

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	Improved Approximations to Wagner Function Using Sparse Identification of Nonlinear Dynamics. AIAA Journal, 2022, 60, 1691-1707.	2.6	3
2	Data-driven cardiovascular flow modelling: examples and opportunities. Journal of the Royal Society Interface, 2021, 18, 20200802.	3.4	35
3	Unsteady dynamics in the streamwise-oscillating cylinder wake for forcing frequencies below lock-on. Physical Review Fluids, 2021, 6, .	2.5	6
4	Integrating multi-fidelity blood flow data with reduced-order data assimilation. Computers in Biology and Medicine, 2021, 135, 104566.	7.0	20
5	Correction: Modal Analysis of Fluid Flows: An Overview. AIAA Journal, 2020, 58, AU9-AU9.	2.6	9
6	Modal Analysis of Fluid Flows: Applications and Outlook. AIAA Journal, 2020, 58, 998-1022.	2.6	301
7	Resolvent-based study of compressibility effects on supersonic turbulent boundary layers. Journal of Fluid Mechanics, 2020, 883, .	3.4	20
8	Data-Driven Pulsatile Blood Flow Physics with Dynamic Mode Decomposition. Fluids, 2020, 5, 111.	1.7	25
9	Control of instability by injection rate oscillations in a radial Hele-Shaw cell. Physical Review Fluids, 2020, 5, .	2.5	13
10	Prediction of resolvent mode shapes in supersonic turbulent boundary layers. International Journal of Heat and Fluid Flow, 2020, 85, 108677.	2.4	11
11	On the shape of resolvent modes in wall-bounded turbulence. Journal of Fluid Mechanics, 2019, 877, 682-716.	3.4	9
12	Non-normality and classification of amplification mechanisms in stability and resolvent analysis. Physical Review Fluids, 2018, 3, .	2.5	39
13	Modal Analysis of Fluid Flows: An Overview. AIAA Journal, 2017, 55, 4013-4041.	2.6	1,020
14	Parameter-Varying Aerodynamics Models for Aggressive Pitching-Response Prediction. AIAA Journal, 2017, 55, 693-701.	2.6	28
15	Model Reduction for Flow Analysis and Control. Annual Review of Fluid Mechanics, 2017, 49, 387-417.	25.0	460
16	Extending Data-Driven Koopman Analysis to Actuated Systems. IFAC-PapersOnLine, 2016, 49, 704-709.	0.9	93
17	Characterizing and correcting for the effect of sensor noise in the dynamic mode decomposition. Experiments in Fluids, 2016, 57, 1.	2.4	207
18	Unsteady Aerodynamic Response Modeling: A Parameter-Varying Approach. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	State-space model identification and feedback control of unsteady aerodynamic forces. Journal of Fluids and Structures, 2014, 50, 253-270.	3.4	62
20	Modeling the Flow State Sensitivity of Actuation Response on a Stalled Airfoil. AIAA Journal, 0, , 1-15.	2.6	1