

# Andrea Prosperetti

## List of Publications by Year in descending order

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285  
papers

16,521  
citations

15466

65  
h-index

18606

119  
g-index

322  
all docs

322  
docs citations

322  
times ranked

7339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dripping instability of a two-dimensional liquid film under an inclined plate. <i>Journal of Fluid Mechanics</i> , 2022, 932, .	1.4	5
2	How ambient conditions affect the Leidenfrost temperature. <i>Soft Matter</i> , 2021, 17, 3207-3215.	1.2	14
3	Dynamics, heat and mass transfer of a plasmonic bubble on a solid surface. <i>International Journal of Heat and Mass Transfer</i> , 2021, 167, 120814.	2.5	4
4	Marangoni Instability of a Drop in a Stably Stratified Liquid. <i>Physical Review Letters</i> , 2021, 126, 124502.	2.9	19
5	Faster Taylor bubbles. <i>Journal of Fluid Mechanics</i> , 2021, 920, .	1.4	4
6	Linear theory of particulate Rayleigh-Bénard instability. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	0
7	A New Fundamental Understanding of Gas in the Drilling Riser. , 2021, , .		2
8	Crown formation from a cavitating bubble close to a free surface. <i>Journal of Fluid Mechanics</i> , 2021, 926, .	1.4	27
9	Small Scale Physical and Bio-Chemical Processes Affecting the Transport of Oil after a Spill. <i>International Oil Spill Conference Proceedings</i> , 2021, 2021, .	0.1	0
10	Lamb's solution and the stress moments for a sphere in Stokes flow. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 79, 270-282.	1.2	6
11	Modelling large scale airgun-bubble dynamics with highly non-spherical features. <i>International Journal of Multiphase Flow</i> , 2020, 122, 103143.	1.6	43
12	A numerical study of mass transfer from laminar liquid films. <i>Journal of Fluid Mechanics</i> , 2020, 902, .	1.4	7
13	Plasmonic Microbubble Dynamics in Binary Liquids. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8631-8637.	2.1	10
14	Modelling the thermal behaviour of gas bubbles. <i>Journal of Fluid Mechanics</i> , 2020, 901, .	1.4	20
15	Dynamics of a toroidal bubble on a cylinder surface with an application to geophysical exploration. <i>International Journal of Multiphase Flow</i> , 2020, 129, 103335.	1.6	11
16	Laminar flow past an infinite planar array of fixed particles: point-particle approximation, Oseen equations and resolved simulations. <i>Journal of Engineering Mathematics</i> , 2020, 122, 139-157.	0.6	1
17	Gas-Vapor Interplay in Plasmonic Bubble Shrinkage. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5861-5869.	1.5	22
18	Capillary waves on a falling film. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	6

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19	Inertial effects in shear flow of a fluid-particle mixture: Resolved simulations. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	4
20	Transition to convection in single bubble diffusive growth. <i>Journal of Fluid Mechanics</i> , 2019, 871, 332-349.	1.4	10
21	Bouncing Oil Droplet in a Stratified Liquid and its Sudden Death. <i>Physical Review Letters</i> , 2019, 122, 154502.	2.9	40
22	Resolved simulations of sedimenting suspensions of spheres. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	17
23	Rotational dynamics of a particle in a turbulent stream. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	2
24	Violent expansion of a rising Taylor bubble. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	8
25	Multiphase buoyant plumes with soluble drops or bubbles. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	4
26	Differential formulation of the viscous history force on a particle for efficient and accurate computation. <i>Journal of Fluid Mechanics</i> , 2018, 844, 970-993.	1.4	14
27	Dynamics of Formation of a Vapor Nanobubble Around a Heated Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20571-20580.	1.5	28
28	Heat transfer from an array of resolved particles in turbulent flow. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	2
29	Fully-resolved simulation of particulate flows with particles fluid heat transfer. <i>Journal of Computational Physics</i> , 2017, 350, 638-656.	1.9	11
30	Gas depletion through single gas bubble diffusive growth and its effect on subsequent bubbles. <i>Journal of Fluid Mechanics</i> , 2017, 831, 474-490.	1.4	21
31	Molecular dynamics study of multicomponent droplet dissolution in a sparingly miscible liquid. <i>Journal of Fluid Mechanics</i> , 2017, 833, 54-69.	1.4	8
32	Vapor Bubbles. <i>Annual Review of Fluid Mechanics</i> , 2017, 49, 221-248.	10.8	185
33	Mechanics of gas-vapor bubbles. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	18
34	Bubble plumes in a stratified environment: Source parameters, scaling, intrusion height, and neutral height. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	9
35	Continuity waves in resolved-particle simulations of fluidized beds. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	10
36	Dissolution and growth of a multicomponent drop in an immiscible liquid. <i>Journal of Fluid Mechanics</i> , 2016, 798, 787-811.	1.4	27

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37	Homogeneous nucleation: Patching the way from the macroscopic to the nanoscopic description. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13549-13550.	3.3	12
38	Dynamic Leidenfrost Effect: Relevant Time and Length Scales. Physical Review Letters, 2016, 116, 064501.	2.9	150
39	Resolved-particle simulation by the Physalis method: Enhancements and new capabilities. Journal of Computational Physics, 2016, 309, 164-184.	1.9	31
40	Vapour cooling of poorly conducting hot substrates increases the dynamic Leidenfrost temperature. International Journal of Heat and Mass Transfer, 2016, 97, 101-109.	2.5	70
41	Reduced cellular immune response in social insect lineages. Biology Letters, 2016, 12, 20150984.	1.0	39
42	On flux terms in volume averaging. International Journal of Multiphase Flow, 2016, 80, 176-180.	1.6	4
43	History effects on the gas exchange between a bubble and a liquid. Physical Review Fluids, 2016, 1, .	1.0	8
44	Local interfacial stability near a zero vorticity point. Journal of Fluid Mechanics, 2015, 776, 5-36.	1.4	26
45	Life and death by boundary conditions. Journal of Fluid Mechanics, 2015, 768, 1-4.	1.4	33
46	The speed of sound in a gas-vapour bubbly liquid. Interface Focus, 2015, 5, 20150024.	1.5	46
47	Tribonucleation of bubbles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10089-10094.	3.3	6
48	The Leidenfrost temperature increase for impacting droplets on carbon-nanofiber surfaces. Soft Matter, 2014, 10, 2102-2109.	1.2	78
49	On skirted drops in an immiscible liquid. Chemical Engineering Science, 2014, 108, 213-222.	1.9	8
50	Multiphase Rayleigh-Bénard convection. Mechanical Engineering Reviews, 2014, 1, FE0003-FE0003.	4.7	3
51	The quasi-static growth of CO <sub>2</sub> bubbles. Journal of Fluid Mechanics, 2014, 741, .	1.4	60
52	Dynamics of cavitation clouds within a high-intensity focused ultrasonic beam. Physics of Fluids, 2013, 25, .	1.6	16
53	Highly focused supersonic microjets: numerical simulations. Journal of Fluid Mechanics, 2013, 719, 587-605.	1.4	62
54	Ultrasound artificially nucleated bubbles and their sonochemical radical production. Ultrasonics Sonochemistry, 2013, 20, 510-524.	3.8	51

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55	Drop Fragmentation at Impact onto a Bath of an Immiscible Liquid. <i>Physical Review Letters</i> , 2013, 110, 264503.	2.9	64
56	Droplet impact on superheated micro-structured surfaces. <i>Soft Matter</i> , 2013, 9, 3272.	1.2	216
57	Improved procedure for the computation of Lamb $\epsilon$ 's coefficients in the physalis method for particle simulation. <i>Journal of Computational Physics</i> , 2013, 234, 44-59.	1.9	10
58	A general derivation of the subharmonic threshold for non-linear bubble oscillations. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 3719-3726.	0.5	34
59	Heat transport in bubbling turbulent convection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9237-9242.	3.3	53
60	Response to "Comment on "The effect of rotation on the Rayleigh-B $\epsilon$ nard stability threshold" [Phys. Fluids 25, 059101 (2013)]. <i>Physics of Fluids</i> , 2013, 25, 059102.	1.8	0
61	Growing bubbles in a slightly supersaturated liquid solution. <i>Review of Scientific Instruments</i> , 2013, 84, 065111.	0.6	52
62	Effects of particle settling on Rayleigh-B $\epsilon$ nard convection. <i>Physical Review E</i> , 2013, 87, 063014.	0.8	20
63	A fully resolved numerical simulation of turbulent flow past one or several spherical particles. <i>Physics of Fluids</i> , 2012, 24, 013303.	1.6	32
64	The effect of rotation on the Rayleigh-B $\epsilon$ nard stability threshold. <i>Physics of Fluids</i> , 2012, 24, .	1.6	7
65	Oscillations of a gas pocket on a liquid-covered solid surface. <i>Physics of Fluids</i> , 2012, 24, .	1.6	18
66	Highly Focused Supersonic Microjets. <i>Physical Review X</i> , 2012, 2, .	2.8	51
67	Generation and Transport of Bubbles in Intense Ultrasonic Fields. , 2012, , .		1
68	Spatial distribution of heat flux and fluctuations in turbulent Rayleigh-B $\epsilon$ nard convection. <i>Physical Review E</i> , 2012, 86, 056315.	0.8	20
69	Drop Impact on Superheated Surfaces. <i>Physical Review Letters</i> , 2012, 108, 036101.	2.9	378
70	Linear oscillations of constrained drops, bubbles, and plane liquid surfaces. <i>Physics of Fluids</i> , 2012, 24, .	1.6	45
71	A level set method for vapor bubble dynamics. <i>Journal of Computational Physics</i> , 2012, 231, 1533-1552.	1.9	29
72	Dynamics of a Disturbed Sessile Drop Measured by Atomic Force Microscopy (AFM). <i>Langmuir</i> , 2011, 27, 11966-11972.	1.6	23

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73	Pressure-driven flow in a channel with porous walls. <i>Journal of Fluid Mechanics</i> , 2011, 679, 77-100.	1.4	49
74	Modification of turbulence in Rayleigh-Bénard convection by phase change. <i>New Journal of Physics</i> , 2011, 13, 025002.	1.2	14
75	Effect of vapor bubbles on velocity fluctuations and dissipation rates in bubbly Rayleigh-Bénard convection. <i>Physical Review E</i> , 2011, 84, 036312.	0.8	18
76	Validation of an approximate model for the thermal behavior in acoustically driven bubbles. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3243-3251.	0.5	49
77	A simple analytic approximation to the Rayleigh-Bénard stability threshold. <i>Physics of Fluids</i> , 2011, 23, 124101.	1.6	7
78	Wall effects on a rotating sphere. <i>Journal of Fluid Mechanics</i> , 2010, 657, 1-21.	1.4	92
79	Enhancement of channel wall vibration due to acoustic excitation of an internal bubbly flow. <i>Journal of Fluids and Structures</i> , 2010, 26, 994-1017.	1.5	13
80	Efficient Sonochemistry through Microbubbles Generated with Micromachined Surfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9699-9701.	7.2	67
81	The interaction between a solid particle and a turbulent flow. <i>New Journal of Physics</i> , 2010, 12, 033040.	1.2	71
82	Physics-based analysis of the hydrodynamic stress in a fluid-particle system. <i>Physics of Fluids</i> , 2010, 22, 033306.	1.6	25
83	Drag and lift forces on particles in a rotating flow. <i>Journal of Fluid Mechanics</i> , 2010, 643, 1-31.	1.4	36
84	History force on coated microbubbles propelled by ultrasound. <i>Physics of Fluids</i> , 2009, 21, .	1.6	53
85	Nucleation threshold and deactivation mechanisms of nanoscopic cavitation nuclei. <i>Physics of Fluids</i> , 2009, 21, .	1.6	130
86	Pressure-driven flow in a two-dimensional channel with porous walls. <i>Journal of Fluid Mechanics</i> , 2009, 631, 1-21.	1.4	33
87	A Numerical Study of Taylor Bubbles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 242-252.	1.8	46
88	Growth and collapse of a vapour bubble in a microtube: the role of thermal effects. <i>Journal of Fluid Mechanics</i> , 2009, 632, 5-16.	1.4	53
89	Heat transfer mechanisms in bubbly Rayleigh-Bénard convection. <i>Physical Review E</i> , 2009, 80, 026304.	0.8	36
90	Electrolytically Generated Nanobubbles on Highly Orientated Pyrolytic Graphite Surfaces. <i>Langmuir</i> , 2009, 25, 1466-1474.	1.6	116

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91	10.1063/1.3227903.1., 2009, , .		2
92	Heat transfer mechanisms in bubbly Rayleigh-Bénard convection. Springer Proceedings in Physics, 2009, , 355-357.	0.1	0
93	Turbulence modification in the vicinity of a solid particle. Springer Proceedings in Physics, 2009, , 509-512.	0.1	0
94	A sphere in a uniformly rotating or shearing flow. Journal of Fluid Mechanics, 2008, 600, 201-233.	1.4	40
95	Vapour bubble collapse in isothermal and non-isothermal liquids. Journal of Fluid Mechanics, 2008, 601, 253-279.	1.4	32
96	Effect of Internal Bubbly Flow on Channel Vibration: Comparison Between Experiment and Model. , 2008, , .		0
97	A note on the effective slip properties for microchannel flows with ultrahydrophobic surfaces. Physics of Fluids, 2007, 19, 043603.	1.6	183
98	Role of Air in Granular Jet Formation. Physical Review Letters, 2007, 99, 018001.	2.9	49
99	Introduction: A computational approach to multiphase flow. , 2007, , 1-18.		3
100	Averaged equations for multiphase flow. , 2007, , 237-281.		3
101	Linear stability of the flow past a spheroidal bubble. Journal of Fluid Mechanics, 2007, 582, 53-78.	1.4	45
102	Effective velocity boundary condition at a mixed slip surface. Journal of Fluid Mechanics, 2007, 578, 435-451.	1.4	68
103	Drag and lift forces on bubbles in a rotating flow. Journal of Fluid Mechanics, 2007, 571, 439-454.	1.4	63
104	Giant Bubble Pinch-Off. Physical Review Letters, 2006, 96, 154505.	2.9	103
105	Axial stability of Taylor bubbles. Journal of Fluid Mechanics, 2006, 568, 173.	1.4	24
106	The stress system in a suspension of heavy particles: antisymmetric contribution. Journal of Fluid Mechanics, 2006, 554, 125.	1.4	3
107	On the computation of ensemble averages for spatially non-uniform particle systems. Journal of Computational Physics, 2006, 212, 247-267.	1.9	2
108	A second-order boundary-fitted projection method for free-surface flow computations. Journal of Computational Physics, 2006, 213, 574-590.	1.9	27

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109	Entrapped air bubbles in piezo-driven inkjet printing: Their effect on the droplet velocity. <i>Physics of Fluids</i> , 2006, 18, 121511.	1.6	51
110	The "acoustic scallop"™: a bubble-powered actuator. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 1653-1659.	1.5	82
111	Microstructural Effects in a Fully-Resolved Simulation of 1,024 Sedimenting Spheres. , 2006, , 197-206.		2
112	A second-order method for three-dimensional particle simulation. <i>Journal of Computational Physics</i> , 2005, 210, 292-324.	1.9	132
113	Report on a symposium on "Computational approaches to disperse multiphase flow". <i>International Journal of Multiphase Flow</i> , 2005, 31, 1337-1341.	1.6	0
114	Viscous forces on acoustically levitated gas bubbles. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2005, 63, e1517-e1527.	0.6	1
115	Asymmetry-induced particle drift in a rotating flow. <i>Physics of Fluids</i> , 2005, 17, 072106.	1.6	10
116	"Blinking bubble"™ micropump with microfabricated heaters. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 1683-1691.	1.5	38
117	A microfluidic "blinking bubble"™ pump. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 643-651.	1.5	52
118	10.1063/1.1978921.1., 2005, , .		0
119	Bubbles. <i>Physics of Fluids</i> , 2004, 16, 1852-1865.	1.6	118
120	Average stress in a Stokes suspension of disks. <i>International Journal of Multiphase Flow</i> , 2004, 30, 1-26.	1.6	2
121	Mechanism of mass-transfer enhancement in textiles by ultrasound. <i>AIChE Journal</i> , 2004, 50, 58-64.	1.8	67
122	The average stress in incompressible disperse flow. <i>International Journal of Multiphase Flow</i> , 2004, 30, 1011-1036.	1.6	11
123	Bubble growth on an impulsively powered microheater. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 1053-1067.	2.5	52
124	A numerical method for three-dimensional gas-liquid flow computations. <i>Journal of Computational Physics</i> , 2004, 196, 126-144.	1.9	46
125	Faxén-like relations for a nonuniform suspension. <i>Physics of Fluids</i> , 2004, 16, 2483-2496.	1.6	7
126	Dynamic Simulation of the Acoustic Characteristics of Bubble Clouds (2nd Report, On Validity of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Society of Mechanical Engineers Series B B-hen, 2004, 70, 636-643.	0.2	0

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127	PHYSALIS: a new method for particle simulation. Journal of Computational Physics, 2003, 187, 371-390.	1.9	62
128	Workshop Findings. International Journal of Multiphase Flow, 2003, 29, 1047-1059.	1.6	14
129	Appendix 3: Report of study group on computational physics. International Journal of Multiphase Flow, 2003, 29, 1089-1099.	1.6	10
130	The added mass of an expanding bubble With an Appendix by A. Prosperetti, C. D. Ohl, A. Tjink, G. Mouglin J. Magnaudet.. Journal of Fluid Mechanics, 2003, 482, 271-290.	1.4	61
131	The transient rise of a bubble subject to shape or volume changes. Physics of Fluids, 2003, 15, 2640-2648.	1.6	35
132	Nonlinear wave interactions in bubble layers. Journal of the Acoustical Society of America, 2003, 113, 1304-1316.	0.5	55
133	Harmonic enhancement of single-bubble sonoluminescence. Physical Review E, 2003, 67, 056310.	0.8	37
134	Controlling bubbles. Journal of Physics Condensed Matter, 2003, 15, S415-S420.	0.7	11
135	A Method for Particle Simulation. Journal of Applied Mechanics, Transactions ASME, 2003, 70, 64-74.	1.1	48
136	Transient impact of a liquid column on a miscible liquid surface. Physics of Fluids, 2003, 15, 821-824.	1.6	24
137	Rectified heat transfer into translating and pulsating vapor bubbles. Journal of the Acoustical Society of America, 2002, 112, 1787-1796.	0.5	16
138	Drop-Liquid Impact Phenomena. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2002, , 25-37.	0.3	1
139	A nonlinear model of thermoacoustic devices. Journal of the Acoustical Society of America, 2002, 112, 1431-1444.	0.5	41
140	Vapor Bubbles in Flow and Acoustic Fields. Annals of the New York Academy of Sciences, 2002, 974, 328-347.	1.8	9
141	Navier-Stokes Numerical Algorithms for Free-Surface Flow Computations: An Overview. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2002, , 237-257.	0.3	31
142	Boundary Integral Methods. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2002, , 219-235.	0.3	3
143	Comments on "Radial pulsations of a fluid sphere in a sound wave" by S. Temkin. Journal of Fluid Mechanics, 2001, 430, 401-405.	1.4	1
144	The action of pressure-radiation forces on pulsating vapor bubbles. Physics of Fluids, 2001, 13, 1167-1177.	1.6	20

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145	Flow of spatially non-uniform suspensions. International Journal of Multiphase Flow, 2001, 27, 237-276.	1.6	19
146	Flow of spatially non-uniform suspensions. Part III: Closure relations for porous media and spinning particles. International Journal of Multiphase Flow, 2001, 27, 1627-1653.	1.6	15
147	Physalis: A New $o(N)$ Method for the Numerical Simulation of Disperse Systems: Potential Flow of Spheres. Journal of Computational Physics, 2001, 167, 196-216.	1.9	52
148	Average pressure and velocity fields in non-uniform suspensions of spheres in Stokes flow. Journal of Engineering Mathematics, 2001, 41, 275-303.	0.6	8
149	Bubble-based micropump for electrically conducting liquids. Journal of Micromechanics and Microengineering, 2001, 11, 270-276.	1.5	100
150	Spiraling Bubbles: How Acoustic and Hydrodynamic Forces Compete. Physical Review Letters, 2001, 86, 4819-4822.	2.9	32
151	Vapor Bubbles in Flow and Acoustic Fields. Fluid Mechanics and Its Applications, 2001, , 249-256.	0.1	0
152	Fundamental Acoustic Properties of Bubbly Liquids. , 2001, , 183-205.		2
153	Mechanism of air entrainment by a disturbed liquid jet. Physics of Fluids, 2000, 12, 1710-1714.	1.6	34
154	The collapse of vapor bubbles in a spatially non-uniform flow. International Journal of Heat and Mass Transfer, 2000, 43, 3539-3550.	2.5	30
155	Flow of spatially non-uniform suspensions.. International Journal of Multiphase Flow, 2000, 26, 783-831.	1.6	26
156	On the mechanism of air entrainment by liquid jets at a free surface. Journal of Fluid Mechanics, 2000, 404, 151-177.	1.4	104
157	Nonlinear saturation of the thermoacoustic instability. Journal of the Acoustical Society of America, 2000, 107, 3130-3147.	0.5	35
158	Growth and collapse of a vapor bubble in a narrow tube. Physics of Fluids, 2000, 12, 1268-1277.	1.6	95
159	The pumping effect of growing and collapsing bubbles in a tube. Journal of Micromechanics and Microengineering, 1999, 9, 402-413.	1.5	69
160	The oscillation of gas bubbles in tubes: Experimental results. Journal of the Acoustical Society of America, 1999, 106, 674-681.	0.5	20
161	The underwater sounds produced by impacting snowflakes. Journal of the Acoustical Society of America, 1999, 106, 1765-1770.	0.5	8
162	Mixture pressure and stress in disperse two-phase flow. International Journal of Multiphase Flow, 1999, 25, 1395-1429.	1.6	29

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163	Growth and collapse of a vapor bubble in a small tube. International Journal of Heat and Mass Transfer, 1999, 42, 3643-3657.	2.5	59
164	A Shape Decomposition Technique in Electrical Impedance Tomography. Journal of Computational Physics, 1999, 155, 75-95.	1.9	44
165	Closure of disperse-flow averaged equations models by direct numerical simulation. , 1999, , .		0
166	Heat conduction in a non-uniform composite with spherical inclusions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 1483-1508.	1.0	6
167	The dynamics of vapor bubbles in acoustic pressure fields. Physics of Fluids, 1999, 11, 2008-2019.	1.6	126
168	The effect of viscosity on the spherical stability of oscillating gas bubbles. Physics of Fluids, 1999, 11, 1309-1317.	1.6	104
169	Modelling of spherical gas bubble oscillations and sonoluminescence. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 203-223.	1.6	84
170	Some Considerations on the Modeling of Disperse Multiphase Flows by Averaged Equations.. JSME International Journal Series B, 1999, 42, 573-585.	0.3	9
171	Old-Fashioned Bubble Dynamics. , 1999, , 39-62.		10
172	The natural frequency of oscillation of gas bubbles in tubes. Journal of the Acoustical Society of America, 1998, 103, 3301-3308.	0.5	107
173	Linear thermoacoustic instability in the time domain. Journal of the Acoustical Society of America, 1998, 103, 3309-3317.	0.5	10
174	Thermal processes in the oscillations of gas bubbles in tubes. Journal of the Acoustical Society of America, 1998, 104, 1389-1398.	0.5	26
175	Ensemble Averaging Techniques for Disperse Flows. The IMA Volumes in Mathematics and Its Applications, 1998, , 99-136.	0.5	14
176	A Brief Summary of L. van Wijngaarden's Work Up Till His Retirement. Fluid Mechanics and Its Applications, 1998, , 13-32.	0.1	0
177	Air entrainment upon liquid impact. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 491-506.	1.6	22
178	Gas-liquid heat transfer in a bubble collapsing near a wall. Physics of Fluids, 1997, 9, 127-142.	1.6	31
179	A simplified model for linear and nonlinear processes in thermoacoustic prime movers. Part I. Model and linear theory. Journal of the Acoustical Society of America, 1997, 102, 3484-3496.	0.5	39
180	A simplified model for linear and nonlinear processes in thermoacoustic prime movers. Part II. Nonlinear oscillations. Journal of the Acoustical Society of America, 1997, 102, 3497-3506.	0.5	40

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181	A new mechanism for sonoluminescence. Journal of the Acoustical Society of America, 1997, 101, 2003-2007.	0.5	85
182	Fluid Mechanics. By Sir James Lighthill. In Twentieth Century Physics, Vol. II, Chap. 10, pp. 795-912. Edited by L. M. Brown, A. Pais & Sir Brian Pippard. Institute of Physics and American Institute of Physics, 1995.. Journal of Fluid Mechanics, 1997, 350, 375-378.	1.4	2
183	A Brief Summary of L. van Wijngaarden's Work Up Till His Retirement. Flow, Turbulence and Combustion, 1997, 58, 13-32.	0.2	2
184	Momentum and energy equations for disperse two-phase flows and their closure for dilute suspensions. International Journal of Multiphase Flow, 1997, 23, 425-453.	1.6	150
185	Effective boundary conditions for Stokes flow over a rough surface. Journal of Fluid Mechanics, 1996, 316, 223-240.	1.4	49
186	DISPERSE PHASE STRESS IN TWO-PHASE FLOW. Chemical Engineering Communications, 1996, 141-142, 387-398.	1.5	11
187	Low-frequency acoustic wave generation in a resonant bubble layer. Journal of the Acoustical Society of America, 1996, 100, 3570-3580.	0.5	26
188	Difference frequency generation due to collective resonant oscillations of a bubble cloud. Journal of the Acoustical Society of America, 1996, 100, 2807-2807.	0.5	0
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