Nobuhide Kasagi

List of Publications by Year
in descending order

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157	5,356	94433 37	85541 71
papers	citations	h-index	g-index

160	160	160	3181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of Reynolds stress distribution to the skin friction in wall-bounded flows. Physics of Fluids, 2002, 14, L73-L76.	4.0	504
2	Quantification of SOFC anode microstructure based on dual beam FIB-SEM technique. Journal of Power Sources, 2010, 195, 955-961.	7.8	374
3	Reynolds number effect on wall turbulence: toward effective feedback control. International Journal of Heat and Fluid Flow, 2002, 23, 678-689.	2.4	229
4	The development of a high-performance perfluorinated polymer electret and its application to micro power generation. Journal of Micromechanics and Microengineering, 2008, 18, 104011.	2.6	221
5	Three-Dimensional Particle Tracking Velocimetry Based on Automated Digital Image Processing. Journal of Fluids Engineering, Transactions of the ASME, 1989, 111, 384-391.	1.5	165
6	Forced convective boiling heat transfer in microtubes at low mass and heat fluxes. International Journal of Multiphase Flow, 2003, 29, 1771-1792.	3.4	162
7	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.	2.9	151
8	A theoretical prediction of friction drag reduction in turbulent flow by superhydrophobic surfaces. Physics of Fluids, 2006, 18, 051703.	4.0	150
9	Microelectromechanical Systemsâ€“Based Feedback Control of Turbulence for Skin Friction Reduction. Annual Review of Fluid Mechanics, 2009, 41, 231-251.	25.0	147
10	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.	2.4	145
11	Highly Energy-Conservative Finite Difference Method for the Cylindrical Coordinate System. Journal of Computational Physics, 2002, 181, 478-498.	3.8	138
12	Evaluation of SOFC anode polarization simulation using three-dimensional microstructures reconstructed by FIB tomography. Electrochimica Acta, 2011, 56, 4015-4021.	5.2	132
13	Direct numerical simulation of turbulent transport with uniform wall injection and suction. AIAA Journal, 1995, 33, 1220-1228.	2.6	128
14	Micro modeling of solid oxide fuel cell anode based on stochastic reconstruction. Journal of Power Sources, 2008, 184, 52-59.	7.8	124
15	Three-dimensional numerical analysis of mixed ionic and electronic conducting cathode reconstructed by focused ion beam scanning electron microscope. Journal of Power Sources, 2011, 196, 3073-3082.	7.8	122
16	Turbulent drag reduction mechanism above a riblet surface. AIAA Journal, 1994, 32, 1781-1790.	2.6	111
17	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.	2.4	100
18	Numerical simulation of gasâ€“liquid two-phase flow and convective heat transfer in a micro tube. International Journal of Heat and Fluid Flow, 2007, 28, 72-82.	2.4	90

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19	Probing turbulence with three-dimensional particle-tracking velocimetry. Experimental Thermal and Fluid Science, 1991, 4, 601-612.	2.7	79
20	Study on local morphological changes of nickel in solid oxide fuel cell anode using porous Ni pellet electrode. Journal of Power Sources, 2011, 196, 1019-1029.	7.8	77
21	Quantitative Characterization of SOFC Nickel-YSZ Anode Microstructure Degradation Based on Focused-Ion-Beam 3D-Reconstruction Technique. Journal of the Electrochemical Society, 2012, 159, B285-B291.	2.9	76
22	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.	4.8	75
23	Feedback control of wall turbulence with wall deformation. International Journal of Heat and Fluid Flow, 2000, 21, 568-575.	2.4	68
24	Friction drag reduction achievable by near-wall turbulence manipulation at high Reynolds numbers. Physics of Fluids, 2005, 17, 011702-011702-4.	4.0	68
25	Kinematics of the quasi-coherent vortical structure in near-wall turbulence. International Journal of Heat and Fluid Flow, 1995, 16, 2-10.	2.4	63
26	Cycle Analysis of Gas Turbineâ€“Fuel Cell Cycle Hybrid Micro Generation System. Journal of Engineering for Gas Turbines and Power, 2004, 126, 755-762.	1.1	61
27	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
28	Effects of arbitrary directional system rotation on turbulent channel flow. Physics of Fluids, 2004, 16, 979-990.	4.0	57
29	Evolutionary optimization of an anisotropic compliant surface for turbulent friction drag reduction. Journal of Turbulence, 2008, 9, N35.	1.4	55
30	On the lower bound of net driving power in controlled duct flows. Physica D: Nonlinear Phenomena, 2009, 238, 1082-1086.	2.8	52
31	Prediction of Anisotropy of the Near-Wall Turbulence With an Anisotropic Low-Reynolds-Number kâ€“Ìµ Turbulence Model. Journal of Fluids Engineering, Transactions of the ASME, 1990, 112, 521-524.	1.5	51
32	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.	2.4	49
33	Microelectrostrictive Actuator With Large Out-of-Plane Deformation for Flow-Control Application. Journal of Microelectromechanical Systems, 2007, 16, 753-764.	2.5	46
34	Evaluation of hot-wire measurements in wall shear turbulence using a direct numerical simulation database. Experimental Thermal and Fluid Science, 1992, 5, 69-77.	2.7	44
35	Modification of quasi-streamwise vortical structure in a drag-reduced turbulent channel flow with spanwise wall oscillation. Physics of Fluids, 2014, 26, .	4.0	41
36	Phase-Field simulation of small capillary-number two-phase flow in a microtube. Fluid Dynamics Research, 2008, 40, 497-509.	1.3	40

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37	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.	7.8	39
38	Large-amplitude MEMS electret generator with nonlinear spring. , 2010, , .		38
39	Drag reduction in turbulent pipe flow with feedback control applied partially to wall. International Journal of Heat and Fluid Flow, 2003, 24, 480-490.	2.4	36
40	Development of a micro catalytic combustor using high-precision ceramic tape casting. Journal of Micromechanics and Microengineering, 2006, 16, S198-S205.	2.6	36
41	Measurement of liquid film thickness in a micro parallel channel with interferometer and laser focus displacement meter. International Journal of Multiphase Flow, 2011, 37, 36-45.	3.4	36
42	Quantitative Study on the Correlation Between Solid Oxide Fuel Cell Ni-YSZ Composite Anode Performance and Sintering Temperature Based on Three-dimensional Reconstruction. Journal of the Electrochemical Society, 2012, 159, F278-F286.	2.9	35
43	Suboptimal control for drag reduction via suppression of near-wall Reynolds shear stress. International Journal of Heat and Fluid Flow, 2004, 25, 341-350.	2.4	31
44	Direct Numerical Simulation of Turbulent Plane Couette-Poiseuille Flows: Effect of Mean Shear Rate on the Near-Wall Turbulence Structures. , 1995, , 241-257.		30
45	The effect of liquid film evaporation on flow boiling heat transfer in a micro tube. International Journal of Heat and Mass Transfer, 2012, 55, 547-555.	4.8	30
46	Toward cost-effective Control of Wall Turbulence for Skin Friction Drag Reduction. Springer Proceedings in Physics, 2009, , 189-200.	0.2	29
47	Second-moment closure for turbulent scalar transport at various Prandtl numbers. International Journal of Heat and Mass Transfer, 1996, 39, 2977-2987.	4.8	28
48	Hybrid DNS/LES of high Schmidt number mass transfer across turbulent airâ€“water interface. International Journal of Heat and Mass Transfer, 2009, 52, 1012-1022.	4.8	28
49	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.	2.4	28
50	Control of Turbulent Transport: Less Friction and More Heat Transfer. Journal of Heat Transfer, 2012, 134, .	2.1	28
51	Adhesion-Based Cell Sorter With Antibody-Coated Amino-Functionalized-Parylene Surface. Journal of Microelectromechanical Systems, 2008, 17, 611-622.	2.5	26
52	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.	7.8	26
53	Progress in direct numerical simulation of turbulent transport and its control. International Journal of Heat and Fluid Flow, 1998, 19, 125-134.	2.4	25
54	Development of Micro Catalytic Combustor with Pt/Al2O3 Thin Films. JSME International Journal Series B, 2004, 47, 522-527.	0.3	25

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55	Low-voltage droplet manipulation using liquid dielectrophoresis on electret. Journal of Micromechanics and Microengineering, 2010, 20, 085043.	2.6	25
56	Turbulence control with wall-adjacent thin layer damping spanwise velocity fluctuations. International Journal of Heat and Fluid Flow, 1996, 17, 343-352.	2.4	24
57	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
58	Drag Reduction of Turbulence Air Channel Flow with Distributed Micro Sensors and Actuators. Journal of Fluid Science and Technology, 2008, 3, 137-148.	0.6	23
59	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
60	Flow Visualization and Local Measurement of Forced Convection Heat Transfer in a Microtube. Journal of Heat Transfer, 2010, 132, .	2.1	22
61	DNS study of turbulence modification with streamwise-uniform sinusoidal wall-oscillation. International Journal of Heat and Fluid Flow, 1998, 19, 470-481.	2.4	21
62	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.	2.4	20
63	Study on degradation of solid oxide fuel cell anode by using pure nickel electrode. Journal of Power Sources, 2011, 196, 8366-8376.	7.8	18
64	Active Control of Swirling Coaxial Jet Mixing with Manipulation of Large-Scale Vortical Structures. Flow, Turbulence and Combustion, 2011, 86, 399-418.	2.6	18
65	Electromechanical Modeling of Micro Electret Generator for Energy Harvesting. , 2007, , .		17
66	Performance of an anode support solid oxide fuel cell manufactured by microwave sintering. Journal of Power Sources, 2010, 195, 151-154.	7.8	16
67	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.	2.4	15
68	Label-free continuous cell sorter with specifically adhesive oblique micro-grooves. Journal of Micromechanics and Microengineering, 2009, 19, 125002.	2.6	14
69	Optimal Shape Design of Compact Heat Exchangers Based on Adjoint Analysis of Momentum and Heat Transfer. Journal of Thermal Science and Technology, 2010, 5, 24-35.	1.1	14
70	Toward Smart Control of Turbulent Jet Mixing and Combustion. JSME International Journal Series B, 2006, 49, 941-950.	0.3	13
71	Effect of nonlinear external circuit on electrostatic damping force of micro electret generator. , 2009, , .		13
72	Title is missing!. Flow, Turbulence and Combustion, 2000, 63, 415-442.	2.6	12

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73	Cycle Analysis of Micro Gas Turbine-Molten Carbonate Fuel Cell Hybrid System. JSME International Journal Series B, 2005, 48, 65-74.	0.3	12
74	An ultra-fast fabrication technique for anode support solid oxide fuel cells by microwave. Journal of Power Sources, 2011, 196, 5490-5493.	7.8	12
75	Numerical prediction of heat and momentum transfer over micro-grooved surface with a nonlinear kâ€“Îµ model. International Journal of Heat and Mass Transfer, 1999, 42, 2525-2541.	4.8	10
76	Near-field development of large-scale vortical structures in a controlled confined coaxial jet. Journal of Turbulence, 2007, 8, N23.	1.4	10
77	On the Friction Drag Reduction Effect by a Control of Large-Scale Turbulent Structures. Journal of Fluid Science and Technology, 2010, 5, 574-584.	0.6	10
78	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
79	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
80	Three-Dimensional Numerical Simulation of Ni-YSZ Anode Polarization Using Reconstructed Microstructure from FIB-SEM Images. ECS Transactions, 2009, 25, 1829-1836.	0.5	9
81	Friction drag reduction through damping of the near-wall spanwise velocity fluctuation. International Journal of Heat and Fluid Flow, 2010, 31, 434-441.	2.4	9
82	Development of a large-entrainment-ratio axisymmetric supersonic ejector for micro butane combustor. Journal of Micromechanics and Microengineering, 2006, 16, S211-S219.	2.6	8
83	High Performance Recuperator With Oblique Wavy Walls. Journal of Heat Transfer, 2008, 130, .	2.1	8
84	Turbulent drag reduction mechanism above a riblet surface. , 1993, , .		7
85	The Effects of Inlet Flow Conditions on Gas-Liquid Two-Phase Flow in a Micro Tube. , 2007, , .		7
86	Numerical Investigation on Flow Pattern and Pressure Drop Characteristics of Slug Flow in a Micro Tube. , 2008, , .		7
87	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
88	Performance Assessment and Improvement of a Spilt-and-Recombine Micromixer for Immunomagnetic Cell Sorting. Journal of Fluid Science and Technology, 2008, 3, 1008-1019.	0.6	5
89	Control of Turbulent Transport: Less Friction and More Heat Transfer. , 2010, , .		5
90	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

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91	Temperature Measurement with a Conditional Two-line OH-PLIF Technique in an Actively Controlled Coaxial Jet Flame. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1678-1686.	0.2	4
92	Non-contact electrostatic micro-bearing using polymer electret. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	4
93	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
94	On the kinematics of the quasi-coherent vortical structure in near-wall turbulence. Experimental Thermal and Fluid Science, 1993, 7, 128-129.	2.7	3
95	ACTIVE CONTROL FOR DRAG REDUCTION IN TURBULENT PIPE FLOW. , 2002, , 607-616.		3
96	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
97	Effects of Electrode Microstructure on Polarization Characteristics of SOFC Anode(Thermal) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T f 5 Engineers Series B B-hen, 2009, 75, 323-330.	0.2	3
98	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
99	Three-dimensional velocity measurement via digital image processing technique.. Journal of the Flow Visualization Society of Japan, 1987, 7, 283-288.	0.0	3
100	Active Control of Wall Turbulence with Wall Deformation. JSME International Journal Series B, 2001, 44, 195-203.	0.3	2
101	Mechanical Response Evaluation of High-Thermally-Stable-Grade Parylene Spring. , 2009, , .		2
102	Active control of coaxial jet mixing with manipulation of primary vortical structures by arrayed micro flap actuators. Journal of Turbulence, 2015, 16, 411-441.	1.4	2
103	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
104	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
105	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
106	Dependency of Local Scalar Flux on Surface Divergence at a Turbulent Air-Water Interface. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1206-1213.	0.2	1
107	Basic Characteristics of Gas Turbine-Solid Oxide Fuel Cell Hybrid System with Air Recirculation. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1385-1392.	0.2	1
108	Adhesion-based cell sorter with antibody-immobilized functionalized-parylene surface. , 2007, , .		1

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109	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
110	Label-Free Continuous Micro Cell Sorter with Antibody-Immobilized Oblique Grooves. , 2009, , .		1
111	Conversion Efficiency of Micro-Plasma Actuator for Flow Control(<Special Issue>The 1st Symposium) Tj ETQq1 1 0.784314 rgBT /Ove of Mechanical Engineers, Part C, 2010, 76, 1914-1916.	0.2	1
112	Oil droplet manipulation using liquid dielectrophoresis on electret with superlyophobic surfaces. , 2010, , .		1
113	Secondary-flow-induced label-free continuous cell sorting using antibody-immobilized micro oblique grooves. , 2010, , .		1
114	Numerical Simulation of SOFC Electrode Polarization Using Three-Dimensional Microstructure Reconstructed by FIB-SEM. Materials Research Society Symposia Proceedings, 2012, 1385, 1.	0.1	1
115	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
116	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
117	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
118	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
119	Call for Nominations â€“ 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.	3.4	0
120	Evaluation of Lamination Micro Mixer for Micro Immunomagnetic Cell Sorter. , 2006, , .		0
121	Evaluation of Feedback Control System for Wall Turbulence with Micro Sensors and Actuators. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 568-575.	0.2	0
122	Proposal and Assessment of High Performance Finless Heat Exchanger Composed of Micro Tubes. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1295-1302.	0.2	0
123	Selective Emitter with Two-dimensional Surface Microstructures Revisited. AIP Conference Proceedings, 2007, , .	0.4	0
124	Modeling of Solid Oxide Fuel Cell Anode Using Stochastic Reconsutruction and Lattice Boltzmann Method. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 2557-2564.	0.2	0
125	Optimal Shape Design of Compact Heat Exchanger Based on Adjoint Analysis of Momentum and Heat Transfer. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1670-1677.	0.2	0
126	Micro power generator with high-performace polymer electret. , 2008, , .		0

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127	Development of high-performance purfluorinated polymer electret. , 2008, , .		0
128	On the Friction Drag Reduction Effect by the Control of Large-Scale Turbulent Structures(Fluids) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Engineers Series B B-hen, 2009, 75, 635-641.	0.2	0
129	Thermal and Electrochemical Cell Design and Its Experimental Assessment for Micro SOFC System. , 2010, , .		0
130	Theoretical Considerations about Near-Wall Turbulence and Resulting Flow Control Schemes. Proceedings in Applied Mathematics and Mechanics, 2010, 10, 743-746.	0.2	0
131	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 RonbunshÃ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 418-419.	0.2	0
132	Macromol. Biosci. 7/2011. Macromolecular Bioscience, 2011, 11, .	4.1	0
133	The influence of frequency-limited and noise-contaminated sensing on reactive turbulence control schemes. Journal of Turbulence, 2012, 13, N16.	1.4	0
134	CHAPTER 8. Threeâ€Dimensional Numerical Modelling of Niâ€YSZ Anode. RSC Energy and Environment Series, 0, , 200-218.	0.5	0
135	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
136	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
137	C213 Active Control of Diffusion Flame with Arrayed Micro Actuators. Proceedings of Thermal Engineering Conference, 2001, 2001, 451-452.	0.0	0
138	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
139	A Chaotic Micro-Mixer Based on Magnetic Beads. The Proceedings of the JSME Annual Meeting, 2002, 2002.6, 103-104.	0.0	0
140	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
141	Optimal Shape Design of Recuperators with Oblique Wavy Walls. The Proceedings of the Thermal Engineering Conference, 2003, 2003, 445-446.	0.0	0
142	Numerical Simulation of Flow Induced by a Micro-Jet Actuator. The Proceedings of the Thermal Engineering Conference, 2003, 2003, 443-444.	0.0	0
143	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
144	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

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145	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
146	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
147	3606 Development of Micro Ejector for Butane Catalytic Combustor. The Proceedings of the JSME Annual Meeting, 2005, 2005.3, 249-250.	0.0	0
148	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
149	THE FIK IDENTITY AND ITS IMPLICATION FOR TURBULENT SKIN FRICTION CONTROL. Lecture Notes Series, Institute for Mathematical Sciences, 2005, , 297-324.	0.2	0
150	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
151	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
152	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
153	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
154	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
155	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
156	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
157	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