# Hiroshi Suzuki

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 120 papers | 975 citations | 16 h-index | 25 g-index |
| 136 ext. papers | 1,089 ext. citations | 1.8 avg, IF | 4.06 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 120 | Rheological interpretation of the structural change of LiB cathode slurry during the preparation process. *Jcis Open*, **2022**, 5, 100038 | | 1 |
| 119 | Effects of channel geometry and physicochemical properties of solutions on stable double emulsion production in planar microfluidic devices having triangular orifices. *AIP Advances*, **2021**, 11, 065219 | 1.5 | |
| 118 | Dilute Solution and Fine Particle Dispersion Rheologies Applied to Efficient Thermal Energy Transportation. *Nihon Reoroji Gakkaishi*, **2021**, 49, 287-293 | 0.8 | 1 |
| 117 | Inverse integral transformation method to derive local viscosity distribution measured by optical tweezers. *Soft Matter*, **2020**, 16, 6826-6833 | 3.6 | 1 |
| 116 | Effect of Additives on the Rapid Destruction Process of Particle Aggregates in a Startup Shear Flow. *Journal of Chemical Engineering of Japan*, **2020**, 53, 422-430 | 0.8 | 2 |
| 115 | Impacts of the Surfactant Concentration on the Sedimentation Characteristics of Silica Hard-Shell Microcapsules Containing Phase Change Materials. *Journal of Chemical Engineering of Japan*, **2020**, 53, 431-437 | 0.8 | 1 |
| 114 | Dynamic Characteristics of Calcium Chloride/Silica Nano-Holed Microcapsule Composites. *Journal of Chemical Engineering of Japan*, **2020**, 53, 457-462 | 0.8 | |
| 113 | Vortex deformation and turbulent energy of polymer solution in a two-dimensional turbulent flow. *Journal of Non-Newtonian Fluid Mechanics*, **2020**, 285, 104385 | 2.7 | 1 |
| 112 | Pipe diameter effect on flow and heat transfer characteristics of ammonia alum hydrate slurries with additives. *AICHE Journal*, **2020**, 66, e16780 | 3.6 | 2 |
| 111 | Frequency analysis of torque variation of a rotationally reciprocating impeller using newtonian and viscoelastic fluids. *Chemical Engineering Research and Design*, **2019**, 142, 327-335 | 5.5 | 2 |
| 110 | Ammonia alum hydrate-based phase change materials for effective use of excess exhaust heat from gas engines. *International Journal of Refrigeration*, **2019**, 100, 63-71 | 3.8 | 2 |
| 109 | Controlling of Dispersion State of Particles in Slurry and Electrochemical Properties of Electrodes. *Journal of the Electrochemical Society*, **2019**, 166, A501-A506 | 3.9 | 12 |
| 108 | Effects of flexibility and entanglement of sodium hyaluronate in solutions on the entry flow in micro abrupt contraction-expansion channels. *Physics of Fluids*, **2019**, 31, 072005 | 4.4 | 16 |
| 107 | Flow and sedimentation characteristics of silica hard-shell microcapsule slurries treated with additives. *International Journal of Refrigeration*, **2019**, 106, 18-23 | 3.8 | 4 |
| 106 | Drag force of polyethyleneglycol in flow measured by a scanning probe microscope. *Physical Review Fluids*, **2019**, 4, | 2.8 | 1 |
| 105 | Statistical Model on Fine Particle Dispersion. *Journal of the Japan Society of Colour Material*, **2019**, 92, 324-328 | 0 | |
| 104 | Effects of the extensional rheological properties of polymer solutions on vortex shedding and turbulence characteristics in a two-dimensional turbulent flow. *Journal of Non-Newtonian Fluid Mechanics*, **2018**, 254, 1-11 | 2.7 | 11 |

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| 103 | Ammonium alum hydrate slurries with surfactants and polyvinyl alcohol as a latent heat transportation material for high temperature. *International Journal of Heat and Mass Transfer*, **2018** , 124, 1334-1346 | 4.9 | 10 |
| 102 | Extensional Viscosity of Low Viscous Polymer Solutions Measured by Pressure Drops in Abrupt Contraction Channels. *Nihon Reoroji Gakkaishi*, **2018**, 46, 13-22 | 0.8 | 5 |
| 101 | Application of a Rotationally Reciprocating Plate Impeller on Crystallization Process. *Journal of Chemical Engineering of Japan*, **2018**, 51, 159-165 | 0.8 | 5 |
| 100 | EFFECTS OF FABRICATION CONDITIONS ON SILICA HARD-SHELL MICROCAPSULES CONTAINING PHASE CHANGE MATERIALS **2018**, | | 3 |
| 99 | Outstanding Paper of 2017. *Kagaku Kogaku Ronbunshu*, **2018**, 44, 221-222 | 0.4 | |
| 98 | Velocity Fields around the Bulge Structure Observed in a Cavity Swept by a Visco-Elastic Fluid. *Nihon Reoroji Gakkaishi*, **2018**, 46, 29-36 | 0.8 | 2 |
| 97 | JCEJ Outstanding Paper Award of 2017. *Journal of Chemical Engineering of Japan*, **2018**, 51, 531-532 | 0.8 | |
| 96 | Fabrication of hard-shell microcapsules containing inorganic materials. *International Journal of Refrigeration*, **2017**, 82, 97-105 | 3.8 | 10 |
| 95 | Effects of Extensional Rates on Anisotropic Structures and Characteristic Scales of Two-Dimensional Turbulence in Polymer Solutions. *Flow, Turbulence and Combustion*, **2016**, 96, 227-244 | 2.5 | 7 |
| 94 | Adhesive behavior of a calcium carbonate particle to solid walls having different hydrophilic characteristics. *International Journal of Heat and Mass Transfer*, **2016**, 92, 603-609 | 4.9 | 16 |
| 93 | Characteristics of Flow Filed Induced by a Rotationally Reciprocating Plate Impeller. *Journal of Chemical Engineering of Japan*, **2016**, 49, 341-349 | 0.8 | 6 |
| 92 | Heat Storage, Transportation, and Transfer **2016**, 135-146 | | 1 |
| 91 | Effects of the Molar Ratio of Counter-Ions on Flow Characteristics of Surfactant Solutions Sweeping Cavities. *Nihon Reoroji Gakkaishi*, **2016**, 44, 143-151 | 0.8 | 2 |
| 90 | Dispersion and Re-aggregation of Particles in a Suspension Flowing in an Abrupt Contraction Channel. *Nihon Reoroji Gakkaishi*, **2016**, 44, 153-158 | 0.8 | 2 |
| 89 | Viscoelastic Analysis of Dispersion Process of Highly Concentrated Suspension for LiB Cathodes. *Journal of the Society of Powder Technology, Japan*, **2016**, 53, 371-379 | 0.3 | 4 |
| 88 | Rheological characterization of metal particle suspension and its relationship with spray-dried granule properties. *Powder Technology*, **2015**, 271, 93-99 | 5.2 | 3 |
| 87 | Inertio-elastic flow instability in a micro-cavity swept by a visco-elastic fluid. *Transactions of the JSME (in Japanese)*, **2015**, 81, 14-00650-14-00650 | 0.2 | |
| 86 | Effect of shear strain in coating on the particle packing of gelled-clay particle dispersions during drying **2015**, 12, 939-948 | | 2 |

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| 85 | Effect of Shear Strain Applied in Coating and Colloidal Stability on the Drying Process of Latex Dispersions. *Journal of Chemical Engineering of Japan*, **2015**, 48, 87-93 | 0.8 | 3 |
| 84 | Power Characteristics of a Rotationally Reciprocating Impeller. *Journal of Chemical Engineering of Japan*, **2015**, 48, 885-890 | 0.8 | 8 |
| 83 | Flow characteristics in a micro-cavity swept by a visco-elastic fluid. *Experimental Thermal and Fluid Science*, **2015**, 67, 96-101 | 3 | 7 |
| 82 | Numerical Simulation of Particle Dispersion in Flow between Coaxial Cylinders under Unsteady Flow Conditions. *Nihon Reoroji Gakkaishi*, **2015**, 43, 85-92 | 0.8 | 4 |
| 81 | Characteristic scales of two-dimensional turbulence in polymer solutions. *AICHE Journal*, **2014**, 60, 1854-1862 | 3.8 | 14 |
| 80 | Fabrication Process of Silica Hard-shell Microcapsule (HSMC) Containing Phase-change Materials. *Chemistry Letters*, **2014**, 43, 820-821 | 1.7 | 7 |
| 79 | Bulge structure in a cavity swept by a viscoelastic fluid. *Journal of Physics: Conference Series*, **2014**, 530, 012055 | 0.3 | 2 |
| 78 | Crystal Growth and Viscosity Behaviors of Ammonium Alum Hydrate Solution with PVA in Shear Flow. *Nihon Reoroji Gakkaishi*, **2014**, 42, 219-226 | 0.8 | 5 |
| 77 | Phase Separation Characteristics of Ammonium Alum Hydrates with Poly Vinyl Alcohol. *Journal of Chemical Engineering of Japan*, **2014**, 47, 169-174 | 0.8 | 9 |
| 76 | Fluid Deformation Induced by a Rotationally Reciprocating Impeller. *Journal of Chemical Engineering of Japan*, **2014**, 47, 151-158 | 0.8 | 12 |
| 75 | Flow and Oxygen-Dissolution Characteristics of Microbubbles in a Viscoelastic Fluid. *Journal of Chemical Engineering of Japan*, **2014**, 47, 201-206 | 0.8 | 1 |
| 74 | Effects of the extensional rate on two-dimensional turbulence of semi-dilute polymer solution flows. *Rheologica Acta*, **2013**, 52, 949-961 | 2.3 | 12 |
| 73 | Flow and heat transfer characteristics of ammonium alum hydrate slurries. *International Journal of Refrigeration*, **2013**, 36, 81-87 | 3.8 | 17 |
| 72 | The 10th IIR Conference on Phase-Change Materials and Slurries for Refrigeration and Air Conditioning. *International Journal of Refrigeration*, **2013**, 36, 1790-1791 | 3.8 | 1 |
| 71 | Thermophysical properties and reaction rate of composite reactant of calcium chloride and expanded graphite. *Applied Thermal Engineering*, **2013**, 50, 1627-1632 | 5.8 | 19 |
| 70 | Development of Extensional Viscosity Measurement Method on Low Viscos Polymer Solution with an Abrupt Contraction Flow. *880-02 Nihon Kikai Gakkai Ronbunshi Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **2013**, 79, 1264-1268 | | 2 |
| 69 | Aggregation/Dispersion Behaviors of Fine Particles in a Flow between Parallel Plates. *Journal of Chemical Engineering of Japan*, **2013**, 46, 524-529 | 0.8 | 7 |
| 68 | Particle Dispersion/Aggregation Model in a Non-Uniform Shear Flow. *Nihon Reoroji Gakkaishi*, **2013**, 41, 75-81 | 0.8 | 6 |

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| 67 | S051015 Chaining Effect of Micro-Bubbles in a Visco-Elastic Fluid. *The Proceedings of Mechanical Engineering Congress Japan*, **2013**, 2013, _S051015-1-_S051015-5 | 0 | |
| 66 | Drag-reduction of a nonionic surfactant aqueous solution and its rheological characteristics. *Science China Technological Sciences*, **2012**, 55, 772-778 | 3.5 | 12 |
| 65 | Flow and Heat Transfer Characteristics of Ammonium Alum Hydrate Slurry Treated with Surfactants. *Journal of Chemical Engineering of Japan*, **2012**, 45, 136-141 | 0.8 | 9 |
| 64 | Onion-Like Structure of Viscoelastic Surfactant Solution Flow Induced by 4-Blade Paddle Impeller in a Vessel. *Journal of Chemical Engineering of Japan*, **2012**, 45, 94-101 | 0.8 | 4 |
| 63 | Effect of Carboxymethylcellulose on Agglomeration and Dispersal of Polystyrene Particle Agglomerates with Step-Wise Shear Rate Change. *Kagaku Kogaku Ronbunshu*, **2012**, 38, 13-18 | 0.4 | 2 |
| 62 | Relaxation Behavior of a Drag-Reducing Cationic Surfactant Solution. *Nihon Reoroji Gakkaishi*, **2012**, 40, 85-90 | 0.8 | 17 |
| 61 | Formation of Particle Layer Within Coated Slurry Characterized by Thickness Variation. *Drying Technology*, **2011**, 29, 1037-1045 | 2.6 | 7 |
| 60 | Numerical Study on Non-Absorbable Gas Control Using an Immersed Plate and Extraction in Evaporator/Absorber of Absorption Chiller. *Journal of Chemical Engineering of Japan*, **2010**, 43, 561-568 | 0.8 | |
| 59 | Agglomeration of Hydrate Particles in Aqueous Surfactant Solution with Counter-Ion. *Journal of Chemical Engineering of Japan*, **2010**, 43, 23-28 | 0.8 | 1 |
| 58 | Effect of Molar Ratio of Counter-Ions to Cationic Surfactants Treating Trimethylolethane Hydrate Slurries. *Journal of Chemical Engineering of Japan*, **2010**, 43, 349-354 | 0.8 | 2 |
| 57 | Particle Size Depression and Drag Reduction of Ice Slurry Treated with Combination Additives of Surfactants and Poly(vinyl alcohol). *Journal of Chemical Engineering of Japan*, **2010**, 43, 482-486 | 0.8 | 7 |
| 56 | Investigation of Thermal Properties of Na2HPO4 Hydrate Slurries for Evaluating Their Use as a Coolant in Absorption Chillers. *Journal of Chemical Engineering of Japan*, **2010**, 43, 34-39 | 0.8 | 13 |
| 55 | Effect of molar ratio of counter-ions to cationic surfactants on drag reduction characteristics of trimethylolethane hydrate slurries. *International Journal of Refrigeration*, **2010**, 33, 1632-1638 | 3.8 | 7 |
| 54 | Separation Characteristics of Visco-Elastic Fluid in a Cavity. *Journal of Chemical Engineering of Japan* , **2010**, 43, 421-428 | 0.8 | 6 |
| 53 | Drying of Coated Slurry in Vapor of Drying Solvent. *Journal of Chemical Engineering of Japan*, **2010**, 43, 892-900 | 0.8 | |
| 52 | Preface to the Special Issue for IWPI 2008. *Journal of Chemical Engineering of Japan*, **2010**, 43, 1 | 0.8 | |
| 51 | Particle Size Characteristics of Ice Slurry Treated with Surfactants and Brines. *Journal of Chemical Engineering of Japan*, **2009**, 42, 447-451 | 0.8 | 12 |
| 50 | Drag reduction characteristics of trimethylolethane hydrate slurries treated with surfactants. *International Journal of Refrigeration*, **2009**, 32, 931-937 | 3.8 | 17 |

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| 49 | Model analysis on dispersion characteristics of fine particles in Newtonian molten polymer. *Advanced Powder Technology*, **2009**, 20, 139-144 | 4.6 | 7 |
| 48 | Effect of Shear Rate and Volume Fraction on Agglomerative Nature of Polymer Latex. *Journal of Chemical Engineering of Japan*, **2009**, 42, 71-77 | 0.8 | 3 |
| 47 | Improvement of Thixotropy Model Analyzing Dispersion Characteristics of Fine Particles in Newtonian Molten Polymer. *Nihon Reoroji Gakkaishi*, **2009**, 37, 191-198 | 0.8 | 8 |
| 46 | Development of a Liquid Film Model for the Evaporator in an Absorption Chiller. *Kagaku Kogaku Ronbunshu*, **2009**, 35, 417-424 | 0.4 | 1 |
| 45 | Agglomeration Behavior of Particles in a Molten Polymer in a Steady Shear Flow. *Nihon Reoroji Gakkaishi*, **2009**, 37, 135-141 | 0.8 | |
| 44 | Behavior of Fine Particle Agglomerates in a Newtonian Molten Polymer Under a Shear Flow. *Advanced Powder Technology*, **2008**, 19, 507-521 | 4.6 | 9 |
| 43 | Multi-mode Relaxation Behavior of Drag-reducing Surfactants with Excess Addition of Counter-ions. *AIP Conference Proceedings*, **2008**, | 0 | 2 |
| 42 | Size Characteristics of Liposomes Formed in a Micro-Tube. *Journal of Chemical Engineering of Japan*, **2008**, 41, 739-743 | 0.8 | 5 |
| 41 | Dispersion Characteristics of a New Motionless Mixer, Bunsankun. *Kagaku Kogaku Ronbunshu*, **2008**, 34, 545-550 | 0.4 | 1 |
| 40 | Mixing Mechanism of a Multi-Holed Static Mixer. *Journal of Chemical Engineering of Japan*, **2008**, 41, 139-144 | 0.8 | 3 |
| 39 | Optimization of Preparation and Drying Conditions of Titanium Dioxide Slurry for Coating on a Plastic Substrate. *Journal of Chemical Engineering of Japan*, **2007**, 40, 973-979 | 0.8 | 2 |
| 38 | Effect of the Composition and Coating Condition on the Structure and Performance of Catalyst Layer of PEFC. *Journal of Chemical Engineering of Japan*, **2007**, 40, 808-816 | 0.8 | 2 |
| 37 | Correlation of Fluidity between Solid-Liquid and Solid-Gas Suspensions. *Kagaku Kogaku Ronbunshu*, **2007**, 33, 315-318 | 0.4 | |
| 36 | Mixing Characteristics of Newtonian Fluid by a Multi-Holed Static Mixer. *Journal of Chemical Engineering of Japan*, **2006**, 39, 807-813 | 0.8 | 4 |
| 35 | Structure Analysis of Drag-Reducing Surfactant Rod-Like Micelles with Fluorescence Probe. *Nihon Reoroji Gakkaishi*, **2006**, 34, 17-23 | 0.8 | 4 |
| 34 | Hydrodynamics and Heat Transfer Characteristics of Drag-Reducing Trimethylolethane Solution and Suspension by Cationic Surfactant. *Journal of Chemical Engineering of Japan*, **2006**, 39, 623-632 | 0.8 | 20 |
| 33 | Viscosity measuring technique for gas-solid suspensions. *Advanced Powder Technology*, **2006**, 17, 333-343 | 4.6 | 11 |
| 32 | Rheological characteristics of trimethylolethane hydrate slurry treated with drag-reducing surfactants. *Rheologica Acta*, **2006**, 46, 287-295 | 2.3 | 26 |

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| 31 | Numerical Computations on Heat Transfer Characteristics from the Cavity Bottom in Parallel Plates Swept by Viscoelastic Fluid. *Journal of Chemical Engineering of Japan*, **2006**, 39, 915-923 | 0.8 | 4 |
| 30 | Numerical Study on the Drawing of Polymer Optical Fibers in Steady State. *Journal of Chemical Engineering of Japan*, **2006**, 39, 790-797 | 0.8 | |
| 29 | Preventing agglomeration and growth of ice particles in water with suitable additives. *International Journal of Refrigeration*, **2005**, 28, 20-26 | 3.8 | 33 |
| 28 | Development characteristics of fluctuating velocity field of drag-reducing surfactant solution flow in a duct. *Rheologica Acta*, **2005**, 44, 457-464 | 2.3 | 21 |
| 27 | Biaxial Extensional Characteristics of Drag-Reducing Surfactant Solution. *Nihon Reoroji Gakkaishi*, **2005**, 33, 145-150 | 0.8 | 4 |
| 26 | Dispersion Control of Nano-Particles and the Effect of the Coating Condition on the Performance of Proton-Exchange Membrane Fuel Cells (PEMFCs). *Journal of Chemical Engineering of Japan*, **2004**, 37, 31-39 | 0.8 | 14 |
| 25 | Development characteristics of drag-reducing surfactant solution flow in a duct. *Rheologica Acta*, **2004**, 43, 232-239 | 2.3 | 26 |
| 24 | Effect of Cetyldimethylbetaine Molecules on Agglomeration and Growth of Ice. *Chemistry Letters*, **2004**, 33, 1558-1559 | 1.7 | 2 |
| 23 | Surfactant Drag Reduction Caused by a Cationic Surfactant with Excess Addition of Counter-ions. *Journal of Chemical Engineering of Japan*, **2004**, 37, 1232-1237 | 0.8 | 25 |
| 22 | Suppression of Ice Particle Growth and the Possibility of Energy Saving Latent Heat Transportation by Using Surfactant Additives. *Journal of Chemical Engineering of Japan*, **2004**, 37, 15-22 | 0.8 | 10 |
| 21 | Study of Pipeline Transportation of Dense Fly Ash-Water Slurry. *Coal Preparation*, **2002**, 22, 65-80 | | 12 |
| 20 | Agglomeration Control of Ice Particles in Ice-Water Slurry System Using Surfactant Additives. *HVAC and R Research*, **2002**, 8, 453-466 | | 14 |
| 19 | A study on Cationic Surfactants as Drag-Reducing Additives. *Chemical Engineering Communications*, **2002**, 189, 1671-1683 | 2.2 | 7 |
| 18 | Heat Transfer Characteristics in a Cavity of a Symmetric Grooved Channel with Visco-elastic Fluid **2002**, | | 3 |
| 17 | Non-Newtonian viscosity of dense slurries prepared by spherical particles. *Chemical Engineering Science*, **2001**, 56, 2979-2989 | 4.4 | 38 |
| 16 | Viscosity Prediction of Dense Slurries Prepared by Non-Spherical Solid Particles.. *Journal of Chemical Engineering of Japan*, **2001**, 34, 360-368 | 0.8 | 18 |
| 15 | Progress of Drag-Reducing Technology in the New Century. *880-02 Nihon Kikai Gakkai Ronbunsh* *Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **2001**, 67, 1305-1310 | | 5 |
| 14 | Influences of the Inner-Surface Conditions of Circular Tubes on the Heat Transfer in a Surfactant Drag-Reduction System.. *Kagaku Kogaku Ronbunshu*, **2001**, 27, 347-351 | 0.4 | 3 |

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| 13 | Methods of Numerically Analyzing and Visually Measuring Transport Phenomena in Chemical Equipment. Non-Absorbable Gas Diffusing Behavior in the Evaporator-Absorber in an Absorption Chiller.. *Kagaku Kogaku Ronbunshu*, **2001**, 27, 581-587 | 0.4 | 3 |
| 12 | Prediction of Flow Characteristics of Whipped Cream under Pressurized Condition.. *Journal of Chemical Engineering of Japan*, **2000**, 33, 785-792 | 0.8 | 6 |
| 11 | Viscosity Prediction of Agglomerative Slurries with Particle Size Distribution.. *Kagaku Kogaku Ronbunshu*, **2000**, 26, 423-430 | 0.4 | 5 |
| 10 | Effect of Pulsating Strouhal Number on Heat Transfer around a Heated Cylinder in Pulsating Cross-Flow.. *JSME International Journal Series B*, **2000**, 43, 250-257 | | 14 |
| 9 | Flow Past Large Obstructions Between Corotating Disks in Fixed Cylindrical Enclosures. *Journal of Fluids Engineering, Transactions of the ASME*, **1997**, 119, 499-505 | 2.1 | 10 |
| 8 | Instantaneous structure and statistical feature of unsteady flow in a channel obstructed by a square rod. *International Journal of Heat and Fluid Flow*, **1994**, 15, 426-437 | 2.4 | 19 |
| 7 | UNSTEADY HEAT TRANSFER IN A CHANNEL OBSTRUCTED BY AN IMMERSED BODY. *Annual Review of Heat Transfer*, **1994**, 5, 177-206 | 2.7 | 19 |
| 6 | Unsteady flow in a channel obstructed by a square rod (crisscross motion of vortex). *International Journal of Heat and Fluid Flow*, **1993**, 14, 2-9 | 2.4 | 98 |
| 5 | Unsteady flow and heat transfer in a channel obstructed by a square rod. 1st Report. Validation of numerical calculation and flow visualization of vortex street.. *880-02 Nihon Kikai Gakkai Ronbunsh Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **1991**, 57, 1390-1395 | | 6 |
| 4 | Unsteady flow and heat transfer in a channel obstructed by a square rod. 3rd Report. Characteristics and mechanism of heat transfer.. *880-02 Nihon Kikai Gakkai Ronbunsh Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **1991**, 57, 1403-1409 | | 6 |
| 3 | Unsteady flow and heat transfer in a channel obstructed by a square rod. 2nd Report. Statistical characteristics and time variation of the flow.. *880-02 Nihon Kikai Gakkai Ronbunsh Transactions of the Japan Society of Mechanical Engineers Series B B-hen*, **1991**, 57, 1396-1402 | | 4 |
| 2 | Flow and heat transfer over a backward-facing step with a cylinder mounted near its top corner. *International Journal of Heat and Fluid Flow*, **1991**, 12, 353-359 | 2.4 | 13 |
| 1 | Dissimilarity between heat and momentum transfer in a turbulent boundary layer disturbed by a cylinder. *International Journal of Heat and Mass Transfer*, **1988**, 31, 259-265 | 4.9 | 36 |