

# Alberto Fernandez-Nieves

## 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.

180  
papers

7,388  
citations

43  
h-index

82  
g-index

200  
ext. papers

8,098  
ext. citations

6.3  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
180	Orientational Correlations in Active and Passive Nematic Defects. <i>Physical Review Letters</i> , <b>2021</b> , 127, 197801	7.4	3
179	Internal structure of ultralow-crosslinked microgels: From uniform deswelling to phase separation. <i>Physical Review E</i> , <b>2021</b> , 103, 022614	2.4	3
178	Osmotic pressure of suspensions comprised of charged microgels. <i>Physical Review E</i> , <b>2021</b> , 103, 012609	2.4	7
177	Polarized epifluorescence microscopy and the imaging of nematic liquid crystals in highly curved geometries. <i>Physical Review E</i> , <b>2020</b> , 101, 052703	2.4	1
176	Rheology of capillary foams. <i>Soft Matter</i> , <b>2020</b> , 16, 6725-6732	3.6	6
175	Coherence-enhanced diffusion filtering applied to partially-ordered fluids. <i>Molecular Physics</i> , <b>2020</b> , 118, e1725167	1.7	1
174	Reverse Janssen Effect in Narrow Granular Columns. <i>Physical Review Letters</i> , <b>2020</b> , 124, 128002	7.4	13
173	Complexation of Pluronic L62 (EO)-(PO)-(EO)/aerosol-OT (sodium bis(2-ethylhexyl)sulfosuccinate) in aqueous solutions investigated by small angle neutron scattering. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12524-12531	3.6	0
172	Activity effects on the nonlinear mechanical properties of fire-ant aggregations. <i>Physical Review E</i> , <b>2020</b> , 102, 012602	2.4	3
171	Capillary-Based Microfluidics-Coflow, Flow-Focusing, Electro-Coflow, Drops, Jets, and Instabilities. <i>Small</i> , <b>2020</b> , 16, e1904344	11	23
170	Behavior and mechanics of dense microgel suspensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27096-27103	11.5	11
169	Emission modes in electro co-flow. <i>Physics of Fluids</i> , <b>2019</b> , 31, 082009	4.4	4
168	Curved boundaries and chiral instabilities - two sources of twist in homeotropic nematic tori. <i>Soft Matter</i> , <b>2019</b> , 15, 1210-1214	3.6	5
167	Spontaneous deswelling of microgels controlled by counterion clouds. <i>Physical Review E</i> , <b>2019</b> , 99, 042602	2.4	14
166	Geometrical Control of Active Turbulence in Curved Topographies. <i>Physical Review Letters</i> , <b>2019</b> , 122, 168002	7.4	20
165	Phagocyte-Inspired Smart Microcapsules. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 421-426	6.6	4
164	Simulating optical polarizing microscopy textures using Jones calculus: a review exemplified with nematic liquid crystal tori. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 213001	3	3

163	Polypropylene Carbonate-Based Adaptive Buffer Layer for Stable Interfaces of Solid Polymer Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27906-27912	9.5	17
162	Swelling thermodynamics and phase transitions of polymer gels. <i>Nano Futures</i> , <b>2019</b> , 3, 042001	3.6	14
161	Breakup dynamics of toroidal droplets in shear-thinning fluids. <i>Physical Review E</i> , <b>2018</b> , 97, 021101	2.4	1
160	Defect transitions in nematic liquid-crystal capillary bridges. <i>Physical Review E</i> , <b>2018</b> , 97, 040701	2.4	3
159	Mesoscale modeling of microgel mechanics and kinetics through the swelling transition. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2018</b> , 39, 47-62	3.2	31
158	Toroidal Droplets: Growth Rates, Dispersion Relations, and Behavior in the Thick-Torus Limit. <i>Langmuir</i> , <b>2018</b> , 34, 1218-1224	4	2
157	Curvature-induced defect unbinding and dynamics in active nematic toroids. <i>Nature Physics</i> , <b>2018</b> , 14, 85-90	16.2	64
156	Exquisite regulation of supramolecular equilibrium polymers in water: chain stoppers control length, polydispersity and viscoelasticity. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 5268-5277	4.9	11
155	Curvature-Induced Twist in Homeotropic Nematic Tori. <i>Physical Review Letters</i> , <b>2018</b> , 121, 247803	7.4	12
154	Extreme thermodynamics with polymer gel tori: Harnessing thermodynamic instabilities to induce large-scale deformations. <i>Physical Review E</i> , <b>2018</b> , 98, 020501	2.4	6
153	Structurally Stable Attractive Nanoscale Emulsions with Dipole-Dipole Interaction-Driven Interdrop Percolation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4292-4297	4.8	13
152	Dynamic assembly of ultrasoft colloidal networks enables cell invasion within restrictive fibrillar polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 885-890	11.5	35
151	Shrinking instability of toroidal droplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2871-2875	11.5	8
150	Amplified Photon Upconversion by Photonic Shell of Cholesteric Liquid Crystals. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5708-5711	16.4	37
149	Transition from turbulent to coherent flows in confined three-dimensional active fluids. <i>Science</i> , <b>2017</b> , 355,	33.3	140
148	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606830	24	19
147	Phase behavior of binary and polydisperse suspensions of compressible microgels controlled by selective particle deswelling. <i>Physical Review E</i> , <b>2017</b> , 96, 032609	2.4	24
146	Charge segregation in weakly ionized microgels. <i>Physical Review E</i> , <b>2017</b> , 95, 012608	2.4	10

145	Activity-driven changes in the mechanical properties of fire ant aggregations. <i>Physical Review E</i> , <b>2017</b> , 96, 052601	2.4	9
144	Charge-Induced Saffman-Taylor Instabilities in Toroidal Droplets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 264501		3
143	Toroidal-droplet instabilities in the presence of charge. <i>Physical Review E</i> , <b>2017</b> , 95, 033122	2.4	7
142	Single-platelet nanomechanics measured by high-throughput cytometry. <i>Nature Materials</i> , <b>2017</b> , 16, 230-235	27	61
141	Spherical nematic shells with a threefold valence. <i>Physical Review E</i> , <b>2016</b> , 94, 012703	2.4	16
140	Colloidal Fluids <b>2016</b> , 187-202		
139	Colloidal Crystallization <b>2016</b> , 203-248		2
138	Rheology of Soft Materials <b>2016</b> , 149-164		5
137	Drop Generation in Controlled Fluid Flows <b>2016</b> , 1-18		
136	Optical Microscopy of Soft Matter Systems <b>2016</b> , 165-186		6
135	Crystals and Liquid Crystals Confined to Curved Geometries <b>2016</b> , 369-386		3
134	Fluctuations in Particle Sedimentation <b>2016</b> , 43-58		0
133	Mechanics of fire ant aggregations. <i>Nature Materials</i> , <b>2016</b> , 15, 54-9	27	63
132	Emulsions <b>2016</b> , 293-306		0
131	Foams <b>2016</b> , 355-368		
130	Colloidal Interactions with Optical Fields: Optical Tweezers <b>2016</b> , 111-130		
129	Scattering Techniques <b>2016</b> , 131-148		2
128	The Glass Transition <b>2016</b> , 249-278		

127	Colloidal Gelation <b>2016</b> , 279-292		4
126	An Introduction to the Physics of Liquid Crystals <b>2016</b> , 307-340		2
125	Entangled Granular Media <b>2016</b> , 341-354		2
124	Nematics on Curved Surfaces [Computer Simulations of Nematic Shells <b>2016</b> , 387-402		2
123	Colloidal Dispersions in Shear Flow <b>2016</b> , 81-110		0
122	Electric Field Effects <b>2016</b> , 19-28		1
121	Fluid Flows for Engineering Complex Materials <b>2016</b> , 29-42		
120	Particles in Electric Fields <b>2016</b> , 59-80		1
119	The role of ions in the self-healing behavior of soft particle suspensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5576-81	11.5	56
118	Impact of single-particle compressibility on the fluid-solid phase transition for ionic microgel suspensions. <i>Physical Review Letters</i> , <b>2015</b> , 114, 098303	7.4	39
117	Biofilm formation in geometries with different surface curvature and oxygen availability. <i>New Journal of Physics</i> , <b>2015</b> , 17, 033017	2.9	40
116	Modular degradable hydrogels based on thiol-reactive oxanorbornadiene linkers. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4984-7	16.4	24
115	The CONTIN algorithm and its application to determine the size distribution of microgel suspensions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 234905	3.9	74
114	Spontaneous emergence of chirality in achiral lyotropic chromonic liquid crystals confined to cylinders. <i>Nature Communications</i> , <b>2015</b> , 6, 8067	17.4	78
113	Teaching Rayleigh-Bénard instabilities in the laboratory. <i>European Journal of Physics</i> , <b>2015</b> , 36, 055023	0.8	2
112	Dynamics of oppositely charged emulsion droplets. <i>Physics of Fluids</i> , <b>2015</b> , 27, 082003	4.4	17
111	Segregation of mass at the periphery of N-isopropylacrylamide-co-acrylic-acid microgels at high temperatures. <i>Physical Review E</i> , <b>2015</b> , 92, 030302	2.4	6
110	Latex Dispersions, Emulsions, and Microgel Particles: Electrokinetic Behavior <b>2015</b> , 3614-3628		

109	Whipping of electrified liquid jets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13763-7	11.5	34
108	Stability of toroidal droplets inside yield stress materials. <i>Physical Review E</i> , <b>2014</b> , 90, 021002	2.4	26
107	Form factor of pNIPAM microgels in overpacked states. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 034901	3.9	41
106	Stable nematic droplets with handles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9295-300	11.5	75
105	Bivalent defect configurations in inhomogeneous nematic shells. <i>Soft Matter</i> , <b>2013</b> , 9, 4993	3.6	27
104	Fabrication of novel silicone capsules with tunable mechanical properties by microfluidic techniques. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5247-52	9.5	30
103	Altering colloidal surface functionalization using DNA encapsulated inside monodisperse gelatin microsphere templates. <i>Langmuir</i> , <b>2013</b> , 29, 5534-9	4	7
102	Transient formation of bcc crystals in suspensions of poly(N-isopropylacrylamide)-based microgels. <i>Physical Review E</i> , <b>2013</b> , 88, 052308	2.4	22
101	Celloidosomes via glass-based microfluidics. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 114006	3	6
100	Phase and non-equilibrium behaviour of microgel suspensions as a function of particle stiffness. <i>Soft Matter</i> , <b>2012</b> , 8, 4141	3.6	30
99	Smectic shells. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 284122	1.8	11
98	The polymer/colloid duality of microgel suspensions. <i>Annual Review of Physical Chemistry</i> , <b>2012</b> , 63, 25-43	5.7	171
97	Defect coalescence in spherical nematic shells. <i>Physical Review E</i> , <b>2012</b> , 86, 030702	2.4	20
96	Crystals of Microgel Particles <b>2012</b> , 337-368		
95	Computer simulations of nematic drops: coupling between drop shape and nematic order. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 034505	3.9	15
94	Reversible Inter- and Intra-Microgel Cross-Linking using Disulfides. <i>Macromolecules</i> , <b>2012</b> , 45, 39-45	5.5	70
93	Origin of de-swelling and dynamics of dense ionic microgel suspensions. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 124905	3.9	63
92	Defect trajectories in nematic shells: role of elastic anisotropy and thickness heterogeneity. <i>Physical Review E</i> , <b>2012</b> , 86, 020705	2.4	43

91	Structural properties of thermoresponsive poly(N-isopropylacrylamide)-poly(ethyleneglycol) microgels. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 214903	3.9	23
90	Bulk modulus of poly(N-isopropylacrylamide) microgels through the swelling transition. <i>Physical Review E</i> , <b>2011</b> , 84, 011406	2.4	43
89	Mechanics of Single Microgel Particles <b>2011</b> , 311-325		
88	Drop size control in electro-coflow. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 021910	3.4	10
87	Nematic-smectic transition in spherical shells. <i>Physical Review Letters</i> , <b>2011</b> , 106, 247802	7.4	89
86	Applications of Biopolymer Microgels <b>2011</b> , 423-450		
85	Rheology of Industrially Relevant Microgels <b>2011</b> , 327-353		11
84	Melting and Geometric Frustration in Temperature-Sensitive Colloids <b>2011</b> , 229-281		5
83	Yielding, Flow, and Slip in Microgel Suspensions: From Microstructure to Macroscopic Rheology <b>2011</b> , 283-309		2
82	Exploiting the Optical Properties of Microgels and Hydrogels as Microlenses and Photonic Crystals in Sensing Applications <b>2011</b> , 355-374		2
81	Determination of Microgel Structure by Small-Angle Neutron Scattering <b>2011</b> , 117-132		4
80	Structure and Thermodynamics of Ionic Microgels <b>2011</b> , 163-193		4
79	Elasticity of Soft Particles and Colloids near the Jamming Threshold <b>2011</b> , 195-206		1
78	Crystallization of Microgel Spheres <b>2011</b> , 207-228		1
77	Microgels for Oil Recovery <b>2011</b> , 407-422		2
76	Interactions and Colloid Stability of Microgel Particles <b>2011</b> , 133-162		1
75	Frustrated nematic order in spherical geometries. <i>Nature Physics</i> , <b>2011</b> , 7, 391-394	16.2	196
74	Determination of the bulk modulus of microgel particles. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 721-728	2.4	33

73	Drops and shells of liquid crystal. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 345-359	2.4	160
72	The effect of hydrostatic pressure over the swelling of microgel particles. <i>Soft Matter</i> , <b>2011</b> , 7, 6370	3.6	24
71	Bulk and shear moduli of compressed microgel suspensions. <i>Physical Review E</i> , <b>2011</b> , 84, 060402	2.4	42
70	New Functional Microgels from Microfluidics <b>2011</b> , 53-70		1
69	Polymerization Kinetics of Microgel Particles <b>2011</b> , 33-51		2
68	Microgels and Their Synthesis: An Introduction <b>2011</b> , 1-32		16
67	Microgels in Drug Delivery <b>2011</b> , 375-405		7
66	Corrugated interfaces in multiphase core-annular flow. <i>Physics of Fluids</i> , <b>2010</b> , 22, 082002	4.4	20
65	Crystal structure of highly concentrated, ionic microgel suspensions studied by small-angle x-ray scattering. <i>Physical Review E</i> , <b>2010</b> , 81, 052401	2.4	13
64	Structural changes of poly(N-isopropylacrylamide)-based microgels induced by hydrostatic pressure and temperature studied by small angle neutron scattering. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 034901	3.9	22
63	Current-voltage characteristic of electrospray processes in microfluidics. <i>Physical Review Letters</i> , <b>2010</b> , 105, 154503	7.4	27
62	The role of polymer polydispersity in phase separation and gelation in colloid-polymer mixtures. <i>Langmuir</i> , <b>2010</b> , 26, 3174-8	4	19
61	Temperature-controlled transitions between glass, liquid, and gel states in dense p-NIPA suspensions. <i>Advanced Materials</i> , <b>2010</b> , 22, 3441-5	24	82
60	Absorption Properties of Microgel-PVP Composite Nanofibers Made by Electrospinning. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 183-9	4.8	19
59	Crystal structure of highly concentrated, ionic microgel suspensions studied by neutron scattering. <i>Physical Review E</i> , <b>2009</b> , 79, 051403	2.4	16
58	Suppression of instabilities in multiphase flow by geometric confinement. <i>Physical Review E</i> , <b>2009</b> , 79, 056310	2.4	61
57	Generation and stability of toroidal droplets in a viscous liquid. <i>Physical Review Letters</i> , <b>2009</b> , 102, 234501	4.4	75
56	Scaling the drop size in coflow experiments. <i>New Journal of Physics</i> , <b>2009</b> , 11, 075021	2.9	69



55	Soft colloids make strong glasses. <i>Nature</i> , <b>2009</b> , 462, 83-6	50.4	417
54	Motion of microgels in electric fields. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 147-148, 178-85	14.3	17
53	Gels and microgels for nanotechnological applications. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 147-148, 88-108	14.3	124
52	Gravitational compression of colloidal gels. <i>European Physical Journal E</i> , <b>2009</b> , 28, 159-64	1.5	18
51	Deswelling Microgel Particles Using Hydrostatic Pressure. <i>Macromolecules</i> , <b>2009</b> , 42, 6225-6230	5.5	61
50	Swelling Kinetics of a Microgel Shell. <i>Macromolecules</i> , <b>2009</b> , 42, 9357-9365	5.5	28
49	Topological transformations in bipolar shells of nematic liquid crystals. <i>Physical Review E</i> , <b>2009</b> , 79, 021707	7.4	47
48	Absolute instability of a liquid jet in a coflowing stream. <i>Physical Review Letters</i> , <b>2008</b> , 100, 014502	7.4	143
47	Highly responsive hydrogel scaffolds formed by three-dimensional organization of microgel nanoparticles. <i>Nano Letters</i> , <b>2008</b> , 8, 168-72	11.5	128
46	Coupled deswelling of multiresponse microgels. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12195-200	3.4	45
45	Fabrication of structured micro and nanofibers by coaxial electrospinning. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 127, 012008	0.3	18
44	Elasticity and dynamics of particle gels in non-Newtonian melts. <i>Rheologica Acta</i> , <b>2008</b> , 47, 989-997	2.3	35
43	Designer emulsions using microfluidics. <i>Materials Today</i> , <b>2008</b> , 11, 18-27	21.8	544
42	Colloidal assembly route for responsive colloidosomes with tunable permeability. <i>Nano Letters</i> , <b>2007</b> , 7, 2876-80	11.5	130
41	Fabrication of monodisperse gel shells and functional microgels in microfluidic devices. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1819-22	16.4	257
40	Fabrication of Monodisperse Gel Shells and Functional Microgels in Microfluidic Devices. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 1851-1854	3.6	56
39	Topological changes in bipolar nematic droplets under flow. <i>Physical Review Letters</i> , <b>2007</b> , 98, 087801	7.4	60
38	Dripping, Jetting, Drops, and Wetting: The Magic of Microfluidics. <i>MRS Bulletin</i> , <b>2007</b> , 32, 702-708	3.2	265

37	Dripping to jetting transitions in coflowing liquid streams. <i>Physical Review Letters</i> , <b>2007</b> , 99, 094502	7.4	621
36	State diagram for the electrostatic adsorption of charged colloids on confining walls: simulation and theory. <i>Physical Review E</i> , <b>2007</b> , 76, 050403	2.4	6
35	Optical manipulation and rotation of liquid crystal drops using high-index fiber-optic tweezers. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 091119	3.4	16
34	Macroscopically probing the entropic influence of ions: deswelling neutral microgels with salt. <i>Physical Review E</i> , <b>2007</b> , 75, 011801	2.4	41
33	Novel defect structures in nematic liquid crystal shells. <i>Physical Review Letters</i> , <b>2007</b> , 99, 157801	7.4	185
32	Coaxial Electrospinning for Nanostructured Advanced Materials. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 948, 1		2
31	Particle migration induced by confinement of colloidal suspensions along the gravitational direction. <i>Physical Review E</i> , <b>2006</b> , 74, 051404	2.4	3
30	Polarization dependent Bragg diffraction and electro-optic switching of three-dimensional assemblies of nematic liquid crystal droplets. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 121911	3.4	16
29	Engineering colloids with optical and geometrical anisotropies: de-coupling size monodispersity and particle properties. <i>Soft Matter</i> , <b>2006</b> , 2, 105-108	3.6	18
28	Thermal control over the electrophoresis of soft colloidal particles. <i>Langmuir</i> , <b>2006</b> , 22, 3586-90	4	35
27	Effect of added free polymer on the swelling of neutral microgel particles: a thermodynamic approach. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 12721-7	3.4	24
26	Swelling kinetics of poly(N-isopropylacrylamide) minigels. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25729-33	3.4	33
25	Electrophoresis of ionic microgel particles: from charged hard spheres to polyelectrolyte-like behavior. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 84702	3.9	34
24	Dynamic light scattering from high molecular weight poly-L-lysine molecules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 270-271, 335-339	5.1	17
23	Optically Anisotropic Colloids of Controllable Shape. <i>Advanced Materials</i> , <b>2005</b> , 17, 680-684	2.4	72
22	Ionic correlations in highly charge-asymmetric colloidal liquids. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 054905	3.9	14
21	Electrophoresis of large polyelectrolyte-coated colloidal particles. <i>Physical Review E</i> , <b>2005</b> , 71, 042401	2.4	6
20	The reconstruction of optical angular momentum after distortion in amplitude, phase and polarization. <i>Journal of Optics</i> , <b>2004</b> , 6, S235-S238		25

19	Electro-optics of bipolar nematic liquid crystal droplets. <i>Physical Review Letters</i> , <b>2004</b> , 92, 105503	7.4	52
18	Static light scattering from microgel particles: model of variable dielectric permittivity. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 374-8	3.9	31
17	Study of Microemulsion Composition Effect over Phosphorescence Emission of a Polycyclic Aromatic Compound. <i>Polycyclic Aromatic Compounds</i> , <b>2003</b> , 23, 237-248	1.3	0
16	Phase switching of ordered arrays of liquid crystal emulsions. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2610-2613	3.4	52
15	Osmotic de-swelling of ionic microgel particles. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 10383-10388	3.9	74
14	Thermodynamics of ionic microgels. <i>Physical Review E</i> , <b>2002</b> , 65, 036143	2.4	34
13	Structural modifications in the swelling of inhomogeneous microgels by light and neutron scattering. <i>Physical Review E</i> , <b>2002</b> , 66, 051803	2.4	190
12	Structural modifications in the swelling of inhomogeneous microgels by light and neutron scattering. <i>Physical Review E</i> , <b>2002</b> , 66,	2.4	1
11	Structure formation from mesoscopic soft particles. <i>Physical Review E</i> , <b>2001</b> , 64, 051603	2.4	18
10	Salt effects over the swelling of ionized mesoscopic gels. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 7644-7649	3.9	81
9	Nonlinear effects in the stability of highly charged colloidal suspensions. <i>Physical Review E</i> , <b>2001</b> , 64, 032401	2.4	4
8	Particle-counterion clustering in highly charge-asymmetric complex fluids. <i>Physical Review E</i> , <b>2001</b> , 63, 041404	2.4	15
7	Reversible Aggregation of Soft Particles. <i>Langmuir</i> , <b>2001</b> , 17, 1841-1846	4	54
6	Motion of microgel particles under an external electric field. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 3605-3614	1.8	36
5	Charge Controlled Swelling of Microgel Particles. <i>Macromolecules</i> , <b>2000</b> , 33, 2114-2118	5.5	199
4	Experimental Test of the Ion Condensation. <i>Langmuir</i> , <b>2000</b> , 16, 4090-4093	4	24
3	The role of $\zeta$ -potential in the colloidal stability of different TiO <sub>2</sub> /electrolyte solution interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 148, 231-243	5.1	44
2	Point of zero charge estimation for a TiO <sub>2</sub> /water interface <b>1998</b> , 21-24		20

- 1 The TiO<sub>2</sub>/Electrolyte Solution Interface: Calculation of  $\Delta\Phi$  Potential Using Non-Equilibrium Theories. *Journal of Non-Equilibrium Thermodynamics*, **1998**, 23, 3.8 6