

# Georgios Rigas

## List of Publications by Year in descending order

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citations

623699

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794568

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29  
all docs

29  
docs citations

29  
times ranked

529  
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical mean-field model of symmetry-breaking in a turbulent wake. <i>Science Advances</i> , 2022, 8, eabm4786.	10.3	18
2	Input/output analysis of a Mach-6 cooled-wall hypersonic boundary layer using the One-Way Navier-Stokes (OWNS) Equations. , 2022, , .		0
3	Harmonic forcing of a laminar bluff body wake with rear pitching flaps. <i>Journal of Fluid Mechanics</i> , 2022, 945, .	3.4	4
4	Nonlinear input/output analysis: application to boundary layer transition. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	33
5	Optimal eddy viscosity for resolvent-based models of coherent structures in turbulent jets. <i>Journal of Fluid Mechanics</i> , 2021, 917, .	3.4	42
6	Nonlinear stochastic modelling with Langevin regression. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210092.	2.1	28
7	Input/Output Analysis of Hypersonic Boundary Layers using the One-Way Navier-Stokes (OWNS) Equations. , 2021, , .		5
8	Spectral proper orthogonal decomposition of compressor tip leakage flow. <i>Physics of Fluids</i> , 2021, 33, .	4.0	37
9	Lift-up, Kelvinâ€œHelmholtz and Orr mechanisms in turbulent jets. <i>Journal of Fluid Mechanics</i> , 2020, 896, .	3.4	49
10	Application of the One-Way Navier-Stokes (OWNS) Equations to Hypersonic Boundary Layers. , 2020, , .		7
11	Role of Coherent Structures in Turbulent Premixed Flame Acoustics. <i>AIAA Journal</i> , 2020, 58, 2635-2642.	2.6	5
12	A critical assessment of the parabolized stability equations. <i>Theoretical and Computational Fluid Dynamics</i> , 2019, 33, 359-382.	2.2	31
13	Resolvent-based analysis of streaks in turbulent jets. , 2019, , .		0
14	Eddy viscosity for resolvent-based jet noise models. , 2019, , .		15
15	Streaks and coherent structures in jets from round and serrated nozzles. , 2019, , .		3
16	Spectral analysis of jet turbulence. <i>Journal of Fluid Mechanics</i> , 2018, 855, 953-982.	3.4	268
17	Large-eddy simulations of co-annular turbulent jet using a Voronoi-based mesh generation framework. , 2018, , .		33
18	Stability of wall-bounded flows using one-way spatial integration of Navier-Stokes equations. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Weakly nonlinear modelling of a forced turbulent axisymmetric wake. Journal of Fluid Mechanics, 2017, 814, 570-591.	3.4	15
20	Experimental sensitivity analysis via a secondary heat source in an oscillating thermoacoustic system. International Journal of Spray and Combustion Dynamics, 2017, 9, 230-240.	1.0	15
21	One Way Navier-Stokes and resolvent analysis for modeling coherent structures in a supersonic turbulent jet. , 2017, , .		14
22	Weakly nonlinear analysis of thermoacoustic bifurcations in the Rijke tube. Journal of Fluid Mechanics, 2016, 805, 523-550.	3.4	32
23	Stochastic modelling and feedback control of bistability in a turbulent bluff body wake. Journal of Fluid Mechanics, 2016, 802, 726-749.	3.4	79
24	Experimental sensitivity analysis and control of thermoacoustic systems. Journal of Fluid Mechanics, 2016, 787, .	3.4	33
25	Diffusive dynamics and stochastic models of turbulent axisymmetric wakes. Journal of Fluid Mechanics, 2015, 778, .	3.4	60
26	High-frequency forcing of a turbulent axisymmetric wake. Journal of Fluid Mechanics, 2015, 770, 305-318.	3.4	33
27	Stability and Coherent Structures in the Wake of Axisymmetric Bluff Bodies. Fluid Mechanics and Its Applications, 2015, , 143-148.	0.2	1
28	Open-Loop Control of a Turbulent Axisymmetric Wake. Fluid Mechanics and Its Applications, 2015, , 137-142.	0.2	0
29	Low-dimensional dynamics of a turbulent axisymmetric wake. Journal of Fluid Mechanics, 2014, 755, .	3.4	89