

Edouard Boujo

List of Publications by Year in descending order

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papers

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794141

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times ranked

283
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Second-order adjoint-based sensitivity for hydrodynamic stability and control. Journal of Fluid Mechanics, 2021, 920, . | 1.4 | 4 |
| 2 | Homogenization-based design of microstructured membranes: wake flows past permeable shells. Journal of Fluid Mechanics, 2021, 927, . | 1.4 | 7 |
| 3 | Thin Liquid Film Dynamics on a Spinning Spheroid. Fluids, 2021, 6, 318. | 0.8 | 2 |
| 4 | Processing time-series of randomly forced self-oscillators: The example of beer bottle whistling. Journal of Sound and Vibration, 2020, 464, 114981. | 2.1 | 14 |
| 5 | Numerical analysis of the linear and nonlinear vortex-sound interaction in a T-junction. , 2020, , . | | 5 |
| 6 | Optimal spanwise-periodic control for recirculation length in a backward-facing step flow. Physical Review Fluids, 2020, 5, . | 1.0 | 1 |
| 7 | Stochastic modeling of a freely rotating disk facing a uniform flow. Journal of Fluids and Structures, 2019, 86, 34-43. | 1.5 | 6 |
| 8 | Reprint of: Stochastic modeling of a freely rotating disk facing a uniform flow. Journal of Fluids and Structures, 2019, 89, 257-266. | 1.5 | 0 |
| 9 | Second-order sensitivity in the cylinder wake: Optimal spanwise-periodic wall actuation and wall deformation. Physical Review Fluids, 2019, 4, . | 1.0 | 11 |
| 10 | Pancake making and surface coating: Optimal control of a gravity-driven liquid film. Physical Review Fluids, 2019, 4, . | 1.0 | 9 |
| 11 | Revisiting the drag reduction problem using adjoint-based distributed forcing of laminar and turbulent flows over a circular cylinder. European Journal of Mechanics, B/Fluids, 2018, 72, 123-134. | 1.2 | 5 |
| 12 | Experiments and modelling of rate-dependent transition delay in a stochastic subcritical bifurcation. Royal Society Open Science, 2018, 5, 172078. | 1.1 | 25 |
| 13 | Flame Dynamics Intermittency in the Bistable Region Near a Subcritical Hopf Bifurcation. Journal of Engineering for Gas Turbines and Power, 2018, 140, . | 0.5 | 19 |
| 14 | Saturation of a turbulent mixing layer over a cavity: response to harmonic forcing around mean flows. Journal of Fluid Mechanics, 2018, 853, 386-418. | 1.4 | 21 |
| 15 | Robust identification of harmonic oscillator parameters using the adjoint Fokker-Planck equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160894. | 1.0 | 25 |
| 16 | Flame Dynamics Intermittency in the Bi-Stable Region Near a Subcritical Hopf Bifurcation. , 2017, , . | | 2 |
| 17 | Output-only parameter identification of a colored-noise-driven Van-der-Pol oscillator: Thermoacoustic instabilities as an example. Physical Review E, 2017, 95, 062217. | 0.8 | 33 |
| 18 | Numerical simulation and sensitivity analysis of a low-Reynolds-number flow around a square cylinder controlled using plasma actuators. Physical Review Fluids, 2017, 2, . | 1.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Quantifying acoustic damping using flame chemiluminescence. <i>Journal of Fluid Mechanics</i> , 2016, 808, 245-257. | 1.4 | 22 |
| 22 | 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 |
| 23 | 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 |
| 24 | Sensitivity of aerodynamic forces in laminar and turbulent flow past a square cylinder. <i>Physics of Fluids</i> , 2014, 26, . | 1.6 | 38 |
| 25 | 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 |
| 26 | Open-loop control of a separated boundary layer. <i>Comptes Rendus - Mecanique</i> , 2014, 342, 403-409. | 2.1 | 1 |
| 27 | 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 |
| 28 | Open-loop control of noise amplification in a separated boundary layer flow. <i>Physics of Fluids</i> , 2013, 25, . | 1.6 | 15 |
| 29 | Development of a Prediction Method for Passenger Vehicle Aerodynamic Lift using CFD. , 2008, , . | | 7 |
| 30 | NUMERICAL SIMULATION OF THE ARTERIAL WALL GROWTH INDUCED BY WALL SHEAR STRESS. , 2006, , . | | 0 |