

Masaki Shimizu

List of Publications by Year in descending order

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23
papers

453
citations

1040056

9
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste-Free Synthesis of Condensed Heterocyclic Compounds by Rhodium-Catalyzed Oxidative Coupling of Substituted Arene or Heteroarene Carboxylic Acids with Alkynes. <i>Journal of Organic Chemistry</i> , 2009, 74, 3478-3483.	3.2	176
2	Rhodium-Catalyzed Oxidative Coupling between Salicylaldehydes and Internal Alkynes with C≡C-H Bond Cleavage To Produce 2,3-Disubstituted Chromones. <i>Chemistry - an Asian Journal</i> , 2008, 3, 881-886.	3.3	113
3	Bifurcations to turbulence in transitional channel flow. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	42
4	Splitting of a turbulent puff in pipe flow. <i>Fluid Dynamics Research</i> , 2014, 46, 061403.	1.3	19
5	The onset of transient turbulence in minimal plane Couette flow. <i>Journal of Fluid Mechanics</i> , 2019, 862, .	3.4	19
6	Turbulent mixing in a precessing sphere. <i>Physics of Fluids</i> , 2014, 26, 115106.	4.0	18
7	Optimal heat transfer enhancement in plane Couette flow. <i>Journal of Fluid Mechanics</i> , 2018, 835, 1157-1198.	3.4	17
8	Maximal heat transfer between two parallel plates. <i>Journal of Fluid Mechanics</i> , 2018, 851, .	3.4	15
9	Multi-scale steady solution for Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2021, 914, .	3.4	11
10	Ultimate heat transfer in ϵ -wall-bounded ϵ^m convective turbulence. <i>Journal of Fluid Mechanics</i> , 2021, 914, .	3.4	9
11	Transitional Channel Flow: A Minimal Stochastic Model. <i>Entropy</i> , 2020, 22, 1348.	2.2	5
12	Efficient reinforcement learning with partial observables for fluid flow control. <i>Physical Review E</i> , 2022, 105, .	2.1	5
13	Steady thermal convection representing the ultimate scaling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210037.	3.4	3
14	The ultimate state of turbulent permeable-channel flow. <i>Journal of Fluid Mechanics</i> , 2022, 931, .	3.4	1
15	0506 Direct numerical simulation of turbulent channel flow at high Reynolds number. <i>The Proceedings of the Fluids Engineering Conference</i> , 2013, 2013, _0506-01_-_0506-02_.	0.0	0
16	0504 An edge state in transitional square-duct flow. <i>The Proceedings of the Fluids Engineering Conference</i> , 2013, 2013, _0504-01_-_0504-03_.	0.0	0
17	0509 An edge state and relaminarization in transitional pipe flow. <i>The Proceedings of the Fluids Engineering Conference</i> , 2013, 2013, _0509-01_-_0509-03_.	0.0	0
18	S051032 Modulation of turbulence by surfactant in a precessing sphere. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2013, 2013, _S051032-1-_S051032-5.	0.0	0

#	ARTICLE	IF	CITATIONS
19	J0570204 Maximization of dissimilarity between momentum and heat transfer. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _J0570204--_J0570204-.	0.0	0
20	10.1063/1.4901449.1. , 2014, , .		0
21	J0550203 Onset of chaotic reversals in thermal convection. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0550203--_J0550203-.	0.0	0
22	Optimization of forced convection heat transfer by using variational principle. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0530102.	0.0	0
23	Turbulent heat and momentum transfer in Rayleigh-Bénard-Poiseuille flow. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0530101.	0.0	0