

# Shinji Tamano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6261452/publications.pdf>

Version: 2024-02-01

66  
papers

376  
citations

840776

11  
h-index

794594

19  
g-index

66  
all docs

66  
docs citations

66  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drag reduction due to nonionic-type surfactants in turbulent pipe flow of ethylene glycol aqueous solution. AIP Advances, 2022, 12, 055109.	1.3	0
2	Tracking one dimensional water freezing in a 500- $\mu$ m-deep microchannel chamber using water NIR-adsorption characteristics. International Communications in Heat and Mass Transfer, 2021, 128, 105597.	5.6	0
3	Rheological modeling of both shear-thickening and thinning behaviors through constitutive equations. Journal of Non-Newtonian Fluid Mechanics, 2020, 283, 104339.	2.4	8
4	Temperature Error Reduction of DPD Fluid by Using Partitioned Runge-Kutta Time Integration Scheme. Fluids, 2019, 4, 156.	1.7	1
5	Improving computational accuracy in dissipative particle dynamics via a high order symplectic method. Journal of Chemical Physics, 2018, 148, 224101.	3.0	3
6	Streamwise variations of turbulence statistics up to maximum drag reduction state in turbulent boundary layer flow due to surfactant injection. Physics of Fluids, 2018, 30, .	4.0	14
7	Dynamics of falling droplet and elongational properties of dilute nonionic surfactant solutions with drag-reducing ability. Physics of Fluids, 2017, 29, 053104.	4.0	11
8	Drag Reduction of Photorheological Fluids Composed of Nonionic Surfactant and Photoreactive Additives. Nihon Reoroji Gakkaishi, 2016, 44, 205-210.	1.0	3
9	Drag Reduction of Nonionic Surfactant in Ethylene Glycol Aqueous Solution at Normal Temperature. Nihon Reoroji Gakkaishi, 2016, 44, 189-194.	1.0	1
10	Drag reduction and degradation of nonionic surfactant solutions with organic acid in turbulent pipe flow. Journal of Non-Newtonian Fluid Mechanics, 2015, 215, 1-7.	2.4	36
11	Flow Behavior and Turbulent Drag Reduction of Viscoelastic Fluids. Nihon Reoroji Gakkaishi, 2014, 41, 289-300.	1.0	1
12	Turbulent drag reduction of boundary layer flow with non-ionic surfactant injection. Journal of Fluid Mechanics, 2014, 749, 367-403.	3.4	15
13	Numerical Analysis for the Effect of Rotation on Vortex Structure in Oscillating Grid Turbulence. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 822-837.	0.2	0
14	Drag reduction in turbulent boundary layers by spanwise traveling waves with wall deformation. Journal of Turbulence, 2012, 13, N9.	1.4	34
15	Effects of Degradation on Drag Reduction in Turbulent Pipe Flow of Nonionic Surfactant Aqueous Solutions. Nihon Reoroji Gakkaishi, 2012, 40, 69-77.	1.0	11
16	Comparison of turbulence structures at large and small drag reduction ratios in turbulent boundary layer of surfactant solutions. Journal of Turbulence, 2011, 12, N18.	1.4	7
17	Streamwise variation of turbulent dynamics in boundary layer flow of drag-reducing fluid. Journal of Fluid Mechanics, 2011, 686, 352-377.	3.4	29
18	364 Drag reduction in turbulent boundary layer with surfactant injection. The Proceedings of Conference of Tokai Branch, 2011, 2011.60, _364-1_-_364-2_.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Flow Visualization of Ring Vortex in Confined Swirling Flow of Polymer Solutions due to Partially Rotating Disc(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 4-10.	0.2	0
20	PIV Measurement of Ring Vortex in Confined Swirling Flow of Polymer Solutions due to Partially Rotating Disc(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 11-19.	0.2	0
21	Turbulent drag reduction in nonionic surfactant solutions. Physics of Fluids, 2010, 22, .	4.0	31
22	469 Characteristic of fluid forces in pitching flutter. The Proceedings of Conference of Tokai Branch, 2010, 2010.59, 267-268.	0.0	0
23	470 Transition of Jet Oscillation with an Elastic Plate Fixed at The Trailing Edge in a Jet. The Proceedings of Conference of Tokai Branch, 2010, 2010.59, 269-270.	0.0	0
24	Numerical Simulation of Confined Swirling Flow of Viscoelastic Fluid due to Partially Rotating Disc. Nihon Reorogi Gakkaishi, 2010, 38, 9-16.	1.0	1
25	456 An experiment of the span wise uniformity effect on the flow around yawed cylinder circumference. The Proceedings of Conference of Tokai Branch, 2010, 2010.59, 241-242.	0.0	0
26	465 Research on Power Generation by Flutter of Wing with Elastic Body. The Proceedings of Conference of Tokai Branch, 2010, 2010.59, 259-260.	0.0	0
27	Turbulence statistics and structures of drag-reducing turbulent boundary layer in homogeneous aqueous surfactant solutions. Physics of Fluids, 2009, 21, .	4.0	32
28	Effect of rheological properties on drag reduction in turbulent boundary layer flow. Physics of Fluids, 2009, 21, 055101.	4.0	21
29	PIV Measurement of Secondary Flow in Curvilinear Pipe Flow of Polymer Solution(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 2115-2121.	0.2	2
30	Flow Visualization of Fluid Mixing in Curvilinear Pipe Flow of Polymer Solution(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 2122-2127.	0.2	1
31	Drag-Reducing Effect of Nonionic Surfactant Solutions(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1598-1607.	0.2	1
32	Drag Reduction in Turbulent Boundary Layer over Flexible Sheet due to Spanwise Traveling Wave Motion(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1798-1806.	0.2	0
33	Turbulence Structures in Drag-Reducing Turbulent Boundary Layer of Surfactant Solution : Comparison between Flow Fields of Large and Small Drag Reduction Ratios(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 2352-2360.	0.2	0
34	568 The investigation on interaction between jet and pitching flutter. The Proceedings of Conference of Tokai Branch, 2009, 2009.58, 359-360.	0.0	0
35	569 A study of jet oscillation with elastic plate. The Proceedings of Conference of Tokai Branch, 2009, 2009.58, 361-362.	0.0	0
36	570 Influence of Oscillating Elastic Sheet on Pressure Field in Super Sonic Flow. The Proceedings of Conference of Tokai Branch, 2009, 2009.58, 363-364.	0.0	0

#	ARTICLE	IF	CITATIONS
37	559 Flutter Characteristics of Airfoils Consisted of Rigid and Elastic Plates. The Proceedings of Conference of Tokai Branch, 2009, 2009.58, 341-342.	0.0	0
38	Behaviors and Effects of Movable Objects in Supersonic Flows. , 2008, , .		0
39	Vortex Shedding in Confined Swirling Flows of Polymer Solutions with a Partially Rotating Disc. AIP Conference Proceedings, 2008, , .	0.4	1
40	Effects of Concentration of Surfactant Solutions on Drag-Reducing Turbulent Boundary Layer. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2008, 74, 1075-1082.	0.2	0
41	Effects of Temperature of Surfactant Solutions on Drag-Reducing Turbulent Boundary Layer. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2008, 74, 1083-1090.	0.2	0
42	359 Experimental study on Behavior of Elastic or Rigid Plates and the Flow Fields in a Supersonic Flow. The Proceedings of Conference of Tokai Branch, 2008, 2008.57, 233-234.	0.0	0
43	351 A study on the flow field and the behavior of the flexible sheet attached at the jet exit with a step. The Proceedings of Conference of Tokai Branch, 2008, 2008.57, 217-218.	0.0	0
44	Direct numerical simulation of the drag-reducing turbulent boundary layer of viscoelastic fluid. Physics of Fluids, 2007, 19, 075106.	4.0	36
45	Vortex Shedding in Confined Swirling Flow of Polymer Solutions. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 482-489.	0.2	0
46	Flow Fields and Side Load in Compressed 2D Dual Bell Nozzles. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 2204-2212.	0.2	1
47	Direct Numerical Simulation of Drag-Reducing Turbulent Boundary Layer of Viscoelastic Fluid (1st) Tj ETQq1 1 0.784314 rgBT /Overlock Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 490-497.	0.2	1
48	Direct Numerical Simulation of Drag-Reducing Turbulent Boundary Layer of Viscoelastic Fluid (2nd) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 498-505.	0.2	0
49	321 A study of oscillating jet excited by flutter(1). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _321-a_.	0.0	0
50	558 Characteristics of Oscillation and Effect of a Flow Field of Flexible Vortex Generators in Supersonic Flows. The Proceedings of Conference of Tokai Branch, 2007, 2007.56, 265-266.	0.0	0
51	324 A Study of a Flexible Sheet on a Lip of Jet Outlet(1). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _324-a_.	0.0	0
52	324 A Study of a Flexible Sheet on a Lip of Jet Outlet(2). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _324-1_-324-4_.	0.0	0
53	557 A Study on the Characteristics of Vibrations and Flow Field of Oscillating Jet using Rubber Sheets. The Proceedings of Conference of Tokai Branch, 2007, 2007.56, 263-264.	0.0	0
54	1415 Vortex Shedding in Confined Swirling Flow of Polymer Solution due to Partial Rotating Disc. The Proceedings of the JSME Annual Meeting, 2007, 2007.2, 29-30.	0.0	0

#	ARTICLE	IF	CITATIONS
55	321 A study of oscillating jet excited by flutter(2). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _321-1_-_321-4_.	0.0	0
56	Flow Visualization of Unsteady Behaviour in Confined Swirling Flow of Polymer Solutions. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 2672-2679.	0.2	0
57	Turbulent Drag Reduction on Seal Fur Surfaces. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1181-1188.	0.2	0
58	Drag reduction in a turbulent boundary layer on a flexible sheet undergoing a spanwise traveling wave motion. Journal of Turbulence, 2006, 7, N27.	1.4	41
59	706 Characteristics of a Multistage Viscous Micropump Using Cylindrical Rotors. The Proceedings of Conference of Tokai Branch, 2006, 2006.55, 275-276.	0.0	0
60	713 An Experimental Investigation of the Flow through the Staggered Tube Banks Arranged Downstream of an Elbow Duct. The Proceedings of Conference of Tokai Branch, 2006, 2006.55, 289-290.	0.0	0
61	Study on Differences in Turbulence Statistics between Compressible and Incompressible Low-Reynolds Number Turbulent Channel Flows Using Semi-Local Scaling. JSME International Journal Series B, 2005, 48, 743-749.	0.3	0
62	Flow of Aqueous Surfactant Solution due to a Rotating Disc in a Cylindrical Casing. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 1043-1050.	0.2	0
63	Velocity measurement in turbulent boundary layer of drag-reducing surfactant solution. Physics of Fluids, 2005, 17, 075107.	4.0	32
64	Measurement of Velocity Field in Turbulent Boundary Layer of Aqueous Surfactant Solution. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 1140-1147.	0.2	1
65	Numerical Analysis of Compressible Turbulent Channel Flow with Wall-Temperature Difference. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 847-854.	0.2	0
66	An Experimental Investigation of the Flow through the Staggered Tube Banks Arranged just Downstream of an Elbow Duct. The Proceedings of Conference of Tokai Branch, 2004, 2004.53, 337-338.	0.0	0