

Alfonso Ganan-Calvo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

7,156
citations

42
h-index

81
g-index

171
ext. papers

7,984
ext. citations

4.6
avg, IF

6.28
L-index

#	Paper	IF	Citations
156	Self-similar electrohydrodynamic solutions in multiple coaxial Taylor cones. <i>Journal of Fluid Mechanics</i> , 2021 , 915,	3.7	1
155	Diameter and charge of the first droplet emitted in electrospray. <i>Physics of Fluids</i> , 2021 , 33, 032002	4.4	5
154	On the Ejection of Filaments of Polymer Solutions Triggered by a Micrometer-Scale Mixing Mechanism. <i>Materials</i> , 2021 , 14,	3.5	2
153	The Natural Breakup Length of a Steady Capillary Jet: Application to Serial Femtosecond Crystallography. <i>Crystals</i> , 2021 , 11, 990	2.3	0
152	Transonic flow focusing: stability analysis and jet diameter. <i>International Journal of Multiphase Flow</i> , 2021 , 142, 103720	3.6	0
151	Effect of an axial electric field on the breakup of a leaky-dielectric liquid filament. <i>Physics of Fluids</i> , 2021 , 33, 092114	4.4	2
150	Dynamics of formation of poly(vinyl alcohol) filaments with an energetically efficient micro-mixing mechanism. <i>Physics of Fluids</i> , 2020 , 32, 122101	4.4	3
149	Whipping in gaseous flow focusing. <i>International Journal of Multiphase Flow</i> , 2020 , 130, 103367	3.6	4
148	A numerical simulation of coaxial electrospays. <i>Journal of Fluid Mechanics</i> , 2020 , 885,	3.7	6
147	Dripping, jetting and tip streaming. <i>Reports on Progress in Physics</i> , 2020 , 83, 097001	14.4	43
146	Regenerated Silk Fibers Obtained by Straining Flow Spinning for Guiding Axonal Elongation in Primary Cortical Neurons. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6842-6852	5.5	2
145	Aerodynamically stabilized Taylor cone jets. <i>Physical Review E</i> , 2019 , 100, 031101	2.4	5
144	Production of regenerated silkworm silk fibers from aqueous dopes through straining flow spinning. <i>Textile Reseach Journal</i> , 2019 , 89, 4554-4567	1.7	3
143	Low temperature plasmas and electrospays. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 233001	3	17
142	Emergence of supercontraction in regenerated silkworm (<i>Bombyx mori</i>) silk fibers. <i>Scientific Reports</i> , 2019 , 9, 2398	4.9	11
141	Flow Blurring-Enabled Production of Polymer Filaments from Poly(ethylene oxide) Solutions. <i>ACS Omega</i> , 2019 , 4, 2693-2701	3.9	8
140	Scaling Laws of an Exploding Liquid Column under an Intense Ultrashort X-Ray Pulse. <i>Physical Review Letters</i> , 2019 , 123, 064501	7.4	3

139	Flow blurring atomization of Poly(ethylene oxide) solutions below the coil overlap concentration. <i>Journal of Aerosol Science</i> , 2019 , 137, 105429	4.3	6
138	Nanometre-sized droplets from a gas dynamic virtual nozzle. <i>Journal of Applied Crystallography</i> , 2019 , 52, 800-808	3.8	4
137	Electrospray cone-jet mode for weakly viscoelastic liquids. <i>Physical Review E</i> , 2019 , 100, 043114	2.4	4
136	A new fire shaping approach to produce highly axisymmetric and reproducible nozzles. <i>Journal of Materials Processing Technology</i> , 2019 , 270, 241-253	5.3	5
135	Evaluation of serial crystallographic structure determination within megahertz pulse trains. <i>Structural Dynamics</i> , 2019 , 6, 064702	3.2	14
134	Visualization and size-measurement of droplets generated by Flow Blurring in a high-pressure environment. <i>Aerosol Science and Technology</i> , 2018 , 52, 198-208	3.4	8
133	Risk stratifiers for arrhythmic and non-arrhythmic mortality after acute myocardial infarction. <i>Scientific Reports</i> , 2018 , 8, 9897	4.9	1
132	Comparison of the effects of post-spinning drawing and wet stretching on regenerated silk fibers produced through straining flow spinning. <i>Polymer</i> , 2018 , 150, 311-317	3.9	14
131	Novel swirl flow-focusing microfluidic device for the production of monodisperse microbubbles. <i>Microfluidics and Nanofluidics</i> , 2018 , 22, 1	2.8	2
130	Scaling laws of top jet drop size and speed from bubble bursting including gravity and inviscid limit. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	10
129	Rapid sample delivery for megahertz serial crystallography at X-ray FELs. <i>IUCrJ</i> , 2018 , 5, 574-584	4.7	37
128	Straining Flow Spinning of Artificial Silk Fibers: A Review. <i>Biomimetics</i> , 2018 , 3,	3.7	10
127	Pressure-Driven Filling of Closed-End Microchannel: Realization of Comb-Shaped Transducers for Acoustofluidics. <i>Physical Review Applied</i> , 2018 , 10,	4.3	8
126	Ga ⁺ -Calvo replies. <i>Physical Review Letters</i> , 2018 , 121, 269402	7.4	0
125	Megahertz serial crystallography. <i>Nature Communications</i> , 2018 , 9, 4025	17.4	104
124	The steady cone-jet mode of electro spraying close to the minimum volume stability limit. <i>Journal of Fluid Mechanics</i> , 2018 , 857, 142-172	3.7	16
123	Controlled cavity collapse: scaling laws of drop formation. <i>Soft Matter</i> , 2018 , 14, 7671-7679	3.6	4
122	Review on the physics of electro spray: From electrokinetics to the operating conditions of single and coaxial Taylor cone-jets, and AC electro spray. <i>Journal of Aerosol Science</i> , 2018 , 125, 32-56	4.3	106

121	Active droplet sorting in microfluidics: a review. <i>Lab on A Chip</i> , 2017 , 17, 751-771	7.2	177
120	Production of High Performance Bioinspired Silk Fibers by Straining Flow Spinning. <i>Biomacromolecules</i> , 2017 , 18, 1127-1133	6.9	27
119	Global stability of axisymmetric flow focusing. <i>Journal of Fluid Mechanics</i> , 2017 , 832, 329-344	3.7	15
118	Straining flow spinning: Simplified model of a bioinspired process to mass produce regenerated silk fibers controllably. <i>European Polymer Journal</i> , 2017 , 97, 26-39	5.2	7
117	Effectiveness of flossing loops in the control of the gingival health. <i>Journal of Clinical and Experimental Dentistry</i> , 2017 , 9, e756-e761	1.4	1
116	Revision of Bubble Bursting: Universal Scaling Laws of Top Jet Drop Size and Speed. <i>Physical Review Letters</i> , 2017 , 119, 204502	7.4	50
115	Straining flow spinning: production of regenerated silk fibers under a wide range of mild coagulating chemistries. <i>Green Chemistry</i> , 2017 , 19, 3380-3389	10	14
114	The onset of electrospray: the universal scaling laws of the first ejection. <i>Scientific Reports</i> , 2016 , 6, 32357-9	7.9	40
113	Effect of a Surrounding Liquid Environment on the Electrical Disruption of Pendant Droplets. <i>Langmuir</i> , 2016 , 32, 6815-24	4	7
112	A hybrid flow focusing nozzle design to produce micron and sub-micron capillary jets. <i>International Journal of Mass Spectrometry</i> , 2016 , 403, 32-38	1.9	2
111	The production of viscoelastic capillary jets with gaseous flow focusing. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016 , 229, 8-15	2.7	7
110	Active droplet generation in microfluidics. <i>Lab on A Chip</i> , 2016 , 16, 35-58	7.2	159
109	Universal structures of normal and pathological heart rate variability. <i>Scientific Reports</i> , 2016 , 6, 21749	4.9	4
108	Monosized dripping mode of axisymmetric flow focusing. <i>Physical Review E</i> , 2016 , 94, 053122	2.4	15
107	Automated droplet measurement (ADM): an enhanced video processing software for rapid droplet measurements. <i>Microfluidics and Nanofluidics</i> , 2016 , 20, 1	2.8	24
106	Breakup length of AC electrified jets in a microfluidic flow-focusing junction. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 787-794	2.8	27
105	Acoustofluidic control of bubble size in microfluidic flow-focusing configuration. <i>Lab on A Chip</i> , 2015 , 15, 996-9	7.2	31
104	Stability of a rivulet flowing in a microchannel. <i>International Journal of Multiphase Flow</i> , 2015 , 69, 1-7	3.6	14

103	Convective-to-absolute instability transition in a viscoelastic capillary jet subject to unrelaxed axial elastic tension. <i>Physical Review E</i> , 2015 , 92, 023006	2.4	9
102	Electrokinetic effects in the breakup of electrified jets: A Volume-Of-Fluid numerical study. <i>International Journal of Multiphase Flow</i> , 2015 , 71, 14-22	3.6	25
101	Massive, Generic, and Controlled Microencapsulation by Flow Focusing: Some Physicochemical Aspects and New Applications. <i>Journal of Flow Chemistry</i> , 2015 , 5, 48-54	3.3	5
100	A novel technique to produce metallic microdrops for additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 70, 1395-1402	3.2	21
99	Isothermal dissolution of small rising bubbles in a low viscosity liquid. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 85, 136-144	3.7	5
98	How does a shear boundary layer affect the stability of a capillary jet?. <i>Physics of Fluids</i> , 2014 , 26, 061701	4.4	8
97	Polarity effect on the electrohydrodynamic (EHD) spray of water. <i>Journal of Aerosol Science</i> , 2014 , 76, 98-114	4.3	33
96	Production of microbubbles from axisymmetric flow focusing in the jetting regime for moderate Reynolds numbers. <i>Physical Review E</i> , 2014 , 89, 063012	2.4	9
95	On the validity and applicability of the one-dimensional approximation in cone-jet electro spray. <i>Journal of Aerosol Science</i> , 2013 , 61, 60-69	4.3	2
94	Absolute and convective instability of a charged viscoelastic liquid jet. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013 , 196, 58-69	2.7	25
93	A new flow focusing technique to produce very thin jets. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 065009	2	24
92	Analysis and design process of a bi-membrane structure for micro-flow regulators. <i>Microsystem Technologies</i> , 2013 , 19, 227-236	1.7	1
91	A novel technique for producing metallic microjets and microdrops. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 101-111	2.8	13
90	Building functional materials for health care and pharmacy from microfluidic principles and Flow Focusing. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1447-69	18.5	75
89	On the use of hypodermic needles in electro spray. <i>EPJ Web of Conferences</i> , 2013 , 45, 01128	0.3	2
88	Electro-hydrodynamic generation of monodisperse nanoparticles in the sub-10 nm size range from strongly electrolytic salt solutions: governing parameters of scaling laws. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	8
87	Theoretical investigation of a technique to produce microbubbles by a microfluidic T junction. <i>Physical Review E</i> , 2013 , 88, 033027	2.4	14
86	The minimum or natural rate of flow and droplet size ejected by Taylor cone jets: physical symmetries and scaling laws. <i>New Journal of Physics</i> , 2013 , 15, 033035	2.9	54

85	Numerical simulation of electrospray in the cone-jet mode. <i>Physical Review E</i> , 2012 , 86, 026305	2.4	47
84	Focusing liquid microjets with nozzles. <i>Journal of Micromechanics and Microengineering</i> , 2012 , 22, 065011	2	26
83	Enhancement of the stability of the flow focusing technique for low-viscosity liquids. <i>Journal of Micromechanics and Microengineering</i> , 2012 , 22, 115039	2	11
82	Universal size and shape of viscous capillary jets: application to gas-focused microjets. <i>Journal of Fluid Mechanics</i> , 2011 , 670, 427-438	3.7	25
81	Experimental and numerical study of the recirculation flow inside a liquid meniscus focused by air. <i>Microfluidics and Nanofluidics</i> , 2011 , 11, 65-74	2.8	11
80	Highly Integrable Flow Regulator With Positive Gain. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 12-14	2.5	4
79	Absolute-convective instability transition of low permittivity, low conductivity charged viscous liquid jets under axial electric fields. <i>Physics of Fluids</i> , 2011 , 23, 094108	4.4	18
78	Generation of small mono-disperse bubbles in axisymmetric T-junction: The role of swirl. <i>Physics of Fluids</i> , 2011 , 23, 072004	4.4	7
77	Global stability of the focusing effect of fluid jet flows. <i>Physical Review E</i> , 2011 , 83, 036309	2.4	37
76	On the validity of a universal solution for viscous capillary jets. <i>Physics of Fluids</i> , 2011 , 23, 122103	4.4	15
75	Application of Flow Focusing to the Break-Up of a Magnetite Suspension Jet for the Production of Paramagnetic Microparticles. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-10	3.2	8
74	Analysis of the dripping-jetting transition in compound capillary jets. <i>Journal of Fluid Mechanics</i> , 2010 , 649, 523-536	3.7	37
73	Absolute lateral instability in capillary coflowing jets. <i>Physics of Fluids</i> , 2010 , 22, 064104	4.4	12
72	Global and local instability of flow focusing: The influence of the geometry. <i>Physics of Fluids</i> , 2010 , 22, 064105	4.4	63
71	Absolute to convective instability transition in charged liquid jets. <i>Physics of Fluids</i> , 2010 , 22, 062002	4.4	16
70	An operational calculus framework to characterize droplet size populations from turbulent breakup by a small number of parameters. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 185501	2	2
69	Micrometer glass nozzles for flow focusing. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 075035	2	19
68	Liquid capillary micro/nanojets in free-jet expansion. <i>Small</i> , 2010 , 6, 822-4	11	28

67	Making Drops in Microencapsulation Processes. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 300-309	0.8	10
66	Publisher's Note: Revision of capillary cone-jet physics: Electro spray and flow focusing [Phys. Rev. E 79, 066305 (2009)]. <i>Physical Review E</i> , 2009 , 79,	2.4	3
65	Reduction of droplet-size dispersion in parallel flow-focusing microdevices using a passive method. <i>Journal of Micromechanics and Microengineering</i> , 2009 , 19, 045029	2	8
64	Swirl flow focusing: A novel procedure for the massive production of monodisperse microbubbles. <i>Physics of Fluids</i> , 2009 , 21, 042003	4.4	14
63	Development and characterization of a Flow Focusing multi nebulization system for sample introduction in ICP-based spectrometric techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 1213	3.7	17
62	Revision of capillary cone-jet physics: electro spray and flow focusing. <i>Physical Review E</i> , 2009 , 79, 066305	2.4	124
61	Liquid flow focused by a gas: jetting, dripping, and recirculation. <i>Physical Review E</i> , 2008 , 78, 036323	2.4	62
60	Turbulence in pneumatic flow focusing and flow blurring regimes. <i>Physical Review E</i> , 2008 , 77, 036321	2.4	37
59	Spatiotemporal instability of a confined capillary jet. <i>Physical Review E</i> , 2008 , 78, 046312	2.4	35
58	Stability of coflowing capillary jets under nonaxisymmetric perturbations. <i>Physical Review E</i> , 2008 , 77, 046301	2.4	9
57	Unconditional jetting. <i>Physical Review E</i> , 2008 , 78, 026304	2.4	24
56	Viscoelastic effects on the jetting-dripping transition in co-flowing capillary jets. <i>Journal of Fluid Mechanics</i> , 2008 , 610, 249-260	3.7	13
55	Synthesis of lidocaine-loaded PLGA microparticles by flow focusing. Effects on drug loading and release properties. <i>International Journal of Pharmaceutics</i> , 2008 , 358, 27-35	6.5	65
54	Microfluidic codecs. <i>Small</i> , 2007 , 3, 1140-2	11	1
53	Focusing capillary jets close to the continuum limit. <i>Nature Physics</i> , 2007 , 3, 737-742	16.2	96
52	Electro-flow focusing: the high-conductivity low-viscosity limit. <i>Physical Review Letters</i> , 2007 , 98, 134503	7.4	35
51	Absolute instability of a viscous hollow jet. <i>Physical Review E</i> , 2007 , 75, 027301	2.4	12
50	Silicon Microdevice for Emulsion Production Using Three-Dimensional Flow Focusing. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 1201-1208	2.5	15

49	Towards High-Throughput Production of Uniformly Encoded Microparticles. <i>Advanced Materials</i> , 2006 , 18, 559-564	24	66
48	Bubbling in unbounded coflowing liquids. <i>Physical Review Letters</i> , 2006 , 96, 124504	7.4	44
47	Flow focusing pneumatic nebulizer in comparison with several micronebulizers in inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 770-777	3.7	22
46	Behaviour of a flow focusing pneumatic nebulizer with high total dissolved solids solution on radially- and axially-viewed inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 1072-1075	3.7	15
45	The combination of electrospray and flow focusing. <i>Journal of Fluid Mechanics</i> , 2006 , 566, 421	3.7	51
44	Jetting-dripping transition of a liquid jet in a lower viscosity co-flowing immiscible liquid: the minimum flow rate in flow focusing. <i>Journal of Fluid Mechanics</i> , 2006 , 553, 75	3.7	80
43	Straightforward production of encoded microbeads by Flow Focusing: potential applications for biomolecule detection. <i>International Journal of Pharmaceutics</i> , 2006 , 324, 19-26	6.5	22
42	Monodisperse structured multi-vesicle microencapsulation using flow-focusing and controlled disturbance. <i>Journal of Microencapsulation</i> , 2005 , 22, 745-59	3.4	45
41	Enhanced liquid atomization: From flow-focusing to flow-blurring. <i>Applied Physics Letters</i> , 2005 , 86, 2141-2144	3.1	96
40	Integrable silicon microfluidic valve with pneumatic actuation. <i>Sensors and Actuators A: Physical</i> , 2005 , 118, 144-151	3.9	18
39	Flow Focusing: a versatile technology to produce size-controlled and specific-morphology microparticles. <i>Small</i> , 2005 , 1, 688-92	11	167
38	A note on the small oscillation regimes of rotating liquid bridges: Transition from surface to internal wave modes. <i>Physics of Fluids</i> , 2005 , 17, 012101-012101-6	4.4	4
37	Linear stability analysis of axisymmetric perturbations in imperfectly conducting liquid jets. <i>Physics of Fluids</i> , 2005 , 17, 034106	4.4	58
36	Integrable silicon microfluidic valve with pneumatic actuation 2005 , 118, 144-144		2
35	Coarsening of monodisperse wet microfoams. <i>Applied Physics Letters</i> , 2004 , 84, 4989-4991	3.4	29
34	Steady high viscosity liquid micro-jet production and fiber spinning using co-flowing gas conformation. <i>European Physical Journal B</i> , 2004 , 39, 131-137	1.2	22
33	A new device for the generation of microbubbles. <i>Physics of Fluids</i> , 2004 , 16, 2828-2834	4.4	89
32	Preliminary characterization and fundamental properties of aerosols generated by a flow focusing pneumatic nebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1340-1346	3.7	22

31	Perfectly monodisperse microbubbling by capillary flow focusing: an alternate physical description and universal scaling. <i>Physical Review E</i> , 2004 , 69, 027301	2.4	89
30	A note on charged capillary jet breakup of conducting liquids: experimental validation of a viscous one-dimensional model. <i>Journal of Fluid Mechanics</i> , 2004 , 501, 303-326	3.7	63
29	On the general scaling theory for electrospaying. <i>Journal of Fluid Mechanics</i> , 2004 , 507, 203-212	3.7	111
28	Micro/nano encapsulation via electrified coaxial liquid jets. <i>Science</i> , 2002 , 295, 1695-8	33.3	843
27	Monodisperse microbubbling: Absolute instabilities in coflowing gas-liquid jets. <i>Physics of Fluids</i> , 2001 , 13, 3839-3842	4.4	44
26	Perfectly monodisperse microbubbling by capillary flow focusing. <i>Physical Review Letters</i> , 2001 , 87, 274501	4.4	440
25	Linear stability of co-flowing liquid-gas jets. <i>Journal of Fluid Mechanics</i> , 2001 , 448, 23-51	3.7	65
24	The role of the electrical conductivity and viscosity on the motions inside Taylor cones. <i>Journal of Electrostatics</i> , 1999 , 47, 13-26	1.7	49
23	A novel pneumatic technique to generate steady capillary microjets. <i>Journal of Aerosol Science</i> , 1999 , 30, 117-125	4.3	67
22	ONE-DIMENSIONAL SIMULATION OF THE BREAKUP OF CAPILLARY JETS OF CONDUCTING LIQUIDS. APPLICATION TO E.H.D. SPRAYING. <i>Journal of Aerosol Science</i> , 1999 , 30, 895-912	4.3	59
21	THE SURFACE CHARGE IN ELECTROSPRAYING: ITS NATURE AND ITS UNIVERSAL SCALING LAWS. <i>Journal of Aerosol Science</i> , 1999 , 30, 863-872	4.3	162
20	The universal nature and scaling law of the surface charge in electrospaying. <i>Journal of Aerosol Science</i> , 1998 , 29, S975-S976	4.3	6
19	A perfectly steady fluid micro-thread finds its way through a microscopic hole without touching its walls. The tale of a new nebulizer/emulsifier. <i>Journal of Aerosol Science</i> , 1998 , 29, S1071-S1072	4.3	2
18	Low and high Reynolds number flows inside Taylor cones. <i>Physical Review E</i> , 1998 , 58, 7309-7314	2.4	50
17	Generation of Steady Liquid Microthreads and Micron-Sized Monodisperse Sprays in Gas Streams. <i>Physical Review Letters</i> , 1998 , 80, 285-288	7.4	401
16	On the theory of electrohydrodynamically driven capillary jets. <i>Journal of Fluid Mechanics</i> , 1997 , 335, 165-188	3.7	130
15	Current and droplet size in the electrospaying of liquids. Scaling laws. <i>Journal of Aerosol Science</i> , 1997 , 28, 249-275	4.3	610
14	Cone-Jet Analytical Extension of Taylor's Electrostatic Solution and the Asymptotic Universal Scaling Laws in Electrospaying. <i>Physical Review Letters</i> , 1997 , 79, 217-220	7.4	268

13	The role of liquid viscosity and electrical conductivity on the motions inside Taylor cones in E.H.D. spraying of liquids. <i>Journal of Aerosol Science</i> , 1996 , 27, S175-S176	4-3	11
12	A global model for the electro spraying of liquids in steady cone-jet mode. <i>Journal of Aerosol Science</i> , 1996 , 27, S179-S180	4-3	12
11	The equilibrium shapes of liquid menisci emitting liquid and charges in steady cone-jet mode. <i>Journal of Aerosol Science</i> , 1996 , 27, S187-S188	4-3	1
10	Zeroth-order, electrohydrostatic solution for electro spraying in cone-jet mode. <i>Journal of Aerosol Science</i> , 1994 , 25, 1065-1077	4-3	99
9	The electrostatic spray emitted from an electrified conical meniscus. <i>Journal of Aerosol Science</i> , 1994 , 25, 1121-1142	4-3	123
8	20.O.05 The size and charge of droplets in the electro spraying of polar liquids in cone-jet mode, and the minimum droplet size. <i>Journal of Aerosol Science</i> , 1994 , 25, 309-310	4-3	38
7	On the dynamics of buoyant and heavy particles in a periodic Stuart vortex flow. <i>Journal of Fluid Mechanics</i> , 1993 , 254, 671-699	3-7	48
6	The dynamics of small, heavy, rigid spherical particles in a periodic Stuart vortex flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993 , 5, 1679-1693		25
5	The dynamics of bubbles in periodic vortex flowss. <i>Flow, Turbulence and Combustion</i> , 1993 , 51, 285-290		10
4	04 O 01 The electrohydrodynamics of electrified conical menisci. <i>Journal of Aerosol Science</i> , 1993 , 24, S19-S20	4-3	16
3	The Dynamics of Bubbles in Periodic Vortex Flowss. <i>Fluid Mechanics and Its Applications</i> , 1993 , 285-290	0.2	1
2	Oscillations of liquid captive rotating drops. <i>Journal of Fluid Mechanics</i> , 1991 , 226, 63-89	3-7	17
1	The dynamics and mixing of small spherical particles in a plane, free shear layer. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991 , 3, 1207-1217		41