

# Masaki Shimizu

## List of Publications by Year in descending order

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23  
papers

453  
citations

1040056

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1058476

14  
g-index

23  
all docs

23  
docs citations

23  
times ranked

467  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ultimate state of turbulent permeable-channel flow. Journal of Fluid Mechanics, 2022, 931, .	3.4	1
2	Steady thermal convection representing the ultimate scaling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210037.	3.4	3
3	Efficient reinforcement learning with partial observables for fluid flow control. Physical Review E, 2022, 105, .	2.1	5
4	Ultimate heat transfer in “wall-bounded” convective turbulence. Journal of Fluid Mechanics, 2021, 914, .	3.4	9
5	Multi-scale steady solution for Rayleigh-Bénard convection. Journal of Fluid Mechanics, 2021, 914, .	3.4	11
6	Transitional Channel Flow: A Minimal Stochastic Model. Entropy, 2020, 22, 1348.	2.2	5
7	The onset of transient turbulence in minimal plane Couette flow. Journal of Fluid Mechanics, 2019, 862, .	3.4	19
8	Bifurcations to turbulence in transitional channel flow. Physical Review Fluids, 2019, 4, .	2.5	42
9	Optimal heat transfer enhancement in plane Couette flow. Journal of Fluid Mechanics, 2018, 835, 1157-1198.	3.4	17
10	Maximal heat transfer between two parallel plates. Journal of Fluid Mechanics, 2018, 851, .	3.4	15
11	Optimization of forced convection heat transfer by using variational principle. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0530102.	0.0	0
12	Turbulent heat and momentum transfer in Rayleigh-Bénard-Poiseuille flow. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0530101.	0.0	0
13	J0550203 Onset of chaotic reversals in thermal convection. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0550203--_J0550203-.	0.0	0
14	Turbulent mixing in a precessing sphere. Physics of Fluids, 2014, 26, 115106.	4.0	18
15	Splitting of a turbulent puff in pipe flow. Fluid Dynamics Research, 2014, 46, 061403.	1.3	19
16	J0570204 Maximization of dissimilarity between momentum and heat transfer. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _J0570204--_J0570204-.	0.0	0
17	10.1063/1.4901449.1. , 2014, , .		0
18	0506 Direct numerical simulation of turbulent channel flow at high Reynolds number. The Proceedings of the Fluids Engineering Conference, 2013, 2013, _0506-01-_0506-02_.	0.0	0

#	ARTICLE	IF	CITATIONS
19	0504 An edge state in transitional square-duct flow. The Proceedings of the Fluids Engineering Conference, 2013, 2013, _0504-01_-0504-03_.	0.0	0
20	0509 An edge state and relaminarization in transitional pipe flow. The Proceedings of the Fluids Engineering Conference, 2013, 2013, _0509-01_-0509-03_.	0.0	0
21	S051032 Modulation of turbulence by surfactant in a precessing sphere. The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _S051032-1-_S051032-5.	0.0	0
22	Waste-Free Synthesis of Condensed Heterocyclic Compounds by Rhodium-Catalyzed Oxidative Coupling of Substituted Arene or Heteroarene Carboxylic Acids with Alkynes. Journal of Organic Chemistry, 2009, 74, 3478-3483.	3.2	176
23	Rhodium-Catalyzed Oxidative Coupling between Salicylaldehydes and Internal Alkynes with C-H Bond Cleavage To Produce 2,3-Disubstituted Chromones. Chemistry - an Asian Journal, 2008, 3, 881-886.	3.3	113