Gianni Pedrizzetti

List of Publications by Year
in descending order

149	7,164	94433	60623
papers	citations	37 h-index	81 g-index

154	154	154	6268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Home-based exercise program improves normal right ventricle function in renal transplant recipients. Journal of Sports Medicine and Physical Fitness, 2022, 62, .	0.7	0
2	Cardiovascular magnetic resonance-derived left ventricular intraventricular pressure gradients among patients with precapillary pulmonary hypertension. European Heart Journal Cardiovascular Imaging, 2022, 24, 78-87.	1.2	7
3	Impact of intraventricular haemodynamic forces misalignment on left ventricular remodelling after myocardial infarction. ESC Heart Failure, 2022, 9, 496-505.	3.1	12
4	Noninvasive Evaluation of Intraventricular Flow Dynamics by the HyperDoppler Technique: First Application to Normal Subjects, Athletes, and Patients with Heart Failure. Journal of Clinical Medicine, 2022, 11, 2216.	2.4	5
5	Surrogate models provide new insights on metrics based on blood flow for the assessment of left ventricular function. Scientific Reports, 2022, 12, .	3.3	2
6	Cardiac and Vascular Remodeling After 6 Months of Therapy With Sacubitril/Valsartan: Mechanistic Insights From Advanced Echocardiographic Analysis. Frontiers in Cardiovascular Medicine, 2022, 9, .	2.4	9
7	On the characterization of athleteâ€™s heart using 3D echocardiography. European Journal of Preventive Cardiology, 2022, 29, 1592-1593.	1.8	1
8	Impact of synchronous atrioventricular delay optimization on left ventricle flow force angle evaluated by echocardiographic particle image velocimetry. Journal of Interventional Cardiac Electrophysiology, 2021, , 1.	1.3	1
9	Implantable Fiber Bragg Grating Sensor for Continuous Heart Activity Monitoring: Ex-Vivo and In-Vivo Validation. IEEE Sensors Journal, 2021, 21, 14051-14059.	4.7	11
10	The effect of aortic root anatomy and vortex flow induced shear stress on the aortic valve leaflets. European Heart Journal Cardiovascular Imaging, 2021, 22, 995-997.	1.2	0
11	The hemodynamic power of the heart differentiates normal from diseased right ventricles. Journal of Biomechanics, 2021, 119, 110312.	2.1	4
12	Comparative Analysis of Right Ventricle Fluid Dynamics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 667408.	4.1	12
13	Computed tomography derived left ventricular inward displacement as a novel tool for quantification of segmental wall motion abnormalities. International Journal of Cardiovascular Imaging, 2021, 37, 3589-3590.	1.5	3
14	A Novel Approach to Left Ventricular Filling Pressure Assessment: The Role of Hemodynamic Forces Analysis. Frontiers in Cardiovascular Medicine, 2021, 8, 704909.	2.4	1
15	Introduction to Hemodynamic Forces Analysis: Moving Into the New Frontier of Cardiac Deformation Analysis. Journal of the American Heart Association, 2021, 10, e023417.	3.7	27
16	311â€ƒA new color Doppler-based echocardiographic technique for evaluation of intraventricular flow dynamics: first application to normal subjects, athletes, and patients. European Heart Journal Supplements, 2021, 23, .	0.1	0
17	Reference Ranges of Left Ventricular Hemodynamic Forces in Healthy Adults: A Speckle-Tracking Echocardiographic Study. Journal of Clinical Medicine, 2021, 10, 5937.	2.4	6
18	A new integrated approach to cardiac mechanics: reference values for normal left ventricle. International Journal of Cardiovascular Imaging, 2020, 36, 2173-2185.	1.5	20

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19	Evaluation of Left Atrial Size and Function: Relevance for Clinical Practice. Journal of the American Society of Echocardiography, 2020, 33, 934-952.	2.8	110
20	NOVEL INSIGHTS INTO FUNCTION OF SINGLE LEFT VENTRICLE FROM ECHOCARDIOGRAPHIC THREE-DIMENSIONAL PRINCIPAL STRAIN ANALYSIS. Journal of the American College of Cardiology, 2020, 75, 589.	2.8	0
21	Simultaneous Volumetric and Functional Assessment of the Right Ventricle in Hypoplastic Left Heart Syndrome After Fontan Palliation, Utilizing 3-Dimensional Speckle-Tracking Echocardiography. Circulation Journal, 2020, 84, 235-244.	1.6	17
22	Cardiac Fluid Dynamics in Prolapsed and Repaired Mitral Valve. Lecture Notes in Mechanical Engineering, 2020, , 857-867.	0.4	0
23	Abstract 16215: Ventricular Dyssynchrony is Associated With Arrhythmic Mitral Prolapse Prior to Chamber Remodeling. Circulation, 2020, 142, .	1.6	0
24	Abstract 15457: Novel Three-dimensional Principal Strain Analysis for Global Function of Right Ventricle After Repair of Tetralogy of Fallot. Can It Predict Need for Pulmonary Valve Replacement?. Circulation, 2020, 142, .	1.6	0
25	Changes in Intraventricular Flow Patterns after MitraClip Implant in Patients with Functional Severe Mitral Regurgitation. Journal of the American Society of Echocardiography, 2019, 32, 1250-1253.e1.	2.8	8
26	Diagnostic and prognostic significance of cardiovascular vortex formation. Journal of Cardiology, 2019, 74, 403-411.	1.9	32
27	Range Variability in CMR Feature Tracking Multilayer Strain across Different Stages of Heart Failure. Scientific Reports, 2019, 9, 16478.	3.3	20
28	Analysis of mitral valve regurgitation by computational fluid dynamics. APL Bioengineering, 2019, 3, 036105.	6.2	19
29	Intracardiac flow analysis in cardiac resynchronization therapy: A new challenge?. Echocardiography, 2019, 36, 1919-1929.	0.9	7
30	Simplified mitral valve modeling for prospective clinical application of left ventricular fluid dynamics. Journal of Computational Physics, 2019, 398, 108895.	3.8	13
31	Assessment of Global Longitudinal and Circumferential Strain Using Computed Tomography Feature Tracking: Intra-Individual Comparison with CMR Feature Tracking and Myocardial Tagging in Patients with Severe Aortic Stenosis. Journal of Clinical Medicine, 2019, 8, 1423.	2.4	17
32	On the computation of hemodynamic forces in the heart chambers. Journal of Biomechanics, 2019, 95, 109323.	2.1	26
33	The Relationship Between EF and StrainÂPermits a More Accurate Assessment of LV Systolic Function. JACC: Cardiovascular Imaging, 2019, 12, 1893-1895.	5.3	21
34	Left Ventricular Response to Cardiac Resynchronization Therapy: Insights From Hemodynamic Forces Computed by Speckle Tracking. Frontiers in Cardiovascular Medicine, 2019, 6, 59.	2.4	9
35	Combined flow-based imaging assessment of optimal cardiac resynchronization therapy pacing vector: aÂcase report. Journal of Medical Case Reports, 2019, 13, 161.	0.8	0
36	Intraventricular flow patterns during right ventricular apical pacing. Open Heart, 2019, 6, e001057.	2.3	3

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37	Right Ventricle Systolic And Diastolic Function In Renal Transplant Recipients after 12 Months Of Unsupervised Exercise Training. Medicine and Science in Sports and Exercise, 2019, 51, 609-609.	0.4	0
38	Integration between volumetric change and strain for describing the global mechanical function of the left ventricle. Medical Engineering and Physics, 2019, 74, 65-72.	1.7	4
39	Influence of mitral valve elasticity on flow development in the left ventricle. European Journal of Mechanics, B/Fluids, 2019, 75, 110-118.	2.5	9
40	Intracardiac Flow Analysis: Techniques and Potential Clinical Applications. Journal of the American Society of Echocardiography, 2019, 32, 319-332.	2.8	56
41	The Intraventricular Hemodynamic Forces Estimated Using Routine CMR Cine Images. JACC: Cardiovascular Imaging, 2019, 12, 377-379.	5.3	21
42	Global longitudinal strain assessment by computed tomography in severe aortic stenosis patients - Feasibility using feature tracking analysis. Journal of Cardiovascular Computed Tomography, 2019, 13, 157-162.	1.3	28
43	Cardiac fluid dynamics meets deformation imaging. Cardiovascular Ultrasound, 2018, 16, 4.	1.6	7
44	Home-based Exercise Improves Heart Contractility Determined by 2D Speckle Tracking Strain in Renal Transplant Recipients. Medicine and Science in Sports and Exercise, 2018, 50, 421-422.	0.4	0
45	Optimal helical entry flow in a helical vessel. Fluid Dynamics Research, 2018, 50, 065503.	1.3	2
46	Hemodynamic forces using four-dimensional flow MRI: an independent biomarker of cardiac function in heart failure with left ventricular dyssynchrony?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1627-H1639.	3.2	27
47	Changes in global longitudinal strain in renal transplant recipients following 12Âmonths of exercise. Internal and Emergency Medicine, 2018, 13, 805-809.	2.0	8
48	Usefulness of Left Ventricular Vortex Flow Analysis for Predicting Clinical Outcomes in Patients with Chronic Heart Failure: A Quantitative Vorticity Imaging Study Using Contrast Echocardiography. Ultrasound in Medicine and Biology, 2018, 44, 1951-1959.	1.5	15
49	Hemodynamic forces in the left and right ventricles of the human heart using 4D flow magnetic resonance imaging: Phantom validation, reproducibility, sensitivity to respiratory gating and free analysis software. PLoS ONE, 2018, 13, e0195597.	2.5	24
50	Fluid flow in a helical vessel in presence of a stenosis. Meccanica, 2017, 52, 545-553.	2.0	5
51	Precision Phenotyping in Heart Failure andÂPattern Clustering of Ultrasound DataÂfor the Assessment of DiastolicÂDysfunction. JACC: Cardiovascular Imaging, 2017, 10, 1291-1303.	5.3	78
52	Cardiac resynchronization therapy by multipoint pacing improves response of left ventricular mechanics and fluid dynamics: a three-dimensional and particle image velocimetry echo study. Europace, 2017, 19, 1833-1840.	1.7	25
53	Left and right ventricular hemodynamic forces in healthy volunteers and elite athletes assessed with 4D flow magnetic resonance imaging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H314-H328.	3.2	45
54	Special issue on Advances in biomechanics: from foundations to applications. Meccanica, 2017, 52, 487-488.	2.0	1

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55	2D longitudinal LV speckle tracking strain pattern in breast cancer survivors: sports activity vs exercise as prescription model. Internal and Emergency Medicine, 2017, 12, 1149-1157.	2.0	7
56	On estimating intraventricular hemodynamic forces from endocardial dynamics: A comparative study with 4D flow MRI. Journal of Biomechanics, 2017, 60, 203-210.	2.1	46
57	Assessment Of Myocardial Mechanics In Renal Transplant Recipients Using Speckle Tracking Echocardiography. Medicine and Science in Sports and Exercise, 2017, 49, 157-158.	0.4	0
58	Cardioprotection in Brest Cancer Survivors. Medicine and Science in Sports and Exercise, 2017, 49, 675.	0.4	0
59	Feasibility Of 2D Strain For Assessing Myocardial Function In Trained And Not-trained Renal Transplant Recipients. Medicine and Science in Sports and Exercise, 2016, 48, 207.	0.4	0
60	Cardiovascular Outcomes in Renal Transplant Recipients: Feasibility and Clinical Role of 2D Speckle Tracking to Assess Myocardial Function. Journal of Functional Morphology and Kinesiology, 2016, 1, 109-117.	2.4	3
61	Clinical Application of 2D Speckle Tracking Strain for Assessing Cardio-Toxicity in Oncology. Journal of Functional Morphology and Kinesiology, 2016, 1, 343-354.	2.4	5
62	Principles of cardiovascular magnetic resonance feature tracking and echocardiographic speckle tracking for informed clinical use. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 51.	3.3	279
63	Evaluation Of Myocardial Function In Female Athletes Post Breast Cancer. Medicine and Science in Sports and Exercise, 2016, 48, 187-188.	0.4	1
64	Intracardiac hemodynamic forces using 4D flow: a new reproducible method applied to healthy controls, elite athletes and heart failure patients. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q61.	3.3	5
65	Left ventricular pacing vector selection by novel echo-particle imaging velocimetry analysis for optimization of quadripolar cardiac resynchronization device: a case report. Journal of Medical Case Reports, 2016, 10, 191.	0.8	5
66	Differences in aortic vortex flow pattern between normal and patients with stroke: qualitative and quantitative assessment using transesophageal contrast echocardiography. International Journal of Cardiovascular Imaging, 2016, 32, 45-52.	1.5	6
67	Changes in electrical activation modify the orientation of left ventricular flow momentum: novel observations using echocardiographic particle image velocimetry. European Heart Journal Cardiovascular Imaging, 2016, 17, 203-209.	1.2	44
68	Hemodynamic forces in a model left ventricle. Physical Review Fluids, 2016, 1, .	2.5	17
69	123â€...Myocardial and Fluid Mechanics by Echocardiography Detect Subclinical Changes in Type 2 Diabetes Mellitus. Heart, 2015, 101, A70-A71.	2.9	0
70	Vortex imaging: new information gain from tracking cardiac energy loss. European Heart Journal Cardiovascular Imaging, 2015, 16, 719-720.	1.2	18
71	Tissue Tracking Technology for Assessing Cardiac Mechanics. JACC: Cardiovascular Imaging, 2015, 8, 1444-1460.	5.3	343
72	Definitions for a Common Standard for 2D Speckle Tracking Echocardiography: Consensus Document of the EACVI/ASE/Industry Task Force to Standardize Deformation Imaging. Journal of the American Society of Echocardiography, 2015, 28, 183-193.	2.8	855

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73	Comments on Defining the Contribution of DiastolicÂVortex Ring to Left Ventricular Filling. Journal of the American College of Cardiology, 2015, 65, 2573-2574.	2.8	1
74	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 1-11.	1.2	830
75	Cardiac fluid dynamics anticipates heart adaptation. Journal of Biomechanics, 2015, 48, 388-391.	2.1	48
76	Left Ventricular Fluid Mechanics: The Long Way from Theoretical Models to Clinical Applications. Annals of Biomedical Engineering, 2015, 43, 26-40.	2.5	47
77	Asymptotic Model of Fluidâ€“Tissue Interaction for Mitral Valve Dynamics. Cardiovascular Engineering and Technology, 2015, 6, 95-104.	1.6	34
78	Diagnostic Concordance of Echocardiography and Cardiac Magnetic Resonanceâ€“Based Tissue Tracking for Differentiating Constrictive Pericarditis From Restrictive Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 819-827.	2.6	52
79	Quantitative analysis of intraventricular blood flow dynamics by echocardiographic particle image velocimetry in patients with acute myocardial infarction at different stages of left ventricular dysfunction. European Heart Journal Cardiovascular Imaging, 2014, 15, 1203-1212.	1.2	61
80	Three-dimensional reconstruction of cardiac flows based on multi-planar velocity fields. Experiments in Fluids, 2014, 55, 1.	2.4	16
81	Effects of Right Ventricular Hemodynamic Burden on Intraventricular Flow in Tetralogy of Fallot: An Echocardiographic Contrast Particle Imaging Velocimetry Study. Journal of the American Society of Echocardiography, 2014, 27, 1311-1318.	2.8	15
82	3D Strain helps relating LV function to LV and structure in athletes. Cardiovascular Ultrasound, 2014, 12, 33.	1.6	20
83	Three-Dimensional Principal Strain Analysis forÂCharacterizing Subclinical Changes in Left Ventricular Function. Journal of the American Society of Echocardiography, 2014, 27, 1041-1050.e1.	2.8	68
84	On the geometrical relationship between global longitudinal strain and ejection fraction in the evaluation of cardiac contraction. Journal of Biomechanics, 2014, 47, 746-749.	2.1	21
85	The vortexâ€”an early predictor of cardiovascular outcome?. Nature Reviews Cardiology, 2014, 11, 545-553.	13.7	270
86	3d Strain For The Left Ventricular Function Evaluation In Athletes With Bicuspid Aortic Valve.. Medicine and Science in Sports and Exercise, 2014, 46, 329.	0.4	0
87	Contrast echocardiography for assessing left ventricular vortex strength in heart failure: a prospective cohort study. European Heart Journal Cardiovascular Imaging, 2013, 14, 1049-1060.	1.2	97
88	Ultrasound Assessment of the Force-Frequency Relationship from the Law of Conservation of Momentum in Patients with Left Ventricular Dysfunction. Ultrasound in Medicine and Biology, 2013, 39, 585-591.	1.5	1
89	CRT Improves LV Filling Dynamics. JACC: Cardiovascular Imaging, 2013, 6, 704-713.	5.3	36
90	Comparative numerical study on left ventricular fluid dynamics after dilated cardiomyopathy. Journal of Biomechanics, 2013, 46, 1611-1617.	2.1	67

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91	Echocardiography and Cardiac Magnetic Resonanceâ€Based Feature Tracking in the Assessment of Myocardial Mechanics in Tetralogy of Fallot: An Intermodality Comparison. Echocardiography, 2013, 30, 203-210.	0.9	63
92	Myocardial Stretch in Early Systole is a Key Determinant of the Synchrony of Left Ventricular Mechanical Activity in vivo. Circulation Journal, 2013, 77, 2526-2534.	1.6	7
93	Aging Does Not Affect Radial Viscoelastic Behavior of the Left Ventricle. Cardiology, 2013, 125, 38-49.	1.4	0
94	Current Clinical Application of Intracardiac Flow Analysis Using Echocardiography. Journal of Cardiovascular Imaging, 2013, 21, 155.	0.8	36
95	Assessment of Myocardial Contractile Function Using Global and Segmental Circumferential Strain following Intracoronary Stem Cell Infusion after Myocardial Infarction: MRI Feature Tracking Feasibility Study. ISRN Radiology, 2013, 2013, 1-6.	1.2	4
96	Three-Dimensional Reconstruction of the Functional Strain-Line Pattern in the Left Ventricle From 3-Dimensional Echocardiography. Circulation: Cardiovascular Imaging, 2012, 5, 808-809.	2.6	12
97	Functional Strain-Line Pattern in the Human Left Ventricle. Physical Review Letters, 2012, 109, 048103.	7.8	30
98	Vortex Formation in the Heart. , 2012, , 45-79.		13
99	Diagnostic Vortex Imaging. , 2012, , 125-157.		0
100	Vortex Dynamics. , 2012, , 17-44.		2
101	Effect of Cardiac Devices and Surgery on Vortex Formation. , 2012, , 81-124.		1
102	Emerging Trends in CV Flow Visualization. JACC: Cardiovascular Imaging, 2012, 5, 305-316.	5.3	211
103	Vortex Formation in the Cardiovascular System. , 2012, , .		30
104	Intraventricular vortex flow changes in the infarcted left ventricle: numerical results in an idealised 3D shape. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 95-101.	1.6	36
105	Magnetic Resonance Derived Myocardial Strain Assessment Using Feature Tracking. Journal of Visualized Experiments, 2011, , .	0.3	115
106	The effect of exercise training on left ventricular function in young elite athletes. Cardiovascular Ultrasound, 2011, 9, 27.	1.6	28
107	Opening of a wall-mounted leaflet by a single flow pulse. Physical Review E, 2011, 84, 017301.	2.1	0
108	Role of inertia in the interaction between oscillatory flow and a wall-mounted leaflet. Physical Review E, 2011, 83, 016310.	2.1	3

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109	Vortex formation out of two-dimensional orifices. Journal of Fluid Mechanics, 2010, 655, 198-216.	3.4	27
110	On the Left Ventricular Vortex Reversal after Mitral Valve Replacement. Annals of Biomedical Engineering, 2010, 38, 769-773.	2.5	99
111	Left ventricular flow patterns in healthy subjects and patients with prosthetic mitral valves: An in vivo study using echocardiographic particle image velocimetry. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1501-1510.	0.8	229
112	Echocardiographic Particle Image Velocimetry: A Novel Technique for Quantification of Left Ventricular Blood Vorticity Pattern. Journal of the American Society of Echocardiography, 2010, 23, 86-94.	2.8	400
113	Speckle tracking for left ventricle performance in young athletes with bicuspid aortic valve and mild aortic regurgitation. European Journal of Echocardiography, 2009, 10, 527-531.	2.3	37
114	Real-time evaluation of longitudinal peak systolic strain (speckle tracking measurement) in left and right ventricles of athletes. Cardiovascular Ultrasound, 2009, 7, 17.	1.6	41
115	Supernormal functional reserve of apical segments in elite soccer players: an ultrasound speckle tracking handgrip stress study. Cardiovascular Ultrasound, 2008, 6, 14.	1.6	27
116	Characterization and Quantification of Vortex Flow in the Human Left Ventricle by Contrast Echocardiography Using Vector Particle Image Velocimetry. JACC: Cardiovascular Imaging, 2008, 1, 705-717.	5.3	290
117	Asymmetric Opening of a Simple Bileaflet Valve. Physical Review Letters, 2007, 98, 214503.	7.8	13
118	Combined experimental and numerical analysis of the flow structure into the left ventricle. Journal of Biomechanics, 2007, 40, 1988-1994.	2.1	72
119	Two-dimensional tracking and TDI are consistent methods for evaluating myocardial longitudinal peak strain in left and right ventricle basal segments in athletes. Cardiovascular Ultrasound, 2007, 5, 7.	1.6	37
120	Nature Optimizes the Swirling Flow in the Human Left Ventricle. Physical Review Letters, 2005, 95, 108101.	7.8	215
121	CASE REPORTS: Effect of Cardiac Resynchronization Therapy on Longitudinal and Circumferential Left Ventricular Mechanics by Velocity Vector Imaging: Description and Initial Clinical Application of a Novel Method Using High-Frame Rate B-Mode Echocardiograp. Echocardiography, 2005, 22, 826-830.	0.9	121
122	Kinematic Characterization of Valvular Opening. Physical Review Letters, 2005, 94, 194502.	7.8	12
123	Three-dimensional filling flow into a model left ventricle. Journal of Fluid Mechanics, 2005, 539, 179.	3.4	145
124	Clinical application of quantitative analysis in real-time MCE. European Journal of Echocardiography, 2004, 5, S17-S23.	2.3	19
125	Flow-tissue interaction with compliance mismatch in a model stented artery. Journal of Biomechanics, 2004, 37, 1-11.	2.1	40
126	Model and influence of mitral valve opening during the left ventricular filling. Journal of Biomechanics, 2003, 36, 355-361.	2.1	50

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127	Birth of three-dimensionality in a pulsed jet through a circular orifice. Journal of Fluid Mechanics, 2003, 493, 209-218.	3.4	22
128	In vitro assessment of a new algorithm for quantitative echo measurement of heart valve regurgitant jet. , 2003, , .		1
129	Pulsatile Flow Inside Moderately Elastic Arteries, Its Modelling and Effects of Elasticity. Computer Methods in Biomechanics and Biomedical Engineering, 2002, 5, 219-231.	1.6	10
130	Vortex dynamics in a model left ventricle during filling. European Journal of Mechanics, B/Fluids, 2002, 21, 527-543.	2.5	35
131	Fluid dynamics of the left ventricular filling in dilated cardiomyopathy. Journal of Biomechanics, 2002, 35, 665-671.	2.1	89
132	Space and time dependency of inertial and convective contribution to the transmitral pressure drop during ventricular filling. Journal of the American College of Cardiology, 2001, 38, 290-291.	2.8	12
133	Flow about a circular cylinder between parallel walls. Journal of Fluid Mechanics, 2001, 440, 1-25.	3.4	178
134	Interscale transfer in two-dimensional compact vortices. Journal of Fluid Mechanics, 2000, 406, 109-129.	3.4	4
135	Quadratic Markov modeling for intermittent turbulence. Physics of Fluids, 1999, 11, 1694-1696.	4.0	4
136	Dynamical control for capturing vortices near bluff bodies. Physical Review E, 1998, 58, 1883-1898.	2.1	12
137	Impulsively started flow separation in wavy-walled tubes. Journal of Fluid Mechanics, 1998, 359, 1-22.	3.4	3
138	Fluid flow in a tube with an elastic membrane insertion. Journal of Fluid Mechanics, 1998, 375, 39-64.	3.4	26
139	Impulsive and pressure-driven transient flows in closed ducts. Physics of Fluids, 1997, 9, 3575-3577.	4.0	2
140	Unsteady tube flow over an expansion. Journal of Fluid Mechanics, 1996, 310, 89-111.	3.4	45
141	Self-similarity and probability distributions of turbulent intermittency. Physical Review E, 1996, 53, 475-484.	2.1	33
142	Controlled capture of a continuous vorticity distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 204, 108-114.	2.1	8
143	On Markov modelling of turbulence. Journal of Fluid Mechanics, 1994, 280, 69-93.	3.4	55
144	Chaotic capture of vortices by a moving body. II. Bound pair model. Chaos, 1994, 4, 681-691.	2.5	6

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145	Chaotic trapping phenomena in extended systems. Physical Review E, 1993, 48, 3299-3308.	2.1	4
146	Close interaction between a vortex filament and a rigid sphere. Journal of Fluid Mechanics, 1992, 245, 701.	3.4	21
147	Insight into singular vortex flows. Fluid Dynamics Research, 1992, 10, 101-115.	1.3	22
148	Space temporal maps for vortical flow field construction. Meccanica, 1991, 26, 33-36.	2.0	1
149	Abnormal Diastolic Hemodynamic Forces: A Link Between Right Ventricular Wall Motion, Intracardiac Flow, and Pulmonary Regurgitation in Repaired Tetralogy of Fallot. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	4