Georgios Rigas

List of Publications by Year
in descending order

29 papers	956 citations	623699 14 h-index	794568 19 g-index
29 all docs	29 docs citations	29 times ranked	529 citing authors

#	Article	IF	Citations
1	Spectral analysis of jet turbulence. Journal of Fluid Mechanics, 2018, 855, 953-982.	3.4	268
2	Low-dimensional dynamics of a turbulent axisymmetric wake. Journal of Fluid Mechanics, 2014, 755, .	3.4	89
3	Stochastic modelling and feedback control of bistability in a turbulent bluff body wake. Journal of Fluid Mechanics, 2016, 802, 726-749.	3.4	79
4	Diffusive dynamics and stochastic models of turbulent axisymmetric wakes. Journal of Fluid Mechanics, 2015, 778, .	3.4	60
5	Lift-up, Kelvinâ€"Helmholtz and Orr mechanisms in turbulent jets. Journal of Fluid Mechanics, 2020, 896, .	3.4	49
6	Optimal eddy viscosity for resolvent-based models of coherent structures in turbulent jets. Journal of Fluid Mechanics, 2021, 917, .	3.4	42
7	Spectral proper orthogonal decomposition of compressor tip leakage flow. Physics of Fluids, 2021, 33, .	4.0	37
8	High-frequency forcing of a turbulent axisymmetric wake. Journal of Fluid Mechanics, 2015, 770, 305-318.	3.4	33
9	Experimental sensitivity analysis and control of thermoacoustic systems. Journal of Fluid Mechanics, 2016, 787, .	3.4	33
10	Large-eddy simulations of co-annular turbulent jet using a Voronoi-based mesh generation framework. , 2018, , .		33
11	Nonlinear input/output analysis: application to boundary layer transition. Journal of Fluid Mechanics, 2021, 911, .	3.4	33
12	Weakly nonlinear analysis of thermoacoustic bifurcations in the Rijke tube. Journal of Fluid Mechanics, 2016, 805, 523-550.	3.4	32
13	A critical assessment of the parabolized stability equations. Theoretical and Computational Fluid Dynamics, 2019, 33, 359-382.	2.2	31
14	Nonlinear stochastic modelling with Langevin regression. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210092.	2.1	28
15	An empirical mean-field model of symmetry-breaking in a turbulent wake. Science Advances, 2022, 8, eabm4786.	10.3	18
16	Weakly nonlinear modelling of a forced turbulent axisymmetric wake. Journal of Fluid Mechanics, 2017, 814, 570-591.	3.4	15
17	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
18	Eddy viscosity for resolvent-based jet noise models. , 2019, , .		15

#	Article	IF	Citations
19	One Way Navier-Stokes and resolvent analysis for modeling coherent structures in a supersonic turbulent jet. , 2017, , .		14
20	Stability of wall-bounded fows using one-way spatial integration of Navier-Stokes equations. , 2017, , .		7
21	Application of the One-Way Navier-Stokes (OWNS) Equations to Hypersonic Boundary Layers. , 2020, , .		7
22	Role of Coherent Structures in Turbulent Premixed Flame Acoustics. AIAA Journal, 2020, 58, 2635-2642.	2.6	5
23	Input/Output Analysis of Hypersonic Boundary Layers using the One-Way Navier-Stokes (OWNS) Equations. , 2021, , .		5
24	Harmonic forcing of a laminar bluff body wake with rear pitching flaps. Journal of Fluid Mechanics, 2022, 945, .	3.4	4
25	Streaks and coherent structures in jets from round and serrated nozzles. , 2019, , .		3
26	Stability and Coherent Structures in the Wake of Axisymmetric Bluff Bodies. Fluid Mechanics and Its Applications, 2015, , 143-148.	0.2	1
27	Resolvent-based analysis of streaks in turbulent jets. , 2019, , .		0
28	Open-Loop Control of a Turbulent Axisymmetric Wake. Fluid Mechanics and Its Applications, 2015, , 137-142.	0.2	0
29	Input/output analysis of a Mach-6 cooled-wall hypersonic boundary layer using the One-Way Navier-Stokes (OWNS) Equations. , 2022, , .		0