

# Simone Camarri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3327630/publications.pdf>

Version: 2024-02-01

52  
papers

1,202  
citations

304743

22  
h-index

377865

34  
g-index

53  
all docs

53  
docs citations

53  
times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triple-deck analysis of the steady flow over a rotating disk with surface roughness. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	8
2	Numerical and Experimental Investigation of Longitudinal Oscillations in Hall Thrusters. <i>Aerospace</i> , 2021, 8, 148.	2.2	8
3	Homogenization-based design of microstructured membranes: wake flows past permeable shells. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	3.4	7
4	A low-Reynolds-number actuator driven by instability: rotating or oscillating. <i>Nonlinear Dynamics</i> , 2021, 106, 2005.	5.2	0
5	The effects of roughness levels on the instability of the boundary-layer flow over a rotating disk with an enforced axial flow. <i>Physics of Fluids</i> , 2021, 33, .	4.0	7
6	On the effect of a penetrating recirculation region on the bifurcations of the flow past a permeable sphere. <i>Physics of Fluids</i> , 2021, 33, .	4.0	6
7	Investigation of the symmetry-breaking instability in a T-mixer with circular cross section. <i>Physics of Fluids</i> , 2020, 32, .	4.0	6
8	An Overview of Flow Features and Mixing in Micro T and Arrow Mixers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3669-3686.	3.7	46
9	Stability properties of the mean flow after a steady symmetry-breaking bifurcation and prediction of the nonlinear saturation. <i>Acta Mechanica</i> , 2019, 230, 3127-3141.	2.1	2
10	Sensitivity analysis and passive control of the secondary instability in the wake of a cylinder. <i>Journal of Fluid Mechanics</i> , 2019, 864, 45-72.	3.4	18
11	Flow dynamics of a dandelion pappus: A linear stability approach. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	31
12	Flow induced by a rotating cone: Base flow and convective stability analysis. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	9
13	T-mixer operating with water at different temperatures: Simulation and stability analysis. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	7
14	Suppression of von Kármán vortex streets past porous rectangular cylinders. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	29
15	Towards a quantitative comparison between global and local stability analysis. <i>Journal of Fluid Mechanics</i> , 2017, 819, 147-164.	3.4	13
16	Flow control of weakly non-parallel flows: application to trailing vortices. <i>Journal of Fluid Mechanics</i> , 2017, 822, 342-363.	3.4	1
17	Investigation of passive control of the wake past a thick plate by stability and sensitivity analysis of experimental data. <i>Journal of Fluid Mechanics</i> , 2017, 828, 753-778.	3.4	3
18	Effect of geometry modifications on the engulfment in micromixers: Numerical simulations and stability analysis. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 55, 360-366.	2.5	24

#	ARTICLE	IF	CITATIONS
19	Hub vortex instability within wind turbine wakes: Effects of wind turbulence, loading conditions, and blade aerodynamics. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	25
20	Stability analysis of boundary layers controlled by miniature vortex generators. <i>Journal of Fluid Mechanics</i> , 2015, 784, 596-618.	3.4	32
21	Stability analysis of the flow past miniature vortex generators in a Blasius boundary layer. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2015, 15, 485-486.	0.2	0
22	Instability of wind turbine wakes immersed in the atmospheric boundary layer. <i>Journal of Physics: Conference Series</i> , 2015, 625, 012034.	0.4	5
23	Flow regimes in T-shaped micro-mixers. <i>Computers and Chemical Engineering</i> , 2015, 76, 150-159.	3.8	69
24	Boundary layer stabilization using free-stream vortices. <i>Journal of Fluid Mechanics</i> , 2015, 764, .	3.4	19
25	Flow control design inspired by linear stability analysis. <i>Acta Mechanica</i> , 2015, 226, 979-1010.	2.1	22
26	Prediction of the hub vortex instability in a wind turbine wake: stability analysis with eddy-viscosity models calibrated on wind tunnel data. <i>Journal of Fluid Mechanics</i> , 2014, 750, .	3.4	89
27	Unsteady asymmetric engulfment regime in a T-mixer. <i>Physics of Fluids</i> , 2014, 26, 074101.	4.0	41
28	Numerical Investigation of the AFRODITE Transition Control Strategy. <i>Springer Proceedings in Physics</i> , 2014, , 65-69.	0.2	4
29	Linear stability analysis of wind turbine wakes performed on wind tunnel measurements. <i>Journal of Fluid Mechanics</i> , 2013, 737, 499-526.	3.4	107
30	Investigation of the steady engulfment regime in a three-dimensional T-mixer. <i>Physics of Fluids</i> , 2013, 25, .	4.0	80
31	Stability analysis of experimental flow fields behind a porous cylinder for the investigation of the large-scale wake vortices. <i>Journal of Fluid Mechanics</i> , 2013, 715, 499-536.	3.4	23
32	Stability analysis and control of the flow in a symmetric channel with a sudden expansion. <i>Physics of Fluids</i> , 2012, 24, .	4.0	43
33	Further generalized energies for the application of an energy criterion of conditional stability. <i>Acta Mechanica</i> , 2011, 218, 357-366.	2.1	3
34	Feedback control of the vortex-shedding instability based on sensitivity analysis. <i>Physics of Fluids</i> , 2010, 22, 094102.	4.0	24
35	Structural sensitivity of the secondary instability in the wake of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 651, 319-337.	3.4	46
36	Effect of confinement on three-dimensional stability in the wake of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 642, 477-487.	3.4	53

#	ARTICLE	IF	CITATIONS
37	Feedback control by low-order modelling of the laminar flow past a bluff body. <i>Journal of Fluid Mechanics</i> , 2009, 634, 405.	3.4	23
38	Simulation of Bluff-Body Flows Through a Hybrid RANS/VMS-LES Model. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009, , 429-440.	0.2	1
39	A locally superconvergent scheme for the simulation of turbulent flows in complex geometries. , 2009, , 493-498.		0
40	A non-linear observer for unsteady three-dimensional flows. <i>Journal of Computational Physics</i> , 2008, 227, 2626-2643.	3.8	14
41	Variational Multiscale LES and Hybrid RANS/LES Parallel Simulation of Complex Unsteady Flows. <i>Lecture Notes in Computer Science</i> , 2008, , 465-478.	1.3	1
42	On the inversion of the von Kármán street in the wake of a confined square cylinder. <i>Journal of Fluid Mechanics</i> , 2007, 574, 169-178.	3.4	38
43	A conditional stability criterion based on generalized energies. <i>Journal of Fluid Mechanics</i> , 2007, 581, 277-286.	3.4	4
44	Parallel simulation of three-dimensional complex flows: Application to two-phase compressible flows and turbulent wakes. <i>Advances in Engineering Software</i> , 2007, 38, 328-337.	3.8	9
45	Low-dimensional modelling of a confined three-dimensional wake flow. <i>Journal of Fluid Mechanics</i> , 2006, 569, 141.	3.4	58
46	Large-eddy simulation of the flow around a triangular prism with moderate aspect ratio. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2006, 94, 309-322.	3.9	29
47	Stokes eigenfunctions and Galerkin projection of the disturbance equations in plane Poiseuille flow: a systematic analytical approach. <i>Meccanica</i> , 2006, 41, 671-680.	2.0	3
48	Hybrid RANS/LES simulations of a bluff-body flow. <i>Wind and Structures, an International Journal</i> , 2005, 8, 407-426.	0.8	6
49	A low-diffusion MUSCL scheme for LES on unstructured grids. <i>Computers and Fluids</i> , 2004, 33, 1101-1129.	2.5	64
50	Large-eddy simulation of a bluff-body flow on unstructured grids. <i>International Journal for Numerical Methods in Fluids</i> , 2002, 40, 1431-1460.	1.6	35
51	Numerical Diffusion Based on High-Order Derivatives in MUSCL Schemes for LES on Unstructured Grids. <i>ERCOFTAC Series</i> , 2001, , 237-244.	0.1	4
52	T-shaped micromixers aligned in a row: characterization of the engulfment regime. <i>Acta Mechanica</i> , 0, , .	2.1	2