

# Stuart I Benton

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

286  
citations

933447

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h-index

1125743

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g-index

24  
all docs

24  
docs citations

24  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of High-Frequency Control of Dynamic Stall Using Large-Eddy Simulations. AIAA Journal, 2018, 56, 2974-2991.	2.6	53
2	Resolvent analysis of an airfoil laminar separation bubble at $Re = 2000$ . Physical Review Fluids, 2020, 5, .	2.6	20
3	Parametric Optimization of Unsteady End Wall Blowing on a Highly Loaded Low-Pressure Turbine. Journal of Turbomachinery, 2014, 136, .	1.7	23
4	Pulsed Jets Laminar Separation Control Using Instability Exploitation. AIAA Journal, 2014, 52, 104-115.	2.6	22
5	Investigation of High-Frequency Separation Control Mechanisms for Delay of Unsteady Separation. , 2016, , .		17
6	High-Frequency Forcing to Delay Dynamic Stall at Relevant Reynolds Number. , 2017, , .		15
7	Understanding Abrupt Leading Edge Separation as a Mechanism for the Onset of Dynamic Stall. , 2018, , .		14
8	Effects of Leading-Edge Geometry on the Onset of Dynamic Stall. AIAA Journal, 2018, 56, 4195-4198.	2.6	14
9	High-frequency forcing to mitigate unsteady separation from a bursting separation bubble. Physical Review Fluids, 2018, 3, .	2.5	14
10	Effects of Compressibility on Dynamic-Stall Onset Using Large-Eddy Simulation. AIAA Journal, 2020, 58, 1194-1205.	2.6	13
11	Control of Poststall Airfoil Using Leading-Edge Pulsed Jets. AIAA Journal, 2017, 55, 365-376.	2.6	12
12	Extending the Reynolds Number Range of High-Frequency Control of Dynamic Stall. AIAA Journal, 2019, 57, 2675-2681.	2.6	12
13	Three-dimensional Instabilities in Vortex/Wall Interactions: Linear Stability and Flow Control. , 2014, , .		12
14	Large Low-Frequency Oscillations Initiated by Flow Control on a Poststall Airfoil. AIAA Journal, 2016, 54, 1616-1627.	2.6	11
15	Effect of Jet Spacing on Swept-Wing Leading-Edge Separation Control. AIAA Journal, 2018, 56, 2907-2910.	2.6	5
16	Effects of Compressibility on Dynamic-Stall Onset Using Large-Eddy Simulation. , 2019, , .		5
17	Response of a Streamwise Vortex-Wall Interaction to Unsteady Forcing. AIAA Journal, 2017, 55, 3243-3254.	2.6	4
18	Large Low-Frequency Oscillations Initiated by Sub-Optimal Flow Control on a Post-Stall Airfoil. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Effect of Spanwise Jet Spacing on Separation Control for Swept and Unswept Airfoils. , 2015, , .		3
20	Control of Leading-Edge Airfoil Stall Using Pulsed Jets. , 2016, , .		2
21	Evaluation of Thermoacoustic-based Forcing for Control of Dynamic Stall. , 2018, , .		2
22	Control of a Model Secondary Flow Targeting Convective Instabilities. , 2015, , .		2
23	Understanding Leading Edge Stall Physics by Acoustic Excitation. , 2014, , .		1
24	Crow and Elliptic Instabilities in a Streamwise Vortexâ€Wall Interaction. AIAA Journal, 2021, 59, 1109-1113.	2.6	1