

# Vassilios Theofilis

## List of Publications by Year in descending order

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177  
papers

4,960  
citations

136740

32  
h-index

98622

67  
g-index

187  
all docs

187  
docs citations

187  
times ranked

2042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modal Analysis of Fluid Flows: An Overview. <i>AIAA Journal</i> , 2017, 55, 4013-4041.	1.5	1,020
2	Global Linear Instability. <i>Annual Review of Fluid Mechanics</i> , 2011, 43, 319-352.	10.8	523
3	Advances in global linear instability analysis of nonparallel and three-dimensional flows. <i>Progress in Aerospace Sciences</i> , 2003, 39, 249-315.	6.3	411
4	Issues in active flow control: theory, control, simulation, and experiment. <i>Progress in Aerospace Sciences</i> , 2004, 40, 237-289.	6.3	259
5	On the origins of unsteadiness and three-dimensionality in a laminar separation bubble. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 3229-3246.	1.6	153
6	Laminar-turbulent transition induced by a discrete roughness element in a supersonic boundary layer. <i>Journal of Fluid Mechanics</i> , 2013, 735, 613-646.	1.4	139
7	Viscous linear stability analysis of rectangular duct and cavity flows. <i>Journal of Fluid Mechanics</i> , 2004, 505, 249-286.	1.4	127
8	The extended Görtler-Hämmerlin model for linear instability of three-dimensional incompressible swept attachment-line boundary layer flow. <i>Journal of Fluid Mechanics</i> , 2003, 487, 271-313.	1.4	85
9	Order 10 <sup>4</sup> speedup in global linear instability analysis using matrix formation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013, 253, 287-304.	3.4	84
10	Structural changes of laminar separation bubbles induced by global linear instability. <i>Journal of Fluid Mechanics</i> , 2010, 655, 280-305.	1.4	82
11	On the birth of stall cells on airfoils. <i>Theoretical and Computational Fluid Dynamics</i> , 2011, 25, 105-117.	0.9	81
12	Instability and unsteadiness of aircraft wake vortices. <i>Aerospace Science and Technology</i> , 2003, 7, 577-593.	2.5	67
13	Four Decades of Studying Global Linear Instability: Progress and Challenges. <i>AIAA Journal</i> , 2012, 50, 2731-2743.	1.5	63
14	Investigation of unsteady, hypersonic, laminar separated flows over a double cone geometry using a kinetic approach. <i>Physics of Fluids</i> , 2018, 30, .	1.6	60
15	On the unsteadiness of shock-laminar boundary layer interactions of hypersonic flows over a double cone. <i>Physics of Fluids</i> , 2018, 30, .	1.6	59
16	Linear instability of low Reynolds number massively separated flow around three NACA airfoils. <i>Journal of Fluid Mechanics</i> , 2017, 811, 701-741.	1.4	57
17	On the formation of three-dimensional separated flows over wings under tip effects. <i>Journal of Fluid Mechanics</i> , 2020, 895, .	1.4	57
18	Modal Stability Theory. <i>Applied Mechanics Reviews</i> , 2014, 66, .	4.5	53

#	ARTICLE	IF	CITATIONS
19	Three-dimensional instabilities over a rectangular open cavity: from linear stability analysis to experimentation. <i>Journal of Fluid Mechanics</i> , 2014, 748, 189-220.	1.4	53
20	Linear modal instabilities of hypersonic flow over an elliptic cone. <i>Journal of Fluid Mechanics</i> , 2016, 804, 442-466.	1.4	53
21	On three-dimensional global linear instability analysis of flows with standard aerodynamics codes. <i>Aerospace Science and Technology</i> , 2014, 32, 223-234.	2.5	45
22	Spatial stability of incompressible attachment-line flow. <i>Theoretical and Computational Fluid Dynamics</i> , 1995, 7, 159-171.	0.9	41
23	Flow around a hemisphere-cylinder at high angle of attack and low Reynolds number. Part II: POD and DMD applied to reduced domains. <i>Aerospace Science and Technology</i> , 2015, 44, 88-100.	2.5	41
24	Massively Parallel Solution of the BiGlobal Eigenvalue Problem Using Dense Linear Algebra. <i>AIAA Journal</i> , 2009, 47, 2449-2459.	1.5	39
25	Transient growth analysis of the flow past a circular cylinder. <i>Physics of Fluids</i> , 2009, 21, 044103.	1.6	38
26	BiGlobal stability analysis in curvilinear coordinates of massively separated lifting bodies. <i>Journal of Computational Physics</i> , 2009, 228, 7181-7196.	1.9	38
27	Flow around a hemisphere-cylinder at high angle of attack and low Reynolds number. Part I: Experimental and numerical investigation. <i>Aerospace Science and Technology</i> , 2015, 44, 77-87.	2.5	38
28	Globally unstable basic flows in open cavities. , 2000, , .		37
29	The Nonlinear PSE-3D Concept for Transition Prediction in Flows with a Single Slowly-varying Spatial Direction. <i>Procedia IUTAM</i> , 2015, 14, 36-44.	1.2	37
30	Linear instability analysis of low-pressure turbine flows. <i>Journal of Fluid Mechanics</i> , 2009, 628, 57-83.	1.4	36
31	On linear instability mechanisms in incompressible open cavity flow. <i>Journal of Fluid Mechanics</i> , 2014, 752, 219-236.	1.4	35
32	Centerline instabilities on the hypersonic international flight research experimentation HIFiRE-5 elliptic cone model. <i>Journal of Fluids and Structures</i> , 2015, 53, 36-49.	1.5	35
33	Biglobal linear stability analysis for the flow in eccentric annular channels and a related geometry. <i>Physics of Fluids</i> , 2008, 20, .	1.6	34
34	On linear and nonlinear instability of the incompressible swept attachment-line boundary layer. <i>Journal of Fluid Mechanics</i> , 1998, 355, 193-227.	1.4	32
35	Finite Element Methods for Viscous Incompressible BiGlobal Instability Analysis on Unstructured Meshes. <i>AIAA Journal</i> , 2007, 45, 840-854.	1.5	32
36	The PSE-3D instability analysis methodology for flows depending strongly on two and weakly on the third spatial dimension. , 2011, , .		28

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37	Three-dimensional flow instability in a lid-driven isosceles triangular cavity. <i>Journal of Fluid Mechanics</i> , 2011, 675, 369-396.	1.4	26
38	Sparse Techniques in Global Flow Instability with Application to Compressible Leading-Edge Flow. <i>AIAA Journal</i> , 2013, 51, 2295-2303.	1.5	25
39	Instability and sensitivity analysis of flows using OpenFOAM®. <i>Chinese Journal of Aeronautics</i> , 2016, 29, 316-325.	2.8	25
40	On instability characteristics of isolated vortices and models of trailing-vortex systems. <i>Computers and Fluids</i> , 2004, 33, 741-753.	1.3	24
41	On the stability of the infinite swept attachment line boundary layer. , 1990, , 199-201.		24
42	An Algorithm for the Recovery of 2- and 3D BiGlobal Instabilities of Compressible Flow Over 2D Open Cavities. , 2003, , .		23
43	Stability analysis in spanwise-periodic double-sided lid-driven cavity flows with complex cross-sectional profiles. <i>Computers and Fluids</i> , 2011, 43, 143-153.	1.3	23
44	Simulation of Air Puff Tonometry Test Using Arbitrary Lagrangian-Eulerian (ALE) Deforming Mesh for Corneal Material Characterisation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 54.	1.2	22
45	Laminar separated flows over finite-aspect-ratio swept wings. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	21
46	Three-Dimensional Instabilities of Compressible Flow over Open Cavities: Direct Solution of the BiGlobal Eigenvalue Problem. , 2004, , .		20
47	Stability of Low-Reynolds-Number Separated Flow Around an Airfoil Near a Wavy Ground. <i>AIAA Journal</i> , 2019, 57, 29-34.	1.5	20
48	Receptivity characteristics of under-expanded supersonic impinging jets. <i>Journal of Fluid Mechanics</i> , 2020, 889, .	1.4	19
49	Transient growth mechanisms of low Reynolds number flow over a low-pressure turbine blade. <i>Theoretical and Computational Fluid Dynamics</i> , 2011, 25, 19-30.	0.9	18
50	Compressible modes in a square lid-driven cavity. <i>Aerospace Science and Technology</i> , 2015, 44, 125-134.	2.5	18
51	Modal analysis with proper orthogonal decomposition of hypersonic separated flows over a double wedge. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	18
52	On the synchronisation of three-dimensional shock layer and laminar separation bubble instabilities in hypersonic flow over a double wedge. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	1.4	18
53	Linear instability analysis of low- incompressible flow over a long rectangular finite-span open cavity. <i>Journal of Fluid Mechanics</i> , 2016, 799, .	1.4	16
54	Numerical experiments on the stability of leading edge boundary layer flow: A two-dimensional linear study. <i>International Journal for Numerical Methods in Fluids</i> , 1993, 16, 153-170.	0.9	15

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55	Receptivity of the turbulent precessing vortex core: synchronization experiments and global adjoint linear stability analysis. <i>Journal of Fluid Mechanics</i> , 2020, 888, .	1.4	15
56	SPECTRAL ELEMENT STABILITY ANALYSIS OF VORTICAL FLOWS. , 2006, , 153-158.		14
57	Global and Local Hydrodynamic Stability Analysis as a Tool for Combustor Dynamics Modeling. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	14
58	Lattice Boltzmann methods for global linear instability analysis. <i>Theoretical and Computational Fluid Dynamics</i> , 2017, 31, 643-664.	0.9	14
59	On Unstable 2D Basic States in Low Pressure Turbine Flows at Moderate Reynolds Numbers. , 2004, , .		13
60	Eigenmodes of a Counter-Rotating Vortex Dipole. <i>AIAA Journal</i> , 2008, 46, 2796-2805.	1.5	13
61	The linearized pressure Poisson equation for global instability analysis of incompressible flows. <i>Theoretical and Computational Fluid Dynamics</i> , 2017, 31, 623-642.	0.9	13
62	Characteristics of acoustic and hydrodynamic waves in under-expanded supersonic impinging jets. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	13
63	Linear stability analysis of hypersonic boundary layers computed by a kinetic approach: a semi-infinite flat plate at $4.5 \leq M_\infty \leq 9$ . <i>Theoretical and Computational Fluid Dynamics</i> , 2022, 36, 117-139.	0.9	13
64	Linear instability in the wake of an elliptic wing. <i>Theoretical and Computational Fluid Dynamics</i> , 2017, 31, 483-504.	0.9	12
65	Linear global instability of non-orthogonal incompressible swept attachment-line boundary-layer flow. <i>Journal of Fluid Mechanics</i> , 2012, 710, 131-153.	1.4	11
66	Fluid-Structure Interaction Based Algorithms for IOP and Corneal Material Behavior. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 970.	2.0	11
67	Linear modal instabilities around post-stall swept finite wings at low Reynolds numbers. <i>Journal of Fluid Mechanics</i> , 2022, 944, .	1.4	11
68	On the use of matrix-free shift-invert strategies for global flow instability analysis. <i>Aerospace Science and Technology</i> , 2015, 44, 69-76.	2.5	10
69	Formation of Three-Dimensional Structures in the Hemisphere-Cylinder. <i>AIAA Journal</i> , 2016, 54, 3884-3894.	1.5	10
70	Kinetic modeling of unsteady hypersonic flows over a tick geometry. <i>Physics of Fluids</i> , 2019, 31, .	1.6	10
71	Global linear instabilities in laminar separated boundary layer flow. , 2000, , 663-668.		10
72	Special issue on the fluid mechanics of hypersonic flight. <i>Theoretical and Computational Fluid Dynamics</i> , 2022, 36, 1-8.	0.9	10

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73	BiGlobal stability analysis of steady flow in constricted channel geometries. International Journal for Numerical Methods in Fluids, 2005, 47, 1229-1235.	0.9	9
74	Linear Stability of the flow past a low pressure turbine blade. , 2006, , .		9
75	High-order methods for the numerical solution of the BiGlobal linear stability eigenvalue problem in complex geometries. International Journal for Numerical Methods in Fluids, 2011, 65, 923-952.	0.9	9
76	On Global Linear Instability Mechanisms of Flow Around Airfoils at Low Reynolds Number and High Angle of Attack. Procedia IUTAM, 2015, 14, 88-95.	1.2	9
77	Correction: Modal Analysis of Fluid Flows: An Overview. AIAA Journal, 2020, 58, AU9-AU9.	1.5	9
78	A kinetic approach to studying low-frequency molecular fluctuations in a one-dimensional shock. Physics of Fluids, 2021, 33, .	1.6	9
79	The discrete temporal eigenvalue spectrum of the generalised Hiemenz flow as solution of the Orr-Sommerfeld equation. Journal of Engineering Mathematics, 1994, 28, 241-259.	0.6	8
80	Spectral Multi-Domain Methods for BiGlobal Instability Analysis of Complex Flows over Open Cavity Configurations. , 2006, , .		8
81	Acoustic Resonances in 2D Open Cavities. Acta Acustica United With Acustica, 2013, 99, 572-581.	0.8	8
82	Spatial linear global instability analysis of the HiFiRE-5 elliptic cone model flow. , 2013, , .		8
83	On the spatial structure of global linear instabilities and their experimental identification. Aerospace Science and Technology, 2000, 4, 249-262.	2.5	7
84	Transient growth analysis of hypersonic flow over an elliptic cone. Journal of Fluid Mechanics, 2022, 935, .	1.4	7
85	Effect of Aspect Ratio on the Three-Dimensional Global Instability Analysis of Incompressible Open Cavity Flows. , 2011, , .		6
86	Coupling time-stepping numerical methods and standard aerodynamics codes for instability analysis of flows in complex geometries. , 2011, , .		6
87	High-frequency instabilities along the windward face of a hypersonic yawed circular cone. , 2014, , .		6
88	Traveling global instabilities on the HiFiRE-5 elliptic cone model flow. , 2014, , .		6
89	Linearised dynamics and non-modal instability analysis of an impinging under-expanded supersonic jet. Journal of Physics: Conference Series, 2018, 1001, 012019.	0.3	6
90	On Instability and Structural Sensitivity of Incompressible Laminar Separation Bubbles on a Flat-Plate Boundary Layer. , 2008, , .		5

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91	Linear instability of orthogonal compressible leading-edge boundary layer flow. , 2011, , .		5
92	Special issue on global flow instability and control. Theoretical and Computational Fluid Dynamics, 2011, 25, 1-6.	0.9	5
93	Inception and evolution of coherent structures in under-expanded supersonic jets. Journal of Physics: Conference Series, 2016, 708, 012015.	0.3	5
94	Slip Effects on the Stability of Supersonic Laminar Flat Plate Boundary Layer. , 2021, , .		5
95	Analytical prediction of low-frequency fluctuations inside a one-dimensional shock. Theoretical and Computational Fluid Dynamics, 2022, 36, 25-40.	0.9	5
96	Title is missing!. Journal of Engineering Mathematics, 1998, 34, 111-129.	0.6	4
97	BiGlobal Instability Analysis of Turbulent Flow Over an Airfoil at an Angle of Attack. , 2008, , .		4
98	Massively Parallel Numerical Solution of the BiGlobal Linear Instability Eigenvalue Problem. , 2008, , .		4
99	Three-Dimensional Solutions of Trailing-Vortex Flows Using Parabolized Equations. AIAA Journal, 2013, 51, 2763-2770.	1.5	4
100	Stability analysis of the flow around a cylinder fitted with helical strakes. , 2013, , .		4
101	Instability Mechanisms in Straight-Diverging-Straight Channels. Procedia IUTAM, 2015, 14, 236-245.	1.2	4
102	Instability Study of the Wake Behind a Discrete Roughness Element in a Hypersonic Boundary-Layer. Fluid Mechanics and Its Applications, 2015, , 91-96.	0.1	4
103	Optimal Growth of Linear Perturbations in Low Pressure Turbine Flows. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2008, , 339-343.	0.1	4
104	Global Instabilities and Control of Nonparallel Flows (Invited). , 2002, , .		3
105	High-Order Finite Element Methods for Global Viscous Linear Instability Analysis of Internal Flows. , 2007, , .		3
106	Wave-like Disturbances on the Downstream Wall of an Open Cavity. , 2011, , .		3
107	Towards the foundation of a global modes concept. , 2011, , .		3
108	BiGlobal and Point Vortex Methods for the Instability Analysis of Wakes. , 2013, , .		3

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109	Three-dimensional instabilities over a rectangular open cavity: from linear stability analysis to experimentation – ERRATUM. Journal of Fluid Mechanics, 2014, 751, 747-748.	1.4	3
110	Investigation of the Global Mode in Swirling Combustor Flows: Experimental Observations and Local and Global Stability Analysis. Procedia IUTAM, 2015, 14, 553-562.	1.2	3
111	On vortex filament methods for linear instability analysis of aircraft wakes. Aerospace Science and Technology, 2015, 44, 51-68.	2.5	3
112	Steady-States of Supersonic Flows Over Compression Ramps. , 2019, , .		3
113	Wake Dynamics of Finite Aspect Ratio Wings. Part III: TriGlobal Linear Stability Analysis. , 2019, , .		3
114	Steady Laminar Solutions of Hypersonic Flow Over Oberkampf Bodies at Cruise. , 2021, , .		3
115	Global Linear Stability Analysis of the Supersonic Flows Over a Hollow Cylinder Flare Model. , 2021, , .		3
116	LES Modeling Errors in Free and Wall Bounded Compressible Shear Layers. , 1993, , 325-334.		3
117	Boundary-layer growth on a rotating and accelerating sphere. Canadian Journal of Physics, 1987, 65, 23-27.	0.4	2
118	Complex-grid spectral algorithms for inviscid linear instability of boundary-layer flows. Computers and Fluids, 2003, 32, 691-726.	1.3	2
119	On Instability Properties of Incompressible Laminar Separation Bubbles on a Flat Plate Prior to Shedding. , 2007, , .		2
120	Linear global instability of non-orthogonal incompressible swept attachment-line boundary layer flow. , 2011, , .		2
121	Global linear instability at the dawn of its 4th decade: a list of challenges (A practical guide on how) Tj ETQq1 1 0.784314 rgBT /Overl		2
122	On Global Instability of Variable Aspect Ratio Channel Flows. , 2012, , .		2
123	On the Role of Global Flow Instability Analysis In Closed Loop Flow Control. , 2012, , .		2
124	Time-resolved Particle Image Velocimetry and Structural Analysis on An Hemisphere-Cylinder at Low Reynolds Numbers and Large Angle of Incidence. , 2012, , .		2
125	Modal and non-modal global instability analyses of low-Re massively separated flow around a NACA 0015 airfoil. , 2016, , .		2
126	Distributed Solution of Global Eigenvalue Problems on Large Clusters. , 2017, , .		2



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127	Global Transient-Growth Analysis of Hypersonic Flow on the HIFiRE-5 Elliptic Cone Model. , 2019, , .		2
128	Effect of the Trailing Edge Geometry on the Unsteadiness of the Flow Around a Stalled NACA 0015 Airfoil. Fluid Mechanics and Its Applications, 2015, , 45-50.	0.1	2
129	Flow Control Experiments, Simulation and Modeling Approaches (Invited). , 2002, , .		1
130	ON FUNDAMENTAL INSTABILITY MECHANISMS OF NOMINALLY 2-D SEPARATION BUBBLES. , 2006, , 89-95.		1
131	Finite-Element Numerical Methods for BiGlobal Linear Instability Analysis of Vortical Flows. , 2007, , .		1
132	Compressibility Effects in Howarth's Separation Bubble on a Flat Plate. , 2008, , .		1
133	Global Stability of Cubic and Large Aspect Ratio Three-Dimensional Lid-Driven Cavities. , 2012, , .		1
134	A Shift-Invert Strategy for Global Flow Instability Analysis Using Matrix-Free Methods. , 2012, , .		1
135	Parabolic Navier-Stokes Solutions of Trailing Vortex Flows. , 2012, , .		1
136	A unified framework for global instability mechanisms in the plane channel, diverging channel and backward-facing step flow. , 2013, , .		1
137	Accurate Parabolic Navier-Stokes solutions of the supersonic flow around an elliptic cone. , 2013, , .		1
138	Structural analysis on a hemisphere-cylinder at moderate Reynolds number and high angle of attack. , 2013, , .		1
139	Linear Instability Analysis of Incompressible Flow Over A Cuboid Cavity. Procedia IUTAM, 2015, 14, 511-518.	1.2	1
140	Global and Local Hydrodynamic Stability Analysis as a Tool for Combustor Dynamics Modeling. , 2015, , .		1
141	Instability and Control of Massively Separated Flows. Fluid Mechanics and Its Applications, 2015, , .	0.1	1
142	Numerical Studies of Non-linear Intrinsic Streaks in the Flat Plate Boundary Layer. Procedia IUTAM, 2015, 14, 479-486.	1.2	1
143	Three-Dimensional Transition of the Flow Past a Cylinder Fitted with Helical Strakes. Fluid Mechanics and Its Applications, 2015, , 111-116.	0.1	1
144	Vortex Filament and Global Instability Analysis of the Crow Mode. Fluid Mechanics and Its Applications, 2015, , 229-234.	0.1	1

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145	Effects of Reynolds Number on Laminar Boundary Layer Shock-Interaction Hypersonic Flows on a Double Cone. , 2018, , .		1
146	Use of particle methods for understanding hypersonic shock boundary layer interactions. AIP Conference Proceedings, 2019, , .	0.3	1
147	Wake Dynamics of Finite Aspect Ratio Wings. Part II: Computational Study. , 2019, , .		1
148	On subcritical breakdown to turbulence in swept wing attachment line boundary layer flows. Notes on Numerical Fluid Mechanics, 1997, , 351-358.	0.1	1
149	Receptivity Processes and Transition Scenarios for Swept-Wing Flows with HLF Technology. , 2001, , 172-179.		1
150	An Investigation of the Non-Linear Instability of Flow near a Swept Attachment-Line. , 1990, , 389-394.		1
151	On the resolution of critical flow regions in inviscid linear and nonlinear instability calculations. , 1998, , 111-129.		1
152	Numerical Simulation of a Synthetic Jet with OpenFOAM. Fluid Mechanics and Its Applications, 2015, , 197-202.	0.1	1
153	Numerical aspects of flow stability in the Veldman boundary layers. , 1995, , 358-362.		1
154	The effect of an isolated cylindrical roughness element on a semi-infinite flat plate in rarefied Mach 6 flow is studied using Direct Simulation Monte Carlo methods. , 2022, , .		1
155	A finite volume approach to compressible Large Eddy Simulations. Flow, Turbulence and Combustion, 1993, 51, 325-329.	0.2	0
156	Flow and Flow Instability Inside a Microcavity. , 2002, , .		0
157	On Numerical Prediction of the Stability of Hypersonic Boundary-Layer Flow Over a Row of Microcavities. , 2003, , 1793.		0
158	On Instability Analysis of Realistic Intake Flows. , 2008, , .		0
159	On Multidimensional Global Eigenvalue Problems for Hydrodynamic and Aeroacoustic instabilities. , 2009, , .		0
160	High-Order Numerical Methods for BiGlobal Flow Instability Analysis and Control. , 2011, , .		0
161	On Global Linear Instability Analysis of Hypersonic Flow Around a Model Re-Entry Vehicle. , 2013, , .		0
162	Global Instability Analysis of Laminar Boundary Layer Flow Over a Bump at Transonic Conditions. Procedia IUTAM, 2015, 14, 503-510.	1.2	0

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163	Second Multiflow Summer School on Turbulence. Journal of Physics: Conference Series, 2016, 708, 011001.	0.3	0
164	Control of flow instabilities in an open aircraft bay model cavity. , 2016, , .		0
165	Special issue on global flow instability and control. Theoretical and Computational Fluid Dynamics, 2017, 31, 471-474.	0.9	0
166	Development of New Techniques for Studying Unsteady Behavior in Hypersonic Boundary Layer Interactions. , 2018, , .		0
167	Wake Dynamics of Finite Aspect Ratio Wings. Part I: An Experimental Study. , 2019, , .		0
168	Analysis of Spanwise Homogeneous Perturbations in Laminar Hypersonic Shock-Boundary Layer Interactions. , 2020, , .		0
169	Linear Instability Mechanisms of Supersonic Flow Past Blunt Bodies. , 2021, , .		0
170	Minisymposium "Global Flow Instability" Mathematics in Industry, 2008, , 188-190.	0.1	0
171	Numerical Considerations in Spectral Multidomain Methods for BiGlobal Instability Analysis of Open Cavity Configurations. Mathematics in Industry, 2008, , 201-206.	0.1	0
172	On receptivity and modal linear instability of laminar separation bubbles at all speeds. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 343-348.	0.1	0
173	A Finite Volume Approach to Compressible Large Eddy Simulations. Fluid Mechanics and Its Applications, 1993, , 325-329.	0.1	0
174	Numerical and Experimental Investigation of Secondary Instability in Leading Edge Boundary Layer Flow. , 1995, , 429-435.		0
175	Molecular Dynamics Simulations of Couette Flow. Fluid Mechanics and Its Applications, 2015, , 223-228.	0.1	0
176	Prologue to the International Conference on Massively Separated Flows and Their Control. Fluid Mechanics and Its Applications, 2015, , 1-3.	0.1	0
177	On Linear Stability of Compression Corner Flows Obtained by Kinetic Theory. , 2022, , .		0