

# David A Weitz

## List of Publications by Citations

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426  
papers

52,451  
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112  
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223  
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461  
ext. papers

60,539  
ext. citations

10.6  
avg, IF

7.81  
L-index

#	Paper	IF	Citations
426	Highly Parallel Genome-wide Expression Profiling of Individual Cells Using Nanoliter Droplets. <i>Cell</i> , <b>2015</b> , 161, 1202-1214	56.2	3873
425	Droplet barcoding for single-cell transcriptomics applied to embryonic stem cells. <i>Cell</i> , <b>2015</b> , 161, 1187-1201	56.2	1983
424	Colloidosomes: selectively permeable capsules composed of colloidal particles. <i>Science</i> , <b>2002</b> , 298, 1006-9	33.3	1769
423	Monodisperse double emulsions generated from a microcapillary device. <i>Science</i> , <b>2005</b> , 308, 537-41	33.3	1687
422	Three-dimensional direct imaging of structural relaxation near the colloidal glass transition. <i>Science</i> , <b>2000</b> , 287, 627-31	33.3	1470
421	Elastic behavior of cross-linked and bundled actin networks. <i>Science</i> , <b>2004</b> , 304, 1301-5	33.3	933
420	Eutectic Gallium-Indium (EGaIn): A Liquid Metal Alloy for the Formation of Stable Structures in Microchannels at Room Temperature. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1097-1104	15.6	927
419	Geometrically mediated breakup of drops in microfluidic devices. <i>Physical Review Letters</i> , <b>2004</b> , 92, 054504	9.4	859
418	Single-cell analysis and sorting using droplet-based microfluidics. <i>Nature Protocols</i> , <b>2013</b> , 8, 870-91	18.8	834
417	Real-space imaging of nucleation and growth in colloidal crystallization. <i>Science</i> , <b>2001</b> , 292, 258-62	33.3	831
416	Ultrahigh-throughput screening in drop-based microfluidics for directed evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4004-9	11.5	817
415	Physical forces during collective cell migration. <i>Nature Physics</i> , <b>2009</b> , 5, 426-430	16.2	760
414	Droplet microfluidics for high-throughput biological assays. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2146-55	7.2	705
413	Gelation of particles with short-range attraction. <i>Nature</i> , <b>2008</b> , 453, 499-503	50.4	700
412	Fluorescence-activated droplet sorting (FADS): efficient microfluidic cell sorting based on enzymatic activity. <i>Lab on A Chip</i> , <b>2009</b> , 9, 1850-8	7.2	648
411	Dripping to jetting transitions in coflowing liquid streams. <i>Physical Review Letters</i> , <b>2007</b> , 99, 094502	7.4	621
410	Droplet-based microfluidic platforms for the encapsulation and screening of Mammalian cells and multicellular organisms. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 427-37		555

409	Controllable monodisperse multiple emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8970-4	16.4	552
408	Single-cell CHIP-seq reveals cell subpopulations defined by chromatin state. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 1165-72	44.5	551
407	Designer emulsions using microfluidics. <i>Materials Today</i> , <b>2008</b> , 11, 18-27	21.8	544
406	Electric control of droplets in microfluidic devices. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2556-60	16.4	540
405	Massively parallel single-nucleus RNA-seq with DroNc-seq. <i>Nature Methods</i> , <b>2017</b> , 14, 955-958	21.6	525
404	Biocompatible surfactants for water-in-fluorocarbon emulsions. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1632-9	7.2	508
403	Monodisperse Emulsion Generation via Drop Break Off in a Coflowing Stream. <i>Langmuir</i> , <b>2000</b> , 16, 347-351	4.1	508
402	Two-point microrheology of inhomogeneous soft materials. <i>Physical Review Letters</i> , <b>2000</b> , 85, 888-91	7.4	507
401	Structural rearrangements that govern flow in colloidal glasses. <i>Science</i> , <b>2007</b> , 318, 1895-9	33.3	437
400	Drop-based microfluidic devices for encapsulation of single cells. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1110-5	7.2	409
399	Production of Unilamellar Vesicles Using an Inverted Emulsion. <i>Langmuir</i> , <b>2003</b> , 19, 2870-2879	4	402
398	Controlled encapsulation of single-cells into monodisperse picolitre drops. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1262-4	7.2	386
397	Synthesis of nonspherical colloidal particles with anisotropic properties. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14374-7	16.4	374
396	Engineering asymmetric vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 10718-21	11.5	358
395	The cell as a material. <i>Current Opinion in Cell Biology</i> , <b>2007</b> , 19, 101-7	9	353
394	Microfluidic fabrication of monodisperse biocompatible and biodegradable polymersomes with controlled permeability. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9543-9	16.4	352
393	Dielectrophoretic manipulation of drops for high-speed microfluidic sorting devices. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 024104	3.4	346
392	High-throughput injection with microfluidics using picoinjectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19163-6	11.5	344

391	Probing the stochastic, motor-driven properties of the cytoplasm using force spectrum microscopy. <i>Cell</i> , <b>2014</b> , 158, 822-832	56.2	339
390	Microfluidic synthesis of advanced microparticles for encapsulation and controlled release. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2135-45	7.2	292
389	Scaling of the viscoelasticity of weakly attractive particles. <i>Physical Review Letters</i> , <b>2000</b> , 85, 449-52	7.4	292
388	Double Emulsion-Templated Nanoparticle Colloidosomes with Selective Permeability. <i>Advanced Materials</i> , <b>2008</b> , 20, 3498-3503	24	280
387	Surface acoustic wave actuated cell sorting (SAWACS). <i>Lab on A Chip</i> , <b>2010</b> , 10, 789-94	7.2	269
386	Dripping, Jetting, Drops, and Wetting: The Magic of Microfluidics. <i>MRS Bulletin</i> , <b>2007</b> , 32, 702-708	3.2	265
385	Surface acoustic wave (SAW) directed droplet flow in microfluidics for PDMS devices. <i>Lab on A Chip</i> , <b>2009</b> , 9, 2625-7	7.2	258
384	Quantifying cell-generated mechanical forces within living embryonic tissues. <i>Nature Methods</i> , <b>2014</b> , 11, 183-9	21.6	257
383	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
382	Charge stabilization in nonpolar solvents. <i>Langmuir</i> , <b>2005</b> , 21, 4881-7	4	252
381	Microfluidic fabrication of microparticles for biomedical applications. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 5646-5683	58.5	251
380	Microfluidic high-throughput culturing of single cells for selection based on extracellular metabolite production or consumption. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 473-8	44.5	247
379	Colloid Surfactants for Emulsion Stabilization. <i>Advanced Materials</i> , <b>2008</b> , 20, 3239-3243	24	246
378	Electrocoalescence of drops synchronized by size-dependent flow in microfluidic channels. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 264105	3.4	241
377	High-order multiple emulsions formed in poly(dimethylsiloxane) microfluidics. <i>Small</i> , <b>2009</b> , 5, 2030-2	11	240
376	Microfluidic assembly of homogeneous and Janus colloid-filled hydrogel granules. <i>Langmuir</i> , <b>2006</b> , 22, 8618-22	4	236
375	Glass coating for PDMS microfluidic channels by sol-gel methods. <i>Lab on A Chip</i> , <b>2008</b> , 8, 516-8	7.2	235
374	Investigating the microenvironments of inhomogeneous soft materials with multiple particle tracking. <i>Physical Review E</i> , <b>2001</b> , 64, 061506	2.4	228

373	Injectable Stem Cell-Laden Photocrosslinkable Microspheres Fabricated Using Microfluidics for Rapid Generation of Osteogenic Tissue Constructs. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2809-2819	15.6	222
372	Clonal evolution in patients with chronic lymphocytic leukaemia developing resistance to BTK inhibition. <i>Nature Communications</i> , <b>2016</b> , 7, 11589	17.4	220
371	Multicompartment polymersomes from double emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1648-51	16.4	218
370	Stress controls the mechanics of collagen networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9573-8	11.5	216
369	Nuclear envelope composition determines the ability of neutrophil-type cells to passage through micron-scale constrictions. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 8610-8618	5.4	216
368	Cell volume change through water efflux impacts cell stiffness and stem cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8618-E8627	11.5	215
367	Microfluidic generation of multifunctional quantum dot barcode particles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8790-3	16.4	214
366	Microfluidic Generation of Monodisperse, Structurally Homogeneous Alginate Microgels for Cell Encapsulation and 3D Cell Culture. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1628-33	10.1	208
365	Three-dimensional confocal microscopy of colloids. <i>Applied Optics</i> , <b>2001</b> , 40, 4152-9	1.7	206
364	Droplet microfluidics: A tool for biology, chemistry and nanotechnology. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 82, 118-125	14.6	206
363	High throughput production of single core double emulsions in a parallelized microfluidic device. <i>Lab on A Chip</i> , <b>2012</b> , 12, 802-7	7.2	205
362	Tough Self-Healing Elastomers by Molecular Enforced Integration of Covalent and Reversible Networks. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702616	24	204
361	Uniform Nonspherical Colloidal Particles with Tunable Shapes. <i>Advanced Materials</i> , <b>2007</b> , 19, 2005-2009	24	203
360	Sorting drops and cells with acoustics: acoustic microfluidic fluorescence-activated cell sorter. <i>Lab on A Chip</i> , <b>2014</b> , 14, 3710-8	7.2	201
359	Deterministic encapsulation of single cells in thin tunable microgels for niche modelling and therapeutic delivery. <i>Nature Materials</i> , <b>2017</b> , 16, 236-243	27	199
358	Multiple polymersomes for programmed release of multiple components. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15165-71	16.4	199
357	Scaling by shrinking: empowering single-cell QmicsQwith microfluidic devices. <i>Nature Reviews Genetics</i> , <b>2017</b> , 18, 345-361	30.1	198
356	High-yield cell ordering and deterministic cell-in-droplet encapsulation using Dean flow in a curved microchannel. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2881-7	7.2	193

355	Double-emulsion drops with ultra-thin shells for capsule templates. <i>Lab on A Chip</i> , <b>2011</b> , 11, 3162-6	7.2	193
354	Janus particles templated from double emulsion droplets generated using microfluidics. <i>Langmuir</i> , <b>2009</b> , 25, 4320-3	4	192
353	Droplet microfluidics for fabrication of non-spherical particles. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 108-18	4.8	192
352	Color from hierarchy: Diverse optical properties of micron-sized spherical colloidal assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 10845-50	11.5	191
351	Controlled synthesis of cell-laden microgels by radical-free gelation in droplet microfluidics. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4983-9	16.4	186
350	Novel defect structures in nematic liquid crystal shells. <i>Physical Review Letters</i> , <b>2007</b> , 99, 157801	7.4	185
349	Nanoparticle imaging. 3D structure of individual nanocrystals in solution by electron microscopy. <i>Science</i> , <b>2015</b> , 349, 290-5	33.3	183
348	Fluids of clusters in attractive colloids. <i>Physical Review Letters</i> , <b>2006</b> , 96, 028306	7.4	183
347	The role of vimentin intermediate filaments in cortical and cytoplasmic mechanics. <i>Biophysical Journal</i> , <b>2013</b> , 105, 1562-8	2.9	182
346	25th anniversary article: double emulsion templated solid microcapsules: mechanics and controlled release. <i>Advanced Materials</i> , <b>2014</b> , 26, 2205-18	24	180
345	Colloidal Particles: Crystals, Glasses, and Gels. <i>Annual Review of Condensed Matter Physics</i> , <b>2013</b> , 4, 217-237	23.7	179
344	Controllable microfluidic production of multicomponent multiple emulsions. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1587-92	7.2	171
343	Relating microstructure to rheology of a bundled and cross-linked F-actin network in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9636-41	11.5	169
342	Smart microgel capsules from macromolecular precursors. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6606-9	16.4	160
341	Fabrication of monodisperse thermosensitive microgels and gel capsules in microfluidic devices. <i>Soft Matter</i> , <b>2008</b> , 4, 2303	3.6	159
340	Protein expression, aggregation, and triggered release from polymersomes as artificial cell-like structures. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6416-20	16.4	145
339	Janus Supraparticles by Induced Phase Separation of Nanoparticles in Droplets. <i>Advanced Materials</i> , <b>2009</b> , 21, 1949-1953	24	143
338	Biodegradable core-shell carriers for simultaneous encapsulation of synergistic actives. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7933-7	16.4	142

337	Dewetting instability during the formation of polymersomes from block-copolymer-stabilized double emulsions. <i>Langmuir</i> , <b>2006</b> , 22, 4457-61	4	140
336	Scaling of F-actin network rheology to probe single filament elasticity and dynamics. <i>Physical Review Letters</i> , <b>2004</b> , 93, 188102	7.4	140
335	One step formation of controllable complex emulsions: from functional particles to simultaneous encapsulation of hydrophilic and hydrophobic agents into desired position. <i>Advanced Materials</i> , <b>2013</b> , 25, 2536-41	24	137
334	Amphiphilic crescent-moon-shaped microparticles formed by selective adsorption of colloids. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5516-24	16.4	135
333	Beating Poisson encapsulation statistics using close-packed ordering. <i>Lab on A Chip</i> , <b>2009</b> , 9, 2628-31	7.2	134
332	Nonequilibrium microtubule fluctuations in a model cytoskeleton. <i>Physical Review Letters</i> , <b>2008</b> , 100, 118104	7.4	134
331	Controlled assembly of heterotypic cells in a core-shell scaffold: organ in a droplet. <i>Lab on A Chip</i> , <b>2016</b> , 16, 1346-9	7.2	132
330	Polymer microcapsules with programmable active release. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7744-50	16.4	132
329	Bioinspired graphene membrane with temperature tunable channels for water gating and molecular separation. <i>Nature Communications</i> , <b>2017</b> , 8, 2011	17.4	130
328	Ultrathin shell double emulsion templated giant unilamellar lipid vesicles with controlled microdomain formation. <i>Small</i> , <b>2014</b> , 10, 950-6	11	130
327	An Intestinal Organ Culture System Uncovers a Role for the Nervous System in Microbe-Immune Crosstalk. <i>Cell</i> , <b>2017</b> , 168, 1135-1148.e12	56.2	127
326	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , <b>2014</b> , 5, 3068	17.4	126
325	Massively parallel sequencing of single cells by epicPCR links functional genes with phylogenetic markers. <i>ISME Journal</i> , <b>2016</b> , 10, 427-36	11.9	125
324	MAFG-driven astrocytes promote CNS inflammation. <i>Nature</i> , <b>2020</b> , 578, 593-599	50.4	125
323	Robust scalable high throughput production of monodisperse drops. <i>Lab on A Chip</i> , <b>2016</b> , 16, 4163-4172	7.2	125
322	Photo- and thermoresponsive polymersomes for triggered release. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12499-503	16.4	124
321	Monodisperse Thermoresponsive Microgels with Tunable Volume-Phase Transition Kinetics. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3499-3504	15.6	124
320	Photoresponsive Monodisperse Cholesteric Liquid Crystalline Microshells for Tunable Omnidirectional Lasing Enabled by a Visible Light-Driven Chiral Molecular Switch. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 845-848	8.1	116



319	Microfluidic melt emulsification for encapsulation and release of actives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3411-6	9.5	116
318	Cross-kingdom chemical communication drives a heritable, mutually beneficial prion-based transformation of metabolism. <i>Cell</i> , <b>2014</b> , 158, 1083-1093	56.2	115
317	Intermediate filament mechanics in vitro and in the cell: from coiled coils to filaments, fibers and networks. <i>Current Opinion in Cell Biology</i> , <b>2015</b> , 32, 82-91	9	114
316	PHYSICS. Packing in the spheres. <i>Science</i> , <b>2004</b> , 303, 968-9	33.3	114
315	Delayed buckling and guided folding of inhomogeneous capsules. <i>Physical Review Letters</i> , <b>2012</b> , 109, 134302	7.4	112
314	Spatial fluctuations of fluid velocities in flow through a three-dimensional porous medium. <i>Physical Review Letters</i> , <b>2013</b> , 111, 064501	7.4	110
313	Single step emulsification for the generation of multi-component double emulsions. <i>Soft Matter</i> , <b>2012</b> , 8, 10719	3.6	110
312	The micromechanics of three-dimensional collagen-I gels. <i>Complexity</i> , <b>2011</b> , 16, 22-28	1.6	110
311	Soft Poly(dimethylsiloxane) Elastomers from Architecture-Driven Entanglement Free Design. <i>Advanced Materials</i> , <b>2015</b> , 27, 5132-40	24	107
310	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. <i>Nano Letters</i> , <b>2017</b> , 17, 606-614	11.5	106
309	Geometric constraints during epithelial jamming. <i>Nature Physics</i> , <b>2018</b> , 14, 613-620	16.2	106
308	One-step emulsification of multiple concentric shells with capillary microfluidic devices. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8731-4	16.4	105
307	Gel-immobilized colloidal crystal shell with enhanced thermal sensitivity at photonic wavelengths. <i>Advanced Materials</i> , <b>2010</b> , 22, 4998-5002	24	105
306	An RNA-based signature enables high specificity detection of circulating tumor cells in hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1123-1128	11.5	104
305	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2017</b> , 9,	10.2	103
304	Visualizing multiphase flow and trapped fluid configurations in a model three-dimensional porous medium. <i>AIChE Journal</i> , <b>2013</b> , 59, 1022-1029	3.6	103
303	Fabrication of tunable spherical colloidal crystals immobilized in soft hydrogels. <i>Small</i> , <b>2010</b> , 6, 807-10	11	103
302	A model for velocity fluctuations in sedimentation. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 501, 71-104	3.7	103



301	Encapsulation and Enhanced Retention of Fragrance in Polymer Microcapsules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4007-13	9.5	101
300	Axial and lateral particle ordering in finite Reynolds number channel flows. <i>Physics of Fluids</i> , <b>2010</b> , 22, 081703	4.4	99
299	Photoreactive coating for high-contrast spatial patterning of microfluidic device wettability. <i>Lab on A Chip</i> , <b>2008</b> , 8, 2157-60	7.2	99
298	NANOPARTICLES. Production of amorphous nanoparticles by supersonic spray-drying with a microfluidic nebulator. <i>Science</i> , <b>2015</b> , 349, 956-60	33.3	98
297	Does size matter? Elasticity of compressed suspensions of colloidal- and granular-scale microgels. <i>Soft Matter</i> , <b>2012</b> , 8, 156-164	3.6	98
296	Microfluidic sorting with high-speed single-layer membrane valves. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 203509	3.4	98
295	Patterning microfluidic device wettability using flow confinement. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1774-6	7.2	98
294	Inhibition of Multidrug Resistance of Cancer Cells by Co-Delivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3330-3340	15.6	97
293	Protein microgels from amyloid fibril networks. <i>ACS Nano</i> , <b>2015</b> , 9, 43-51	16.7	94
292	Impact of inlet channel geometry on microfluidic drop formation. <i>Physical Review E</i> , <b>2009</b> , 80, 026310	2.4	93
291	One-step generation of cell-laden microgels using double emulsion drops with a sacrificial ultra-thin oil shell. <i>Lab on A Chip</i> , <b>2016</b> , 16, 1549-55	7.2	91
290	Mobilization of a trapped non-wetting fluid from a three-dimensional porous medium. <i>Physics of Fluids</i> , <b>2014</b> , 26, 022002	4.4	89
289	Viscoelastic Properties of Microtubule Networks. <i>Macromolecules</i> , <b>2007</b> , 40, 7714-7720	5.5	89
288	A new device for the generation of microbubbles. <i>Physics of Fluids</i> , <b>2004</b> , 16, 2828-2834	4.4	89
287	Microfluidic Model Porous Media: Fabrication and Applications. <i>Small</i> , <b>2018</b> , 14, e1703575	11	88
286	Novel surface acoustic wave (SAW)-driven closed PDMS flow chamber. <i>Microfluidics and Nanofluidics</i> , <b>2012</b> , 12, 229-235	2.8	88
285	A microfluidic approach to encapsulate living cells in uniform alginate hydrogel microparticles. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 946-51	5.5	86
284	Capillary micromechanics: Measuring the elasticity of microscopic soft objects. <i>Soft Matter</i> , <b>2010</b> , 6, 4550.6	5.6	84

283	Janus microgels produced from functional precursor polymers. <i>Langmuir</i> , <b>2010</b> , 26, 14842-7	4	83
282	High-Throughput Step Emulsification for the Production of Functional Materials Using a Glass Microfluidic Device. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600472	2.6	77
281	Drop formation in non-planar microfluidic devices. <i>Lab on A Chip</i> , <b>2012</b> , 12, 4263-8	7.2	77
280	Multicompartment Polymersomes from Double Emulsions. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1686-1689	3.6	77
279	Measurement of nonlinear rheology of cross-linked biopolymer gels. <i>Soft Matter</i> , <b>2010</b> , 6, 4120	3.6	76
278	Alpha-actinin binding kinetics modulate cellular dynamics and force generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6619-24	11.5	73
277	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15392-15397	11.5	73
276	Stimuli-Responsive CoreShell Microcapsules with Tunable Rates of Release by Using a Depolymerizable Poly(phthalaldehyde) Membrane. <i>Macromolecules</i> , <b>2013</b> , 46, 3309-3313	5.5	72
275	Optically Anisotropic Colloids of Controllable Shape. <i>Advanced Materials</i> , <b>2005</b> , 17, 680-684	24	72
274	Structures, stresses, and fluctuations in the delayed failure of colloidal gels. <i>Soft Matter</i> , <b>2012</b> , 8, 3657	3.6	71
273	Dewetting-induced membrane formation by adhesion of amphiphile-laden interfaces. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4420-6	16.4	71
272	Characterizing concentrated, multiply scattering, and actively driven fluorescent systems with confocal differential dynamic microscopy. <i>Physical Review Letters</i> , <b>2012</b> , 108, 218103	7.4	71
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