

Ati Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,010
citations

758635

12
h-index

1125271

13
g-index

14
all docs

14
docs citations

14
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical-layer framework for turbulent pipe flow. <i>Journal of Fluid Mechanics</i> , 2010, 658, 336-382.	1.4	460
2	On coherent structure in wall turbulence. <i>Journal of Fluid Mechanics</i> , 2013, 728, 196-238.	1.4	143
3	Model-based scaling of the streamwise energy density in high-Reynolds-number turbulent channels. <i>Journal of Fluid Mechanics</i> , 2013, 734, 275-316.	1.4	117
4	Opposition control within the resolvent analysis framework. <i>Journal of Fluid Mechanics</i> , 2014, 749, 597-626.	1.4	69
5	A framework for studying the effect of compliant surfaces on wall turbulence. <i>Journal of Fluid Mechanics</i> , 2015, 768, 415-441.	1.4	56
6	On the structure and origin of pressure fluctuations in wall turbulence: predictions based on the resolvent analysis. <i>Journal of Fluid Mechanics</i> , 2014, 751, 38-70.	1.4	39
7	Plasma equilibrium response modelling and validation on JT-60U. <i>Nuclear Fusion</i> , 2002, 42, 708-724.	1.6	33
8	Modelling for robust feedback control of fluid flows. <i>Journal of Fluid Mechanics</i> , 2015, 769, 687-722.	1.4	24
9	On the design of optimal compliant walls for turbulence control. <i>Journal of Turbulence</i> , 2016, 17, 787-806.	0.5	20
10	Transient growth mechanisms of low Reynolds number flow over a low-pressure turbine blade. <i>Theoretical and Computational Fluid Dynamics</i> , 2011, 25, 19-30.	0.9	18
11	Scaling and interaction of self-similar modes in models of high Reynolds number wall turbulence. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160089.	1.6	15
12	Periodic shadowing sensitivity analysis of chaotic systems. <i>Journal of Computational Physics</i> , 2019, 391, 119-141.	1.9	14
13	Basis for finding exact coherent states. <i>Physical Review E</i> , 2020, 101, 012213.	0.8	2
14	Special issue on global flow instability and control. <i>Theoretical and Computational Fluid Dynamics</i> , 2017, 31, 471-474.	0.9	0