

# Andrea Prosperetti

## List of Publications by Citations

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278  
papers

13,475  
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60  
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107  
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322  
ext. papers

14,882  
ext. citations

3.7  
avg, IF

6.74  
L-index

#	Paper	IF	Citations
278	Bubble Dynamics and Cavitation. <i>Annual Review of Fluid Mechanics</i> , <b>1977</b> , 9, 145-185	2.2	1286
277	Linear pressure waves in bubbly liquids: Comparison between theory and experiments. <i>Journal of the Acoustical Society of America</i> , <b>1989</b> , 85, 732-746	2.2	510
276	Bubble dynamics in a compressible liquid. Part 1. First-order theory. <i>Journal of Fluid Mechanics</i> , <b>1986</b> , 168, 457	3.7	464
275	Dynamics of bubble growth and detachment from a needle. <i>Journal of Fluid Mechanics</i> , <b>1993</b> , 257, 111	3.7	355
274	Thermal effects and damping mechanisms in the forced radial oscillations of gas bubbles in liquids. <i>Journal of the Acoustical Society of America</i> , <b>1977</b> , 61, 17-27	2.2	337
273	Nonlinear bubble dynamics. <i>Journal of the Acoustical Society of America</i> , <b>1988</b> , 83, 502-514	2.2	331
272	Drop impact on superheated surfaces. <i>Physical Review Letters</i> , <b>2012</b> , 108, 036101	7.4	293
271	Bubble entrainment by the impact of drops on liquid surfaces. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 219, 143	3.7	244
270	The thermal behaviour of oscillating gas bubbles. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 222, 587	3.7	221
269	Averaged equations for inviscid disperse two-phase flow. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 267, 185-219	3.7	218
268	The Impact of Drops on Liquid Surfaces and the Underwater Noise of Rain. <i>Annual Review of Fluid Mechanics</i> , <b>1993</b> , 25, 577-602	2.2	211
267	A theoretical study of sonoluminescence. <i>Journal of the Acoustical Society of America</i> , <b>1993</b> , 94, 248-260	2.2	205
266	The crevice model of bubble nucleation. <i>Journal of the Acoustical Society of America</i> , <b>1989</b> , 86, 1065-1084	2.2	205
265	Free oscillations of drops and bubbles: the initial-value problem. <i>Journal of Fluid Mechanics</i> , <b>1980</b> , 100, 333	3.7	177
264	Viscous effects on perturbed spherical flows. <i>Quarterly of Applied Mathematics</i> , <b>1977</b> , 34, 339-352	0.7	172
263	Droplet impact on superheated micro-structured surfaces. <i>Soft Matter</i> , <b>2013</b> , 9, 3272	3.6	166
262	A note on the effective slip properties for microchannel flows with ultrahydrophobic surfaces. <i>Physics of Fluids</i> , <b>2007</b> , 19, 043603	4.4	154

261	Vapour-bubble growth in a superheated liquid. <i>Journal of Fluid Mechanics</i> , <b>1978</b> , 85, 349	3.7	150
260	Bubble phenomena in sound fields: part one. <i>Ultrasonics</i> , <b>1984</b> , 22, 69-77	3.5	140
259	Momentum and energy equations for disperse two-phase flows and their closure for dilute suspensions. <i>International Journal of Multiphase Flow</i> , <b>1997</b> , 23, 425-453	3.6	128
258	Vapor Bubbles. <i>Annual Review of Fluid Mechanics</i> , <b>2017</b> , 49, 221-248	2.2	127
257	Ensemble phase-averaged equations for bubbly flows. <i>Physics of Fluids</i> , <b>1994</b> , 6, 2956-2970	4.4	123
256	Bubble dynamics in a compressible liquid. Part 2. Second-order theory. <i>Journal of Fluid Mechanics</i> , <b>1987</b> , 185, 289-321	3.7	123
255	A second-order method for three-dimensional particle simulation. <i>Journal of Computational Physics</i> , <b>2005</b> , 210, 292-324	4.1	119
254	Motion of two superposed viscous fluids. <i>Physics of Fluids</i> , <b>1981</b> , 24, 1217		114
253	Nonlinear oscillations of gas bubbles in liquids: steady-state solutions. <i>Journal of the Acoustical Society of America</i> , <b>1974</b> , 56, 878-885	2.2	110
252	Dynamic Leidenfrost Effect: Relevant Time and Length Scales. <i>Physical Review Letters</i> , <b>2016</b> , 116, 064501	7.4	109
251	Nucleation threshold and deactivation mechanisms of nanoscopic cavitation nuclei. <i>Physics of Fluids</i> , <b>2009</b> , 21, 102003	4.4	108
250	Bubbles. <i>Physics of Fluids</i> , <b>2004</b> , 16, 1852-1865	4.4	104
249	The dynamics of vapor bubbles in acoustic pressure fields. <i>Physics of Fluids</i> , <b>1999</b> , 11, 2008-2019	4.4	104
248	Electrolytically generated nanobubbles on highly orientated pyrolytic graphite surfaces. <i>Langmuir</i> , <b>2009</b> , 25, 1466-74	4	100
247	Giant bubble pinch-off. <i>Physical Review Letters</i> , <b>2006</b> , 96, 154505	7.4	95
246	Bubble-related ambient noise in the ocean. <i>Journal of the Acoustical Society of America</i> , <b>1988</b> , 84, 1042-1054		95
245	Numerical integration methods in gas-bubble dynamics. <i>Journal of the Acoustical Society of America</i> , <b>1989</b> , 85, 1538-1548	2.2	93
244	Bubble phenomena in sound fields: part two. <i>Ultrasonics</i> , <b>1984</b> , 22, 115-124	3.5	91

243	On the in-line motion of two spherical bubbles in a viscous fluid. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 278, 325-349	3.7	89
242	Surface-tension effects in the contact of liquid surfaces. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 203, 149-171	3.7	89
241	On the mechanism of air entrainment by liquid jets at a free surface. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 404, 151-177	3.7	87
240	Shock waves in dilute bubbly liquids. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 274, 349-381	3.7	87
239	Bubble-based micropump for electrically conducting liquids. <i>Journal of Micromechanics and Microengineering</i> , <b>2001</b> , 11, 270-276	2	86
238	The effect of viscosity on the spherical stability of oscillating gas bubbles. <i>Physics of Fluids</i> , <b>1999</b> , 11, 1309-1317	4.4	86
237	A generalization of the impulse and virial theorems with an application to bubble oscillations. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 218, 143	3.7	78
236	Nonlinear oscillations of gas bubbles in liquids. Transient solutions and the connection between subharmonic signal and cavitation. <i>Journal of the Acoustical Society of America</i> , <b>1975</b> , 57, 810-821	2.2	78
235	The natural frequency of oscillation of gas bubbles in tubes. <i>Journal of the Acoustical Society of America</i> , <b>1998</b> , 103, 3301-3308	2.2	77
234	An investigation of the collective oscillations of a bubble cloud. <i>Journal of the Acoustical Society of America</i> , <b>1991</b> , 89, 700-706	2.2	77
233	A new mechanism for sonoluminescence. <i>Journal of the Acoustical Society of America</i> , <b>1997</b> , 101, 2003-2007	2.2	76
232	Growth and collapse of a vapor bubble in a narrow tube. <i>Physics of Fluids</i> , <b>2000</b> , 12, 1268-1277	4.4	75
231	The stability of an evaporating liquid surface. <i>Physics of Fluids</i> , <b>1984</b> , 27, 1590		74
230	A generalization of the Rayleigh-Plesset equation of bubble dynamics. <i>Physics of Fluids</i> , <b>1982</b> , 25, 409		74
229	Modelling of spherical gas bubble oscillations and sonoluminescence. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1999</b> , 357, 203-223	3	72
228	The added mass, Basset, and viscous drag coefficients in nondilute bubbly liquids undergoing small-amplitude oscillatory motion. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1991</b> , 3, 2955-2970		71
227	Wall effects on a rotating sphere. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 657, 1-21	3.7	70
226	The equation of bubble dynamics in a compressible liquid. <i>Physics of Fluids</i> , <b>1987</b> , 30, 3626		66

225	The interaction between a solid particle and a turbulent flow. <i>New Journal of Physics</i> , <b>2010</b> , 12, 033040	2.9	64
224	The Leidenfrost temperature increase for impacting droplets on carbon-nanofiber surfaces. <i>Soft Matter</i> , <b>2014</b> , 10, 2102-9	3.6	63
223	The acoustic scallop: a bubble-powered actuator. <i>Journal of Micromechanics and Microengineering</i> , <b>2006</b> , 16, 1653-1659	2	63
222	Effective velocity boundary condition at a mixed slip surface. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 578, 435-451	3.7	61
221	Mechanism of mass-transfer enhancement in textiles by ultrasound. <i>AIChE Journal</i> , <b>2004</b> , 50, 58-64	3.6	61
220	The underwater noise of rain. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 3255		61
219	Pressure forces in disperse two-phase flow. <i>International Journal of Multiphase Flow</i> , <b>1984</b> , 10, 425-440	3.6	60
218	Efficient sonochemistry through microbubbles generated with micromachined surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9699-701	16.4	59
217	Nonlinear oscillations of gas bubbles in liquids: An interpretation of some experimental results. <i>Journal of the Acoustical Society of America</i> , <b>1983</b> , 73, 121-127	2.2	57
216	On the suitability of first-order differential models for two-phase flow prediction. <i>International Journal of Multiphase Flow</i> , <b>1985</b> , 11, 133-148	3.6	55
215	Vapour cooling of poorly conducting hot substrates increases the dynamic Leidenfrost temperature. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 97, 101-109	4.9	54
214	PHYSALIS: a new method for particle simulation. <i>Journal of Computational Physics</i> , <b>2003</b> , 187, 371-390	4.1	54
213	The pumping effect of growing and collapsing bubbles in a tube. <i>Journal of Micromechanics and Microengineering</i> , <b>1999</b> , 9, 402-413	2	54
212	Drag and lift forces on bubbles in a rotating flow. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 571, 439-454	3.7	52
211	The added mass of an expanding bubble. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 482, 271-290	3.7	50
210	Air entrapment by a falling water mass. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 294, 181-207	3.7	50
209	Physalis: A New $O(N)$ Method for the Numerical Simulation of Disperse Systems: Potential Flow of Spheres. <i>Journal of Computational Physics</i> , <b>2001</b> , 167, 196-216	4.1	49
208	Sound emissions by a laboratory bubble cloud. <i>Journal of the Acoustical Society of America</i> , <b>1994</b> , 95, 3171-3182	2.2	49

207	Highly focused supersonic microjets: numerical simulations. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 719, 587-605	48
206	. <i>IEEE Journal of Oceanic Engineering</i> , <b>1990</b> , 15, 275-281	3.3 48
205	The quasi-static growth of CO2 bubbles. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 741,	3.7 47
204	Ultrasound artificially nucleated bubbles and their sonochemical radical production. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 510-24	8.9 47
203	Flow of vapour in a liquid enclosure. <i>Journal of Fluid Mechanics</i> , <b>1976</b> , 78, 433-444	3.7 47
202	Growth and collapse of a vapor bubble in a small tube. <i>International Journal of Heat and Mass Transfer</i> , <b>1999</b> , 42, 3643-3657	4.9 46
201	Application of the subharmonic threshold to the measurement of the damping of oscillating gas bubbles. <i>Journal of the Acoustical Society of America</i> , <b>1977</b> , 61, 11-16	2.2 46
200	History force on coated microbubbles propelled by ultrasound. <i>Physics of Fluids</i> , <b>2009</b> , 21, 092003	4.4 45
199	Role of air in granular jet formation. <i>Physical Review Letters</i> , <b>2007</b> , 99, 018001	7.4 45
198	Bubble growth on an impulsively powered microheater. <i>International Journal of Heat and Mass Transfer</i> , <b>2004</b> , 47, 1053-1067	4.9 45
197	Nonlinear wave interactions in bubble layers. <i>Journal of the Acoustical Society of America</i> , <b>2003</b> , 113, 1304-16	2.2 45
196	A microfluidic Blinking bubble pump. <i>Journal of Micromechanics and Microengineering</i> , <b>2005</b> , 15, 643-651	2 45
195	Drop fragmentation at impact onto a bath of an immiscible liquid. <i>Physical Review Letters</i> , <b>2013</b> , 110, 264503	7.4 44
194	Viscous effects on small-amplitude surface waves. <i>Physics of Fluids</i> , <b>1976</b> , 19, 195	44
193	Pressure-driven flow in a channel with porous walls*. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 679, 77-100	3.7 43
192	Growth and collapse of a vapour bubble in a microtube: the role of thermal effects. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 632, 5-16	3.7 42
191	A Method for Particle Simulation. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2003</b> , 70, 64-74	2.7 42
190	Entrapped air bubbles in piezo-driven inkjet printing: Their effect on the droplet velocity. <i>Physics of Fluids</i> , <b>2006</b> , 18, 121511	4.4 41

189	A numerical method for three-dimensional gas-liquid flow computations. <i>Journal of Computational Physics</i> , <b>2004</b> , 196, 126-144	4.1	41
188	Orthogonal mapping in two dimensions. <i>Journal of Computational Physics</i> , <b>1992</b> , 98, 254-268	4.1	41
187	Effective boundary conditions for Stokes flow over a rough surface. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 316, 223-240	3.7	40
186	Growing bubbles in a slightly supersaturated liquid solution. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 065111	1.7	39
185	The speed of sound in a gas-vapour bubbly liquid. <i>Interface Focus</i> , <b>2015</b> , 5, 20150024	3.9	38
184	Heat transport in bubbling turbulent convection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9237-42	11.5	38
183	A Shape Decomposition Technique in Electrical Impedance Tomography. <i>Journal of Computational Physics</i> , <b>1999</b> , 155, 75-95	4.1	38
182	A Numerical Study of Taylor Bubbles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 242-252, 3.9		37
181	Validation of an approximate model for the thermal behavior in acoustically driven bubbles. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 130, 3243-51	2.2	37
180	Highly Focused Supersonic Microjets. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	37
179	A nonlinear model of thermoacoustic devices. <i>Journal of the Acoustical Society of America</i> , <b>2002</b> , 112, 1431-44	2.2	37
178	Linear oscillations of constrained drops, bubbles, and plane liquid surfaces. <i>Physics of Fluids</i> , <b>2012</b> , 24, 032109	4.4	36
177	A simplified model for linear and nonlinear processes in thermoacoustic prime movers. Part II. Nonlinear oscillations. <i>Journal of the Acoustical Society of America</i> , <b>1997</b> , 102, 3497-3506	2.2	35
176	A sphere in a uniformly rotating or shearing flow. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 600, 201-233	3.7	35
175	A simplified model for linear and nonlinear processes in thermoacoustic prime movers. Part I. Model and linear theory. <i>Journal of the Acoustical Society of America</i> , <b>1997</b> , 102, 3484-3496	2.2	34
174	Reduced cellular immune response in social insect lineages. <i>Biology Letters</i> , <b>2016</b> , 12, 20150984	3.6	33
173	Linear stability of the flow past a spheroidal bubble. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 582, 53-78	3.7	33
172	Boundary conditions at a liquid-vapor interface. <i>Meccanica</i> , <b>1979</b> , 14, 34-47	2.1	33

171	Bubble dynamics: a review and some recent results. <i>Flow, Turbulence and Combustion</i> , <b>1982</b> , 38, 145-164		33
170	Heat transfer mechanisms in bubbly Rayleigh-B̄ard convection. <i>Physical Review E</i> , <b>2009</b> , 80, 026304	2.4	32
169	Harmonic enhancement of single-bubble sonoluminescence. <i>Physical Review E</i> , <b>2003</b> , 67, 056310	2.4	32
168	Blinking bubble-micropump with microfabricated heaters. <i>Journal of Micromechanics and Microengineering</i> , <b>2005</b> , 15, 1683-1691	2	32
167	Bubble oscillations in the vicinity of a nearly plane free surface. <i>Journal of the Acoustical Society of America</i> , <b>1990</b> , 87, 2085-2092	2.2	31
166	A general derivation of the subharmonic threshold for non-linear bubble oscillations. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, 3719-26	2.2	29
165	Pressure-driven flow in a two-dimensional channel with porous walls. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 631, 1-21	3.7	29
164	Mechanism of air entrainment by a disturbed liquid jet. <i>Physics of Fluids</i> , <b>2000</b> , 12, 1710-1714	4.4	29
163	Nonlinear saturation of the thermoacoustic instability. <i>Journal of the Acoustical Society of America</i> , <b>2000</b> , 107, 3130-47	2.2	29
162	Active and passive acoustic behavior of bubble clouds at the ocean's surface. <i>Journal of the Acoustical Society of America</i> , <b>1993</b> , 93, 3117-3127	2.2	29
161	Drag coefficient of a gas bubble in an axisymmetric shear flow. <i>Physics of Fluids</i> , <b>1994</b> , 6, 3186-3188	4.4	29
160	The linear stability of general two-phase flow models. <i>International Journal of Multiphase Flow</i> , <b>1987</b> , 13, 161-171	3.6	29
159	Life and death by boundary conditions. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 768, 1-4	3.7	28
158	Drag and lift forces on particles in a rotating flow. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 643, 1-31	3.7	28
157	A fully resolved numerical simulation of turbulent flow past one or several spherical particles. <i>Physics of Fluids</i> , <b>2012</b> , 24, 013303	4.4	28
156	The transient rise of a bubble subject to shape or volume changes. <i>Physics of Fluids</i> , <b>2003</b> , 15, 2640-2648	4.4	28
155	Spiraling bubbles: how acoustic and hydrodynamic forces compete. <i>Physical Review Letters</i> , <b>2001</b> , 86, 4819-22	7.4	28
154	Resolved-particle simulation by the Physalis method: Enhancements and new capabilities. <i>Journal of Computational Physics</i> , <b>2016</b> , 309, 164-184	4.1	27



153	A level set method for vapor bubble dynamics. <i>Journal of Computational Physics</i> , <b>2012</b> , 231, 1533-1552	4.1	27
152	Mixture pressure and stress in disperse two-phase flow. <i>International Journal of Multiphase Flow</i> , <b>1999</b> , 25, 1395-1429	3.6	27
151	Navier-Stokes Numerical Algorithms for Free-Surface Flow Computations: An Overview. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2002</b> , 237-257	0.6	26
150	Bouncing Oil Droplet in a Stratified Liquid and its Sudden Death. <i>Physical Review Letters</i> , <b>2019</b> , 122, 154502	4.4	25
149	Gas-liquid heat transfer in a bubble collapsing near a wall. <i>Physics of Fluids</i> , <b>1997</b> , 9, 127-142	4.4	25
148	A second-order boundary-fitted projection method for free-surface flow computations. <i>Journal of Computational Physics</i> , <b>2006</b> , 213, 574-590	4.1	25
147	The collapse of vapor bubbles in a spatially non-uniform flow. <i>International Journal of Heat and Mass Transfer</i> , <b>2000</b> , 43, 3539-3550	4.9	25
146	Particle stress in disperse two-phase potential flow. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 294, 1-16	3.7	25
145	Bubble Dynamics in Oceanic Ambient Noise <b>1988</b> , 151-171		25
144	Modelling large scale airgun-bubble dynamics with highly non-spherical features. <i>International Journal of Multiphase Flow</i> , <b>2020</b> , 122, 103143	3.6	25
143	Vapour bubble collapse in isothermal and non-isothermal liquids. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 601, 253-279	3.7	24
142	Flow of spatially non-uniform suspensions.: Part I: Phenomenology. <i>International Journal of Multiphase Flow</i> , <b>2000</b> , 26, 783-831	3.6	24
141	Transient impact of a liquid column on a miscible liquid surface. <i>Physics of Fluids</i> , <b>2003</b> , 15, 821-824	4.4	23
140	Physics-based analysis of the hydrodynamic stress in a fluid-particle system. <i>Physics of Fluids</i> , <b>2010</b> , 22, 033306	4.4	22
139	Low-frequency acoustic wave generation in a resonant bubble layer. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 100, 3570-3580	2.2	22
138	Linear stability of a growing or collapsing bubble in a slightly viscous liquid. <i>Physics of Fluids</i> , <b>1978</b> , 21, 1465		22
137	On the characteristics of the equations of motion for a bubbly flow and the related problem of critical flow. <i>Journal of Engineering Mathematics</i> , <b>1976</b> , 10, 153-162	1.2	21
136	Air entrainment upon liquid impact. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1997</b> , 355, 491-506	3	20

135	Thermal processes in the oscillations of gas bubbles in tubes. <i>Journal of the Acoustical Society of America</i> , <b>1998</b> , 104, 1389-1398	2.2	20
134	Coherent and incoherent scattering by oceanic bubbles. <i>Journal of the Acoustical Society of America</i> , <b>1994</b> , 96, 332-341	2.2	20
133	Subharmonics and ultraharmonics in the forced oscillations of weakly nonlinear systems. <i>American Journal of Physics</i> , <b>1976</b> , 44, 548-554	0.7	20
132	Advanced Mathematics for Applications <b>2010</b> ,		20
131	Dynamics of a disturbed sessile drop measured by atomic force microscopy (AFM). <i>Langmuir</i> , <b>2011</b> , 27, 11966-72	4	19
130	The action of pressure-radiation forces on pulsating vapor bubbles. <i>Physics of Fluids</i> , <b>2001</b> , 13, 1167-1174	4.4	19
129	Dissolution and growth of a multicomponent drop in an immiscible liquid. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 798, 787-811	3.7	19
128	Bubble oscillations in the nearly adiabatic limit. <i>Journal of the Acoustical Society of America</i> , <b>1992</b> , 92, 2016-2023	2.2	18
127	Spatial distribution of heat flux and fluctuations in turbulent Rayleigh-Bénard convection. <i>Physical Review E</i> , <b>2012</b> , 86, 056315	2.4	17
126	The oscillation of gas bubbles in tubes: Experimental results. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 674-681	2.2	17
125	Rayleigh-Taylor instability for adiabatically stratified fluids. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1989</b> , 1, 1784-1795		17
124	Cavitation and bubble bursting as sources of oceanic ambient noise. <i>Journal of the Acoustical Society of America</i> , <b>1988</b> , 84, 1037-1041	2.2	17
123	The contribution of latent heat transport in subcooled nucleate boiling. <i>International Journal of Heat and Mass Transfer</i> , <b>1978</b> , 21, 725-734	4.9	17
122	Gas-Vapor Interplay in Plasmonic Bubble Shrinkage. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5861-5869	3.8	16
121	Dynamics of Formation of a Vapor Nanobubble Around a Heated Nanoparticle. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 20571-20580	3.8	16
120	Local interfacial stability near a zero vorticity point. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 776, 5-36	3.7	16
119	Effect of vapor bubbles on velocity fluctuations and dissipation rates in bubbly Rayleigh-Bénard convection. <i>Physical Review E</i> , <b>2011</b> , 84, 036312	2.4	16
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