.	0.2	1
112	Numerical analysis of thermo-fluid dynamics and electrochemical reaction in planar-type SOFC. The Proceedings of the Thermal Engineering Conference, 2004, 2004, 413-414.	0.0	0
113	Evaluation of Micro Catalytic Combustor Using Tape-casting Ceramic Structure. The Proceedings of the National Symposium on Power and Energy Systems, 2004, 2004.9, 29-30.	0.0	0
114	Forced convective boiling heat transfer in microtubes at low mass and heat fluxes. International Journal of Multiphase Flow, 2003, 29, 1771-1792.	1.6	162
115	Drag reduction in turbulent pipe flow with feedback control applied partially to wall. International Journal of Heat and Fluid Flow, 2003, 24, 480-490.	1.1	36
116	Active Control of Coaxial Air Jet with Arrayed Micro Actuators. The Proceedings of the JSME Annual Meeting, 2003, 2003.2, 147-148.	0.0	0
117	Optimal Shape Design of Recuperators with Oblique Wavy Walls. The Proceedings of the Thermal Engineering Conference, 2003, 2003, 445-446.	0.0	0
118	Numerical Simulation of Flow Induced by a Micro-Jet Actuator. The Proceedings of the Thermal Engineering Conference, 2003, 2003, 443-444.	0.0	0
119	Contribution of Reynolds stress distribution to the skin friction in wall-bounded flows. Physics of Fluids, 2002, 14, L73-L76.	1.6	504
120	ACTIVE CONTROL FOR DRAG REDUCTION IN TURBULENT PIPE FLOW. , 2002, , 607-616.		3
121	Highly Energy-Conservative Finite Difference Method for the Cylindrical Coordinate System. Journal of Computational Physics, 2002, 181, 478-498.	1.9	138
122	Reynolds number effect on wall turbulence: toward effective feedback control. International Journal of Heat and Fluid Flow, 2002, 23, 678-689.	1.1	229
123	Development of feedback control system based on genetic algorithm for wall turbulence. The Proceedings of the JSME Annual Meeting, 2002, 2002.7, 37-38.	0.0	1
124	A Chaotic Micro-Mixer Based on Magnetic Beads. The Proceedings of the JSME Annual Meeting, 2002, 2002.6, 103-104.	0.0	0
125	Active Control of Wall Turbulence with Wall Deformation. JSME International Journal Series B, 2001, 44, 195-203.	0.3	2
126	E220 Optimal Design of Micro Bare-Tube Heat Exchanger for Electronic Equipment Cooling. Proceedings of Thermal Engineering Conference, 2001, 2001, 555-556.	0.0	0

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127	C213 Active Control of Diffusion Flame with Arrayed Micro Actuators. Proceedings of Thermal Engineering Conference, 2001, 2001, 451-452.	0.0	0
128	G215 Development of Active Feedback Control System for Wall Turbulence Using Micro Devices. Proceedings of Thermal Engineering Conference, 2001, 2001, 633-634.	0.0	0
129	Call for Nominations â€œ The Nusseltâ€™Reynolds Prize Sponsored by Assembly of World Conferences on Experimental Heat Transfer, Fluid Mechanics, and Thermodynamics. Journal of Fluid Mechanics, 2000, 402, 382-382.	1.4	0
130	Feedback control of wall turbulence with wall deformation. International Journal of Heat and Fluid Flow, 2000, 21, 568-575.	1.1	68
131	Title is missing!. Flow, Turbulence and Combustion, 2000, 63, 415-442.	1.4	12
132	Design and Evaluation of Micro Hot-film Shear Stress Sensor. The Proceedings of the JSME Annual Meeting, 2000, 2000.1, 723-724.	0.0	0
133	Numerical prediction of heat and momentum transfer over micro-grooved surface with a nonlinear kâ€œµ model. International Journal of Heat and Mass Transfer, 1999, 42, 2525-2541.	2.5	10
134	Progress in direct numerical simulation of turbulent transport and its control. International Journal of Heat and Fluid Flow, 1998, 19, 125-134.	1.1	25
135	DNS study of turbulence modification with streamwise-uniform sinusoidal wall-oscillation. International Journal of Heat and Fluid Flow, 1998, 19, 470-481.	1.1	21
136	Fundamental Study on Suboptimal Control of Turbulent Wall Shear Flow. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1997, 63, 24-31.	0.2	0
137	Direct numerical simulation of combined forced and natural turbulent convection in a vertical plane channel. International Journal of Heat and Fluid Flow, 1997, 18, 88-99.	1.1	100
138	Second-moment closure for turbulent scalar transport at various Prandtl numbers. International Journal of Heat and Mass Transfer, 1996, 39, 2977-2987.	2.5	28
139	Turbulence control with wall-adjacent thin layer damping spanwise velocity fluctuations. International Journal of Heat and Fluid Flow, 1996, 17, 343-352.	1.1	24
140	Kinematics of the quasi-coherent vortical structure in near-wall turbulence. International Journal of Heat and Fluid Flow, 1995, 16, 2-10.	1.1	63
141	Three-dimensional particle-tracking velocimetry measurement of turbulence statistics and energy budget in a backward-facing step flow. International Journal of Heat and Fluid Flow, 1995, 16, 477-485.	1.1	145
142	Direct numerical simulation of turbulent transport with uniform wall injection and suction. AIAA Journal, 1995, 33, 1220-1228.	1.5	128
143	Direct Numerical Simulation of Turbulent Plane Couette-Poiseuille Flows: Effect of Mean Shear Rate on the Near-Wall Turbulence Structures. , 1995, , 241-257.		30
144	Turbulent drag reduction mechanism above a riblet surface. AIAA Journal, 1994, 32, 1781-1790.	1.5	111

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145	On the kinematics of the quasi-coherent vortical structure in near-wall turbulence. Experimental Thermal and Fluid Science, 1993, 7, 128-129.	1.5	3
146	Turbulent drag reduction mechanism above a riblet surface. , 1993, , .		7
147	Direct Numerical Simulation of Homogeneous Isotropic Turbulence with Heat Transport. Prandtl Number Effects.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1993, 59, 3359-3364.	0.2	9
148	Evaluation of hot-wire measurements in wall shear turbulence using a direct numerical simulation database. Experimental Thermal and Fluid Science, 1992, 5, 69-77.	1.5	44
149	Probing turbulence with three-dimensional particle-tracking velocimetry. Experimental Thermal and Fluid Science, 1991, 4, 601-612.	1.5	79
150	A New Approach to the Improvement of k-ε Turbulence Model for Wall-Bounded Shear Flows. The JSME International Journal, Series 2: Fluids Engineering, Heat Transfer, Power, Combustionrmophysical Properties, 1990, 33, 63-72.	0.1	60
151	Prediction of Anisotropy of the Near-Wall Turbulence With an Anisotropic Low-Reynolds-Number kεµ Turbulence Model. Journal of Fluids Engineering, Transactions of the ASME, 1990, 112, 521-524.	0.8	51
152	Three-Dimensional Particle Tracking Velocimetry Based on Automated Digital Image Processing. Journal of Fluids Engineering, Transactions of the ASME, 1989, 111, 384-391.	0.8	165
153	Numerical Prediction of Turbulent Pipe Flow Heat Transfe for Various Prandtl Number Fluids with the Improved k-ε Turbulence Model. The JSME International Journal, Series 2: Fluids Engineering, Heat Transfer, Power, Combustionrmophysical Properties, 1989, 32, 613-622.	0.1	22
154	A new algorithm of three-dimensional particle tracking for whole field velocimeter.. Journal of the Flow Visualization Society of Japan, 1989, 9, 237-240.	0.0	1
155	Turbulence measurement in a separated and reattaching flow over a backward-facing step with the three-dimensional particle tracking velocimeter.. Journal of the Flow Visualization Society of Japan, 1989, 9, 245-248.	0.0	10
156	Three-dimensional velocity measurement via digital image processing technique.. Journal of the Flow Visualization Society of Japan, 1987, 7, 283-288.	0.0	3
157	CHAPTER 8. Threeâ€Dimensional Numerical Modelling of Niâ€YSZ Anode. RSC Energy and Environment Series, 0, , 200-218.	0.2	0