

# Edouard Boujo

## List of Publications by Year in descending order

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30  
papers

376  
citations

686830

13  
h-index

794141

19  
g-index

30  
all docs

30  
docs citations

30  
times ranked

283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of aerodynamic forces in laminar and turbulent flow past a square cylinder. <i>Physics of Fluids</i> , 2014, 26, .	1.6	38
2	Output-only parameter identification of a colored-noise-driven Van-der-Pol oscillator: Thermoacoustic instabilities as an example. <i>Physical Review E</i> , 2017, 95, 062217.	0.8	33
3	Robust identification of harmonic oscillator parameters using the adjoint Fokker-Planck equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20160894.	1.0	25
4	Experiments and modelling of rate-dependent transition delay in a stochastic subcritical bifurcation. <i>Royal Society Open Science</i> , 2018, 5, 172078.	1.1	25
5	Sensitivity and open-loop control of stochastic response in a noise amplifier flow: the backward-facing step. <i>Journal of Fluid Mechanics</i> , 2015, 762, 361-392.	1.4	24
6	Quantifying acoustic damping using flame chemiluminescence. <i>Journal of Fluid Mechanics</i> , 2016, 808, 245-257.	1.4	22
7	Saturation of a turbulent mixing layer over a cavity: response to harmonic forcing around mean flows. <i>Journal of Fluid Mechanics</i> , 2018, 853, 386-418.	1.4	21
8	Controlled reattachment in separated flows: a variational approach to recirculation length reduction. <i>Journal of Fluid Mechanics</i> , 2014, 742, 618-635.	1.4	19
9	Flame Dynamics Intermittency in the Bistable Region Near a Subcritical Hopf Bifurcation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	19
10	A self-consistent formulation for the sensitivity analysis of finite-amplitude vortex shedding in the cylinder wake. <i>Journal of Fluid Mechanics</i> , 2016, 800, 327-357.	1.4	17
11	Numerical simulation and sensitivity analysis of a low-Reynolds-number flow around a square cylinder controlled using plasma actuators. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	16
12	Open-loop control of noise amplification in a separated boundary layer flow. <i>Physics of Fluids</i> , 2013, 25, .	1.6	15
13	Second-order sensitivity of parallel shear flows and optimal spanwise-periodic flow modifications. <i>Journal of Fluid Mechanics</i> , 2015, 782, 491-514.	1.4	14
14	Processing time-series of randomly forced self-oscillators: The example of beer bottle whistling. <i>Journal of Sound and Vibration</i> , 2020, 464, 114981.	2.1	14
15	Second-order sensitivity in the cylinder wake: Optimal spanwise-periodic wall actuation and wall deformation. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	11
16	Pancake making and surface coating: Optimal control of a gravity-driven liquid film. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	9
17	Pushing amplitude equations far from threshold: application to the supercritical Hopf bifurcation in the cylinder wake. <i>Fluid Dynamics Research</i> , 2016, 48, 061401.	0.6	8
18	Development of a Prediction Method for Passenger Vehicle Aerodynamic Lift using CFD. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
19	Homogenization-based design of microstructured membranes: wake flows past permeable shells. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	1.4	7
20	Manipulating flow separation: sensitivity of stagnation points, separatrix angles and recirculation area to steady actuation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140365.	1.0	6
21	Stochastic modeling of a freely rotating disk facing a uniform flow. <i>Journal of Fluids and Structures</i> , 2019, 86, 34-43.	1.5	6
22	Revisiting the drag reduction problem using adjoint-based distributed forcing of laminar and turbulent flows over a circular cylinder. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 72, 123-134.	1.2	5
23	Numerical analysis of the linear and nonlinear vortex-sound interaction in a T-junction. , 2020, , .		5
24	Second-order adjoint-based sensitivity for hydrodynamic stability and control. <i>Journal of Fluid Mechanics</i> , 2021, 920, .	1.4	4
25	Flame Dynamics Intermittency in the Bi-Stable Region Near a Subcritical Hopf Bifurcation. , 2017, , .		2
26	Thin Liquid Film Dynamics on a Spinning Spheroid. <i>Fluids</i> , 2021, 6, 318.	0.8	2
27	Open-loop control of a separated boundary layer. <i>Comptes Rendus - Mecanique</i> , 2014, 342, 403-409.	2.1	1
28	Optimal spanwise-periodic control for recirculation length in a backward-facing step flow. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	1
29	NUMERICAL SIMULATION OF THE ARTERIAL WALL GROWTH INDUCED BY WALL SHEAR STRESS. , 2006, , .		0
30	Reprint of: Stochastic modeling of a freely rotating disk facing a uniform flow. <i>Journal of Fluids and Structures</i> , 2019, 89, 257-266.	1.5	0