

# Andres Goza

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

256  
citations

1163117

8  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

202  
citing authors

#	ARTICLE	IF	CITATIONS
1	A strongly-coupled immersed-boundary formulation for thin elastic structures. Journal of Computational Physics, 2017, 336, 401-411.	3.8	63
2	Global modes and nonlinear analysis of inverted-flag flapping. Journal of Fluid Mechanics, 2018, 857, 312-344.	3.4	51
3	Leveraging reduced-order models for state estimation using deep learning. Journal of Fluid Mechanics, 2020, 897, .	3.4	37
4	Accurate computation of surface stresses and forces with immersed boundary methods. Journal of Computational Physics, 2016, 321, 860-873.	3.8	24
5	Modal decomposition of fluid-structure interaction with application to flag flapping. Journal of Fluids and Structures, 2018, 81, 728-737.	3.4	24
6	Connections between resonance and nonlinearity in swimming performance of a flexible heaving plate. Journal of Fluid Mechanics, 2020, 888, .	3.4	15
7	A strongly coupled immersed boundary method for fluid-structure interaction that mimics the efficiency of stationary body methods. Journal of Computational Physics, 2022, 454, 110897.	3.8	8
8	Surface morphing for aerodynamic flows at low and stalled angles of attack. Physical Review Fluids, 2022, 7, .	2.5	8
9	Fluid-structure interaction of a bio-inspired passively deployable flap for lift enhancement. Physical Review Fluids, 2022, 7, .	2.5	8
10	Dynamics of an inverted cantilever plate at moderate angle of attack. Journal of Fluid Mechanics, 2021, 909, .	3.4	7
11	Numerical Study of Multiple Bio-Inspired Torsionally Hinged Flaps for Passive Flow Control. Fluids, 2022, 7, 44.	1.7	4
12	Numerical and Experimental Study of a Covert-Inspired Passively Deployable Flap for Aerodynamic Lift Enhancement. , 2022, , .		3
13	Effects of Torsional Stiffness and Inertia on a Passively Deployable Flap for Aerodynamic Lift Enhancement. , 2022, , .		2
14	Harnessing Phononic Materials for Aerodynamic Flow Control. , 2022, , .		2
15	Simulations of Flow past a Mirrored Airfoil Configuration Inspired by an Energy-harvester. , 2022, , .		0
16	Flow-induced flapping of an inverted flag with non-uniform stiffness distribution. , 2022, , .		0