

Scott T M Dawson

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,363
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1360
citing authors

#	ARTICLE	IF	CITATIONS
1	Modal Analysis of Fluid Flows: An Overview. <i>AIAA Journal</i> , 2017, 55, 4013-4041.	2.6	1,020
2	Model Reduction for Flow Analysis and Control. <i>Annual Review of Fluid Mechanics</i> , 2017, 49, 387-417.	25.0	460
3	Modal Analysis of Fluid Flows: Applications and Outlook. <i>AIAA Journal</i> , 2020, 58, 998-1022.	2.6	301
4	Characterizing and correcting for the effect of sensor noise in the dynamic mode decomposition. <i>Experiments in Fluids</i> , 2016, 57, 1.	2.4	207
5	Extending Data-Driven Koopman Analysis to Actuated Systems. <i>IFAC-PapersOnLine</i> , 2016, 49, 704-709.	0.9	93
6	State-space model identification and feedback control of unsteady aerodynamic forces. <i>Journal of Fluids and Structures</i> , 2014, 50, 253-270.	3.4	62
7	Non-normality and classification of amplification mechanisms in stability and resolvent analysis. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	39
8	Data-driven cardiovascular flow modelling: examples and opportunities. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200802.	3.4	35
9	Parameter-Varying Aerodynamics Models for Aggressive Pitching-Response Prediction. <i>AIAA Journal</i> , 2017, 55, 693-701.	2.6	28
10	Data-Driven Pulsatile Blood Flow Physics with Dynamic Mode Decomposition. <i>Fluids</i> , 2020, 5, 111.	1.7	25
11	Resolvent-based study of compressibility effects on supersonic turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2020, 883, .	3.4	20
12	Integrating multi-fidelity blood flow data with reduced-order data assimilation. <i>Computers in Biology and Medicine</i> , 2021, 135, 104566.	7.0	20
13	Control of instability by injection rate oscillations in a radial Hele-Shaw cell. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	13
14	Prediction of resolvent mode shapes in supersonic turbulent boundary layers. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108677.	2.4	11
15	On the shape of resolvent modes in wall-bounded turbulence. <i>Journal of Fluid Mechanics</i> , 2019, 877, 682-716.	3.4	9
16	Correction: Modal Analysis of Fluid Flows: An Overview. <i>AIAA Journal</i> , 2020, 58, AU9-AU9.	2.6	9
17	Unsteady dynamics in the streamwise-oscillating cylinder wake for forcing frequencies below lock-on. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	6
18	Improved Approximations to Wagner Function Using Sparse Identification of Nonlinear Dynamics. <i>AIAA Journal</i> , 2022, 60, 1691-1707.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Unsteady Aerodynamic Response Modeling: A Parameter-Varying Approach. , 2015, , .		1
20	Modeling the Flow State Sensitivity of Actuation Response on a Stalled Airfoil. AIAA Journal, 0, , 1-15.	2.6	1