

# David A Weitz

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/803260/david-a-weitz-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

426  
papers

52,451  
citations

112  
h-index

223  
g-index

461  
ext. papers

60,539  
ext. citations

10.6  
avg, IF

7.81  
L-index

#	Paper	IF	Citations
4 <sup>26</sup>	Regulation of cell attachment, spreading, and migration by hydrogel substrates with independently tunable mesh size.. <i>Acta Biomaterialia</i> , <b>2022</b> , 141, 178-178	10.8	0
4 <sup>25</sup>	An outlook on microfluidics: the promise and the challenge.. <i>Lab on A Chip</i> , <b>2022</b> ,	7.2	8
4 <sup>24</sup>	The correlation between cell and nucleus size is explained by an eukaryotic cell growth model.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1009400	5	2
4 <sup>23</sup>	Nonlinear Phenomena in Microfluidics.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	5
4 <sup>22</sup>	Vimentin intermediate filaments and filamentous actin form unexpected interpenetrating networks that redefine the cell cortex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2115217119	11.5	5
4 <sup>21</sup>	Micro-ecology restoration of colonic inflammation by in-Situ oral delivery of antibody-laden hydrogel microcapsules.. <i>Bioactive Materials</i> , <b>2022</b> , 15, 305-315	16.7	0
4 <sup>20</sup>	Correlation Tracking: Using simulations to interpolate highly correlated particle tracks.. <i>Physical Review E</i> , <b>2022</b> , 105, 044608	2.4	
4 <sup>19</sup>	Advanced microfluidic devices for fabricating multi-structural hydrogel microsphere. <i>Exploration</i> , <b>2021</b> , 1, 20210036		4
4 <sup>18</sup>	Digital Microfluidic Thermal Control Chip-Based Multichannel Immunosensor for Noninvasively Detecting Acute Myocardial Infarction. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 15033-15041	7.8	3
4 <sup>17</sup>	Programmable microbial ink for 3D printing of living materials produced from genetically engineered protein nanofibers. <i>Nature Communications</i> , <b>2021</b> , 12, 6600	17.4	10
4 <sup>16</sup>	Synthesis of nanomedicine hydrogel microcapsules by droplet microfluidic process and their pH and temperature dependent release.. <i>RSC Advances</i> , <b>2021</b> , 11, 37814-37823	3.7	5
4 <sup>15</sup>	Microfluidic Fabrication of Phase-Inverted Microcapsules with Asymmetric Shell Membranes with Graded Porosity.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 116-121	6.6	3
4 <sup>14</sup>	Sequencing-Based Protein Analysis of Single Extracellular Vesicles. <i>ACS Nano</i> , <b>2021</b> , 15, 5631-5638	16.7	15
4 <sup>13</sup>	Implications of Quenching-to-Dequenching Switch in Quantitative Cell Uptake and Biodistribution of Dye-Labeled Nanoparticles. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15554-15563	3.6	1
4 <sup>12</sup>	Implications of Quenching-to-Dequenching Switch in Quantitative Cell Uptake and Biodistribution of Dye-Labeled Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15426-15435	16.4	6
4 <sup>11</sup>	Hydrogel Microcapsules: Hydrogel Microcapsules with a Thin Oil Layer: Smart Triggered Release via Diverse Stimuli (Adv. Funct. Mater. 18/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170124	15.6	
4 <sup>10</sup>	Pickering emulsions stabilized by colloidal surfactants: Role of solid particles. <i>Particuology</i> , <b>2021</b> , 64, 153-153	2.8	9

409	Attractive Pickering Emulsion Gels. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102362	24	14
408	Initial growth dynamics of 10 nm nanobubbles in the graphene liquid cell. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 11, 1-7	3.3	9
407	A New Ensemble Machine-Learning Framework for Searching Sweet Spots in Shale Reservoirs. <i>SPE Journal</i> , <b>2021</b> , 26, 482-497	3.1	22
406	Diverse Particle Carriers Prepared by Co-Precipitation and Phase Separation: Formation and Applications. <i>ChemPlusChem</i> , <b>2021</b> , 86, 49-58	2.8	10
405	Hydrogel Microcapsules with a Thin Oil Layer: Smart Triggered Release via Diverse Stimuli. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009553	15.6	8
404	The vortex-driven dynamics of droplets within droplets. <i>Nature Communications</i> , <b>2021</b> , 12, 82	17.4	11
403	Linear triglycerol-based fluorosurfactants show high potential for droplet-microfluidics-based biochemical assays. <i>Soft Matter</i> , <b>2021</b> , 17, 7260-7267	3.6	2
402	Single-Cell Transcriptomics Reveals a Heterogeneous Cellular Response to BK Virus Infection. <i>Journal of Virology</i> , <b>2021</b> , 95,	6.6	2
401	Ordered Mesoporous Microcapsules from Double Emulsion Confined Block Copolymer Self-Assembly. <i>ACS Nano</i> , <b>2021</b> , 15, 3490-3499	16.7	11
400	Anomalous mechanics of Zn-modified fibrin networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
399	Programmable Engineering of DNA-AuNP Encoders Integrated Multimodal Coupled Analysis for Precision Discrimination of Multiple Metal Ions. <i>Nano Letters</i> , <b>2021</b> , 21, 2141-2148	11.5	6
398	Dynamic Speckle Holography. <i>Physical Review Letters</i> , <b>2021</b> , 127, 088003	7.4	1
397	Emulsion Designer Using Microfluidic Three-Dimensional Droplet Printing in Droplet. <i>Small</i> , <b>2021</b> , 17, e2102579	11	7
396	Tumorigenic mesenchymal clusters are less sensitive to moderate osmotic stresses due to low amounts of junctional E-cadherin. <i>Scientific Reports</i> , <b>2021</b> , 11, 16279	4.9	3
395	Effects of Vimentin Intermediate Filaments on the Structure and Dynamics of In Vitro Multicomponent Interpenetrating Cytoskeletal Networks. <i>Physical Review Letters</i> , <b>2021</b> , 127, 108101	7.4	7
394	Millifluidics, microfluidics, and nanofluidics: manipulating fluids at varying length scales. <i>Materials Today Nano</i> , <b>2021</b> , 16, 100136	9.7	7
393	Microchannel measurements of viscosity for both gases and liquids. <i>Lab on A Chip</i> , <b>2021</b> , 21, 2805-2811	7.2	3
392	Microfluidic Synthesis of Multimode [email protected] Nanomedicines and Their Cytotoxicity and Anti-Tumor Effects. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5044-5056	9.6	10

391	Continuous microfluidic encapsulation of single mesenchymal stem cells using alginate microgels as injectable fillers for bone regeneration. <i>Acta Biomaterialia</i> , <b>2020</b> , 111, 181-196	10.8	23
390	A High-Throughput Screening System Based on Droplet Microfluidics for Glucose Oxidase Gene Libraries. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
389	Active Encapsulation in Biocompatible Nanocapsules. <i>Small</i> , <b>2020</b> , 16, e2002716	11	21
388	Droplet encapsulation improves accuracy of immune cell cytokine capture assays. <i>Lab on A Chip</i> , <b>2020</b> , 20, 1513-1520	7.2	13
387	Stimuli responsive Janus microgels with convertible hydrophilicity for controlled emulsion destabilization. <i>Soft Matter</i> , <b>2020</b> , 16, 3613-3620	3.6	11
386	Single Extracellular Vesicle Protein Analysis Using Immuno-Droplet Digital Polymerase Chain Reaction Amplification. <i>Advanced Biology</i> , <b>2020</b> , 4, e1900307	3.5	20
385	Absorbent-Adsorbates: Large Amphiphilic Janus Microgels as Droplet Stabilizers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33439-33446	9.5	11
384	Effect of Divalent Cations on the Structure and Mechanics of Vimentin Intermediate Filaments. <i>Biophysical Journal</i> , <b>2020</b> , 119, 55-64	2.9	13
383	Single Molecule Protein Detection with Attomolar Sensitivity Using Droplet Digital Enzyme-Linked Immunosorbent Assay. <i>ACS Nano</i> , <b>2020</b> , 14, 9491-9501	16.7	42
382	Core-Shell Nanohydrogels with Programmable Swelling for Conformance Control in Porous Media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34217-34225	9.5	6
381	Dissolvable Polyacrylamide Beads for High-Throughput Droplet DNA Barcoding. <i>Advanced Science</i> , <b>2020</b> , 7, 1903463	13.6	10
380	Nanoparticle-Shelled Catalytic Bubble Micromotor. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901583	4.6	18
379	Stable Polymer Nanoparticles with Exceptionally High Drug Loading by Sequential Nanoprecipitation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4750-4758	3.6	20
378	Stable Polymer Nanoparticles with Exceptionally High Drug Loading by Sequential Nanoprecipitation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4720-4728	16.4	52
377	Novel nonequilibrium steady states in multiple emulsions. <i>Physics of Fluids</i> , <b>2020</b> , 32, 017102	4.4	16
376	Decoupling the effects of nanopore size and surface roughness on the attachment, spreading and differentiation of bone marrow-derived stem cells. <i>Biomaterials</i> , <b>2020</b> , 248, 120014	15.6	27
375	Origin of anomalous polymer-induced fluid displacement in porous media. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	11
374	Propagation and adsorption of nanoparticles in porous medium as traveling waves. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	2

373	MAFG-driven astrocytes promote CNS inflammation. <i>Nature</i> , <b>2020</b> , 578, 593-599	50.4	125
372	Microfluidics-Assisted Assembly of Injectable Photonic Hydrogels toward Reflective Cooling. <i>Small</i> , <b>2020</b> , 16, e1903939	11	36
371	Hydrogel microcapsules with photocatalytic nanoparticles for removal of organic pollutants. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 656-664	7.1	27
370	DNAzyme-powered nucleic acid release from solid supports. <i>Chemical Communications</i> , <b>2020</b> , 56, 647-659	9.8	3
369	Parallelizable microfluidic dropmakers with multilayer geometry for the generation of double emulsions. <i>Lab on A Chip</i> , <b>2020</b> , 20, 147-154	7.2	23
368	Rock damage evolution model of pulsating fracturing based on energy evolution theory. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 1050-1067	3.4	6
367	Spontaneous Creation of Anisotropic Polymer Crystals with Orientation-Sensitive Birefringence in Liquid Drops. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3912-3918	9.5	1
366	Observations of 3 nm Silk Nanofibrils Exfoliated from Natural Silkworm Silk Fibers <b>2020</b> , 2, 153-160		14
365	Stiffness of the interface between a colloidal body-centered cubic crystal and its liquid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 25225-25229	11.5	3
364	Tunable Nanochannels Connected in Series for Dynamic Control of Multiple Concentration-Polarization Layers and Preconcentrated Molecule Plugs. <i>Nano Letters</i> , <b>2020</b> , 20, 8524-8533	11.5	3
363	J-Aggregate-Based FRET Monitoring of Drug Release from Polymer Nanoparticles with High Drug Loading. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20240-20249	3.6	7
362	Rapid isolation of antigen-specific B-cells using droplet microfluidics.. <i>RSC Advances</i> , <b>2020</b> , 10, 27006-27013	13	14
361	J-Aggregate-Based FRET Monitoring of Drug Release from Polymer Nanoparticles with High Drug Loading. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20065-20074	16.4	23
360	Selective cell encapsulation, lysis, pico-injection and size-controlled droplet generation using traveling surface acoustic waves in a microfluidic device. <i>Lab on A Chip</i> , <b>2020</b> , 20, 3914-3921	7.2	9
359	Universal Statistical Laws for the Velocities of Collective Migrating Cells. <i>Advanced Biology</i> , <b>2020</b> , 4, e200065	6.5	6
358	A general strategy for one-step fabrication of biocompatible microcapsules with controlled active release. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 249-252	8.1	20
357	Controllable Fabrication of Inhomogeneous Microcapsules for Triggered Release by Osmotic Pressure. <i>Small</i> , <b>2019</b> , 15, e1903087	11	12
356	Dendronized fluorosurfactant for highly stable water-in-fluorinated oil emulsions with minimal inter-droplet transfer of small molecules. <i>Nature Communications</i> , <b>2019</b> , 10, 4546	17.4	52

355	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , <b>2019</b> , 19, 749-756	7.2	25
354	Probe Sensitivity to Cortical versus Intracellular Cytoskeletal Network Stiffness. <i>Biophysical Journal</i> , <b>2019</b> , 116, 518-529	2.9	26
353	A simple mix-and-read bacteria detection system based on a DNAzyme and a molecular beacon. <i>Chemical Communications</i> , <b>2019</b> , 55, 7358-7361	5.8	10
352	Transparent Impact-Resistant Composite Films with Bioinspired Hierarchical Structure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23616-23622	9.5	28
351	Water-Triggered Rapid Release of Biocide with Enhanced Antimicrobial Activity in Biodiesel. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1900156	3.9	3
350	Traveling surface acoustic wave (TSAW) microfluidic fluorescence activated cell sorter (FACS). <i>Lab on A Chip</i> , <b>2019</b> , 19, 2435-2443	7.2	33
349	Controlled co-precipitation of biocompatible colorant-loaded nanoparticles by microfluidics for natural color drinks. <i>Lab on A Chip</i> , <b>2019</b> , 19, 2089-2095	7.2	35
348	Millimeter-Size Pickering Emulsions Stabilized with Janus Microparticles. <i>Langmuir</i> , <b>2019</b> , 35, 4693-4701	4	36
347	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7744-7749	11.5	58
346	Preparation of monodisperse hybrid gel particles with various morphologies via flow rate and temperature control. <i>Soft Matter</i> , <b>2019</b> , 15, 6934-6937	3.6	9
345	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
344	Compression Generated by a 3D Supracellular Actomyosin Cortex Promotes Embryonic Stem Cell Colony Growth and Expression of Nanog and Oct4. <i>Cell Systems</i> , <b>2019</b> , 9, 214-220.e5	10.6	12
343	Self-Limited Accumulation of Colloids in Porous Media. <i>Physical Review Letters</i> , <b>2019</b> , 123, 158005	7.4	17
342	Jetting to dripping transition: Critical aspect ratio in step emulsifiers. <i>Physics of Fluids</i> , <b>2019</b> , 31, 021703	4.4	14
341	Hydrogel micromotors with catalyst-containing liquid core and shell. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 214004	1.8	19
340	Rapid additive-free bacteria lysis using traveling surface acoustic waves in microfluidic channels. <i>Lab on A Chip</i> , <b>2019</b> , 19, 4064-4070	7.2	10
339	Reduced Graphene Oxide Membrane Induced Robust Structural Colors toward Personal Thermal Management. <i>ACS Photonics</i> , <b>2019</b> , 6, 116-122	6.3	37
338	Direct observation of crystallization and melting with colloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1180-1184	11.5	15

337	Interaction of spin-labeled HPMA-based nanoparticles with human blood plasma proteins - the introduction of protein-corona-free polymer nanomedicine. <i>Nanoscale</i> , <b>2018</b> , 10, 6194-6204	7.7	26
336	Regularized lattice Boltzmann multicomponent models for low capillary and Reynolds microfluidics flows. <i>Computers and Fluids</i> , <b>2018</b> , 167, 33-39	2.8	24
335	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. <i>Nano Letters</i> , <b>2018</b> , 18, 1448-1453	11.5	54
334	Rapid Patterning of PDMS Microfluidic Device Wettability Using Syringe-Vacuum-Induced Segmented Flow in Nonplanar Geometry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3170-3174	9.5	32
333	Stimuli-responsive dendronized polymeric hydrogels through Schiff-base chemistry showing remarkable topological effects. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 378-387	4.9	26
332	Surfactant Variations in Porous Media Localize Capillary Instabilities during Haines Jumps. <i>Physical Review Letters</i> , <b>2018</b> , 120, 028005	7.4	22
331	Microfluidic Templated Multicompartment Microgels for 3D Encapsulation and Pairing of Single Cells. <i>Small</i> , <b>2018</b> , 14, 1702955	11	63
330	Geometric constraints during epithelial jamming. <i>Nature Physics</i> , <b>2018</b> , 14, 613-620	16.2	106
329	Microfluidic Model Porous Media: Fabrication and Applications. <i>Small</i> , <b>2018</b> , 14, e1703575	11	88
328	A Versatile Strategy to Fabricate 3D Conductive Frameworks for Lithium Metal Anodes. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800807	4.6	18
327	Dynamic Microcapsules with Rapid and Reversible Permeability Switching. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803385	15.6	27
326	Hydrogel Microcapsules with Dynamic pH-Responsive Properties from Methacrylic Anhydride. <i>Macromolecules</i> , <b>2018</b> , 51, 5798-5805	5.5	31
325	Microfluidic fabrication of microparticles for biomedical applications. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 5646-5683	58.5	251
324	Elucidating the mechanism of step emulsification. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	18
323	High-throughput double emulsion-based microfluidic production of hydrogel microspheres with tunable chemical functionalities toward biomolecular conjugation. <i>Lab on A Chip</i> , <b>2018</b> , 18, 323-334	7.2	38
322	Determining the lipid specificity of insoluble protein transmembrane domains. <i>Lab on A Chip</i> , <b>2018</b> , 18, 3561-3569	7.2	1
321	Macroscopic Self-Assembly: Versatile Hydrogel Ensembles with Macroscopic Multidimensions (Adv. Mater. 52/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870400	24	2
320	Versatile Hydrogel Ensembles with Macroscopic Multidimensions. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803475	17.5	31



319	Tumor-Vasculature-on-a-Chip for Investigating Nanoparticle Extravasation and Tumor Accumulation. <i>ACS Nano</i> , <b>2018</b> , 12, 11600-11609	16.7	65
318	Wetting controls of droplet formation in step emulsification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9479-9484	11.5	41
317	Collective Shape Actuation of Polymer Double Emulsions by Solvent Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31865-31869	9.5	7
316	Tissue and cellular rigidity and mechanosensitive signaling activation in Alexander disease. <i>Nature Communications</i> , <b>2018</b> , 9, 1899	17.4	28
315	Evolution on the Biophysical Fitness Landscape of an RNA Virus. <i>Molecular Biology and Evolution</i> , <b>2018</b> , 35, 2390-2400	8.3	13
314	Functional Microcapsules via Thiol-Ene Photopolymerization in Droplet-Based Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3288-3293	9.5	37
313	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
312	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. <i>Nano Letters</i> , <b>2017</b> , 17, 606-614	11.5	106
311	Microfluidic Fabrication of Colloidal Nanomaterials-Encapsulated Microcapsules for Biomolecular Sensing. <i>Nano Letters</i> , <b>2017</b> , 17, 2015-2020	11.5	60
310	Controlled Generation of Ultrathin-Shell Double Emulsions and Studies on Their Stability. <i>ChemPhysChem</i> , <b>2017</b> , 18, 1393-1399	3.2	23
309	Sensitive and predictable separation of microfluidic droplets by size using in-line passive filter. <i>Biomicrofluidics</i> , <b>2017</b> , 11, 014114	3.2	6
308	Convection-Driven Pull-Down Assays in Nanoliter Droplets Using Scaffolded Aptamers. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3468-3473	7.8	46
307	Ultrafast Nanofiltration through Large-Area Single-Layered Graphene Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9239-9244	9.5	45
306	The microfluidic nebulator: production of sub-micrometer sized airborne drops. <i>Lab on A Chip</i> , <b>2017</b> , 17, 1475-1480	7.2	11
305	Direct Observation of Entropic Stabilization of bcc Crystals Near Melting. <i>Physical Review Letters</i> , <b>2017</b> , 118, 088003	7.4	24
304	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
303	Tandem emulsification for high-throughput production of double emulsions. <i>Lab on A Chip</i> , <b>2017</b> , 17, 936-942	7.2	46
302	Rapid Production of Submicron Drug Substance Particles by Supersonic Spray Drying. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2046-2053	3.5	8



301	Collective generation of milliemulsions by step-emulsification. <i>RSC Advances</i> , <b>2017</b> , 7, 14932-14938	3.7	18
300	Osmotic Pressure Triggered Rapid Release of Encapsulated Enzymes with Enhanced Activity. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700975	15.6	19
299	Efficient extraction of oil from droplet microfluidic emulsions. <i>Biomicrofluidics</i> , <b>2017</b> , 11, 034111	3.2	11
298	Stable, Fluorescent Polymethylmethacrylate Particles for the Long-Term Observation of Slow Colloidal Dynamics. <i>Langmuir</i> , <b>2017</b> , 33, 6382-6389	4	11
297	Reply to the Comment on "Robust scalable high throughput production of monodisperse drops" by M. Nakajima, <i>Lab Chip</i> , 2017, 17, DOI: 10.1039/C7LC00181A. <i>Lab on A Chip</i> , <b>2017</b> , 17, 2332-2333	7.2	2
296	Controlled self-assembly of alginate microgels by rapidly binding molecule pairs. <i>Lab on A Chip</i> , <b>2017</b> , 17, 2481-2490	7.2	20
295	Scaling by shrinking: empowering single-cell omics with microfluidic devices. <i>Nature Reviews Genetics</i> , <b>2017</b> , 18, 345-361	30.1	198
294	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
293	Local Pore Size Correlations Determine Flow Distributions in Porous Media. <i>Physical Review Letters</i> , <b>2017</b> , 119, 144501	7.4	45
292	Enhanced surface acoustic wave cell sorting by 3D microfluidic-chip design. <i>Lab on A Chip</i> , <b>2017</b> , 17, 4059-4069	7.4	35
291	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2017</b> , 9,	10.2	103
290	Self-Healing Materials: Tough Self-Healing Elastomers by Molecular Enforced Integration of Covalent and Reversible Networks (Adv. Mater. 38/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	1
289	Optically Reconfigurable Chiral Microspheres of Self-Organized Helical Superstructures with Handedness Inversion. <i>Materials Horizons</i> , <b>2017</b> , 4, 1190-1195	14.4	68
288	Polymer Phase Separation in a Microcapsule Shell. <i>Macromolecules</i> , <b>2017</b> , 50, 7681-7686	5.5	16
287	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
286	Axial Confocal Tomography of Capillary-Contained Colloidal Structures. <i>Langmuir</i> , <b>2017</b> , 33, 13343-13349		1
285	Robust mechanobiological behavior emerges in heterogeneous myosin systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8147-E8154	11.5	3
284	Fabrication of Calcium Phosphate-Based Nanocomposites Incorporating DNA Origami, Gold Nanorods, and Anticancer Drugs for Biomedical Applications. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700664	10.1	16

283	Triple Junction at the Triple Point Resolved on the Individual Particle Level. <i>Physical Review Letters</i> , <b>2017</b> , 119, 128001	7.4	10
282	Physical limits to biomechanical sensing in disordered fibre networks. <i>Nature Communications</i> , <b>2017</b> , 8, 16096	17.4	35
281	Biocompatible microcapsules with a water core templated from single emulsions. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1897-1900	8.1	16
280	Tough Self-Healing Elastomers by Molecular Enforced Integration of Covalent and Reversible Networks. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702616	24	204
279	Biocompatible Amphiphilic Hydrogel-Solid Dimer Particles as Colloidal Surfactants. <i>ACS Nano</i> , <b>2017</b> , 11, 11978-11985	16.7	56
278	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
277	Multistage Transformation and Lattice Fluctuation at AgCl-Ag Interface. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 5853-5860	6.4	3
276	Multi-functional micromotor: microfluidic fabrication and water treatment application. <i>Lab on A Chip</i> , <b>2017</b> , 17, 4220-4224	7.2	34
275	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. <i>Small</i> , <b>2017</b> , 13, 1701256	11	17
274	Parallelization of microfluidic flow-focusing devices. <i>Physical Review E</i> , <b>2017</b> , 95, 043105	2.4	19
273	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
272	Dispersing hydrophobic natural colourant $\beta$ -carotene in shellac particles for enhanced stability and tunable colour. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170919	3.3	13
271	Massively parallel single-nucleus RNA-seq with DroNc-seq. <i>Nature Methods</i> , <b>2017</b> , 14, 955-958	21.6	525
270	Drying regimes in homogeneous porous media from macro- to nanoscale. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	27
269	Throughput enhancement of parallel step emulsifier devices by shear-free and efficient nozzle clearance. <i>Lab on A Chip</i> , <b>2017</b> , 18, 132-138	7.2	49
268	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
267	Fluctuations in the Kinetics of Linear Protein Self-Assembly. <i>Physical Review Letters</i> , <b>2016</b> , 116, 258103	7.4	24
266	Biodegradable Photothermal and pH Responsive Calcium Carbonate@Phospholipid@Acetalated Dextran Hybrid Platform for Advancing Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6158-6169	15.6	31

265	Imaging grain boundary grooves in hard-sphere colloidal bicrystals. <i>Physical Review E</i> , <b>2016</b> , 94, 042604	2.4	4
264	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
263	Dynamic sound scattering: Field fluctuation spectroscopy with singly scattered ultrasound in the near and far fields. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, 1992	2.2	6
262	Microfluidics-Assisted Osteogenesis: Injectable Stem Cell-Laden Photocrosslinkable Microspheres Fabricated Using Microfluidics for Rapid Generation of Osteogenic Tissue Constructs (Adv. Funct. Mater. 17/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2976-2976	15.6	14
261	Composition and degradation of turbine oil sludge. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 125, 155-162	4.1	4
260	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
259	Triple Emulsion Drops with An Ultrathin Water Layer: High Encapsulation Efficiency and Enhanced Cargo Retention in Microcapsules. <i>Advanced Materials</i> , <b>2016</b> , 28, 3340-4	24	47
258	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
257	One-pot system for synthesis, assembly, and display of functional single-span membrane proteins on oil-water interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 608-13	11.5	7
256	Probing phenotypic growth in expanding <i>Bacillus subtilis</i> biofilms. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 4607-15	5.7	26
255	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
254	Drying kinetics driven by the shape of the air/water interface in a capillary channel. <i>European Physical Journal E</i> , <b>2016</b> , 39, 23	1.5	33
253	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
252	Biocompatible fluorinated polyglycerols for droplet microfluidics as an alternative to PEG-based copolymer surfactants. <i>Lab on A Chip</i> , <b>2016</b> , 16, 65-9	7.2	55
251	Methods for Determining the Cellular Functions of Vimentin Intermediate Filaments. <i>Methods in Enzymology</i> , <b>2016</b> , 568, 389-426	1.7	23
250	Stable Ultrathin-Shell Double Emulsions for Controlled Release. <i>ChemPhysChem</i> , <b>2016</b> , 17, 1553-6	3.2	23
249	A mix-and-read drop-based in vitro two-hybrid method for screening high-affinity peptide binders. <i>Scientific Reports</i> , <b>2016</b> , 6, 22575	4.9	8
248	Optimization and development of a universal flow-based microfluidic gradient generator. <i>Microfluidics and Nanofluidics</i> , <b>2016</b> , 20, 1	2.8	7

247	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
246	Microfluidic Fabrication of Pluronic Vesicles with Controlled Permeability. <i>Langmuir</i> , <b>2016</b> , 32, 5350-5	4	25
245	Drug Co-Delivery: Biodegradable Photothermal and pH Responsive Calcium Carbonate@Phospholipid@Acetalated Dextran Hybrid Platform for Advancing Biomedical Applications (Adv. Funct. Mater. 34/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6138-6138	15.6	
244	One-Step Microfluidic Fabrication of Polyelectrolyte Microcapsules in Aqueous Conditions for Protein Release. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13470-13474	16.4	71
243	One-Step Microfluidic Fabrication of Polyelectrolyte Microcapsules in Aqueous Conditions for Protein Release. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13668-13672	3.6	26
242	Robust scalable high throughput production of monodisperse drops. <i>Lab on A Chip</i> , <b>2016</b> , 16, 4163-4172	7.2	125
241	Fluorocarbon Oil Reinforced Triple Emulsion Drops. <i>Advanced Materials</i> , <b>2016</b> , 28, 8425-8430	24	29
240	Microcapsules for Enhanced Cargo Retention and Diversity. <i>Small</i> , <b>2015</b> , 11, 2903-9	11	33
239	Colloidal polymers with controlled sequence and branching constructed from magnetic field assembled nanoparticles. <i>ACS Nano</i> , <b>2015</b> , 9, 2720-8	16.7	43
238	Microfabricated liquid chamber utilizing solvent-drying for in-situ TEM imaging of nanoparticle self-assembly <b>2015</b> ,		1
237	Scalable single-step microfluidic production of single-core double emulsions with ultra-thin shells. <i>Lab on A Chip</i> , <b>2015</b> , 15, 3335-40	7.2	46
236	Nanoparticle imaging. 3D structure of individual nanocrystals in solution by electron microscopy. <i>Science</i> , <b>2015</b> , 349, 290-5	33.3	183
235	Anisotropic elasticity of experimental colloidal Wigner crystals. <i>Physical Review E</i> , <b>2015</b> , 91, 032310	2.4	11
234	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
233	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
232	Graphene-templated directional growth of an inorganic nanowire. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 423-8	28.7	60
231	Microfluidic fabrication and micromechanics of permeable and impermeable elastomeric microbubbles. <i>Langmuir</i> , <b>2015</b> , 31, 3489-93	4	14
230	Mechanics and dynamics of reconstituted cytoskeletal systems. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 3038-42	4.9	19

229	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
228	Single-cell CHIP-seq reveals cell subpopulations defined by chromatin state. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 1165-72	44.5	551
227	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
226	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
225	Chemically induced coalescence in droplet-based microfluidics. <i>Lab on A Chip</i> , <b>2015</b> , 15, 1140-4	7.2	44
224	Light-Directing Omnidirectional Circularly Polarized Reflection from Liquid-Crystal Droplets. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2188-2192	3.6	40
223	Label-free single-cell protein quantification using a drop-based mix-and-read system. <i>Scientific Reports</i> , <b>2015</b> , 5, 12756	4.9	22
222	Hybrid Microgels with Thermo-Tunable Elasticity for Controllable Cell Confinement. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1841-8	10.1	27
221	Artifact-Free Quantification and Sequencing of Rare Recombinant Viruses by Using Drop-Based Microfluidics. <i>ChemBioChem</i> , <b>2015</b> , 16, 2167-71	3.8	18
220	Back Cover: Macromol. Biosci. 12/2015. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1764-1764	5.5	
219	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
218	Microfluidic Production of Alginate Hydrogel Particles for Antibody Encapsulation and Release. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1641-6	5.5	63
217	Whole-Genome Sequencing of a Single Viral Species from a Highly Heterogeneous Sample. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13985-8	16.4	13
216	Soft Poly(dimethylsiloxane) Elastomers from Architecture-Driven Entanglement Free Design. <i>Advanced Materials</i> , <b>2015</b> , 27, 5132-40	24	107
215	Whole-Genome Sequencing of a Single Viral Species from a Highly Heterogeneous Sample. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14191-14194	3.6	2
214	Crystallization and reentrant melting of charged colloids in nonpolar solvents. <i>Physical Review E</i> , <b>2015</b> , 91, 030301	2.4	28
213	Highly Parallel Genome-wide Expression Profiling of Individual Cells Using Nanoliter Droplets. <i>Cell</i> , <b>2015</b> , 161, 1202-1214	56.2	3873
212	Droplet barcoding for single-cell transcriptomics applied to embryonic stem cells. <i>Cell</i> , <b>2015</b> , 161, 1187-1201	52.1	1983

211	Isolation and Analysis of Rare Norovirus Recombinants from Coinfected Mice Using Drop-Based Microfluidics. <i>Journal of Virology</i> , <b>2015</b> , 89, 7722-34	6.6	25
210	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
209	Protein microgels from amyloid fibril networks. <i>ACS Nano</i> , <b>2015</b> , 9, 43-51	16.7	94
208	High-Throughput Single-Cell Labeling (Hi-SCL) for RNA-Seq Using Drop-Based Microfluidics. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116328	3.7	53
207	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
206	Fluctuations in flow produced by competition between apparent wall slip and dilatancy. <i>Rheologica Acta</i> , <b>2014</b> , 53, 333-347	2.3	13
205	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
204	The microfluidic post-array device: high throughput production of single emulsion drops. <i>Lab on A Chip</i> , <b>2014</b> , 14, 705-9	7.2	27
203	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , <b>2014</b> , 5, 3068	17.4	126
202	Quantifying cell-generated mechanical forces within living embryonic tissues. <i>Nature Methods</i> , <b>2014</b> , 11, 183-9	21.6	257
201	A high-throughput cellulase screening system based on droplet microfluidics. <i>Biomicrofluidics</i> , <b>2014</b> , 8, 041102	3.2	48
200	Expansion and rupture of charged microcapsules. <i>Materials Horizons</i> , <b>2014</b> , 1, 92-95	14.4	4
199	Uncovering the mechanism of trapping and cell orientation during <i>Neisseria gonorrhoeae</i> twitching motility. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1523-31	2.9	30
198	Fluid breakup during simultaneous two-phase flow through a three-dimensional porous medium. <i>Physics of Fluids</i> , <b>2014</b> , 26, 062004	4.4	61
197	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
196	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
195	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
194	Mechanism of calponin stabilization of cross-linked actin networks. <i>Biophysical Journal</i> , <b>2014</b> , 106, 793-800		14



193	Spatial propagation of protein polymerization. <i>Physical Review Letters</i> , <b>2014</b> , 112, 098101	7.4	17
192	Fabrication of solid lipid microcapsules containing ascorbic acid using a microfluidic technique. <i>Food Chemistry</i> , <b>2014</b> , 152, 271-5	8.5	60
191	Microfluidics-assisted engineering of polymeric microcapsules with high encapsulation efficiency for protein drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 472, 82-7	6.5	66
190	Local shear transformations in deformed and quiescent hard-sphere colloidal glasses. <i>Physical Review E</i> , <b>2014</b> , 90, 042305	2.4	57
189	Ultrathin shell double emulsion templated giant unilamellar lipid vesicles with controlled microdomain formation. <i>Small</i> , <b>2014</b> , 10, 950-6	11	130
188	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
187	Microshells: Photoresponsive Monodisperse Cholesteric Liquid Crystalline Microshells for Tunable Omnidirectional Lasing Enabled by a Visible Light-Driven Chiral Molecular Switch (Advanced Optical Materials 9/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 904-904	8.1	2
186	25th anniversary article: double emulsion templated solid microcapsules: mechanics and controlled release. <i>Advanced Materials</i> , <b>2014</b> , 26, 2205-18	24	180
185	Emergent properties of composite semiflexible biopolymer networks. <i>Bioarchitecture</i> , <b>2014</b> , 4, 138-43		23
184	Identifying directional persistence in intracellular particle motion using Hidden Markov Models. <i>Mathematical Biosciences</i> , <b>2014</b> , 248, 140-5	3.9	15
183	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
182	Stimuli-Responsive Core-Shell 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
181	The role of vimentin intermediate filaments in cortical and cytoplasmic mechanics. <i>Biophysical Journal</i> , <b>2013</b> , 105, 1562-8	2.9	182
180	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
179	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
178	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. <i>Microfluidics and Nanofluidics</i> , <b>2013</b> , 14, 509-514	2.8	57
177	Block-and-break generation of microdroplets with fixed volume. <i>Biomicrofluidics</i> , <b>2013</b> , 7, 24108	3.2	35
176	Rolling particle lithography by soft polymer microparticles. <i>Soft Matter</i> , <b>2013</b> , 9, 2206	3.6	9



175	Transport of charged colloids in a nonpolar solvent. <i>Soft Matter</i> , <b>2013</b> , 9, 5173	3.6	13
174	Wetting-induced formation of controllable monodisperse multiple emulsions in microfluidics. <i>Lab on A Chip</i> , <b>2013</b> , 13, 4047-52	7.2	58
173	Gas-core triple emulsions for ultrasound triggered release. <i>Soft Matter</i> , <b>2013</b> , 9, 38-42	3.6	31
172	Colloidal Particles: Crystals, Glasses, and Gels. <i>Annual Review of Condensed Matter Physics</i> , <b>2013</b> , 4, 217-237	13.7	179
171	Rapid growth of large, defect-free colloidal crystals. <i>Soft Matter</i> , <b>2013</b> , 9, 320-328	3.6	38
170	Formation of polymersomes with double bilayers templated by quadruple emulsions. <i>Lab on A Chip</i> , <b>2013</b> , 13, 1351-6	7.2	44
169	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
168	Single-cell analysis and sorting using droplet-based microfluidics. <i>Nature Protocols</i> , <b>2013</b> , 8, 870-91	18.8	834
167	Polymer microcapsules with programmable active release. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7744-50	16.4	132
166	Microfluidic templated mesoporous silicon-silica lipid microcomposites for sustained drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12127-34	9.5	44
165	Polymersomes containing a hydrogel network for high stability and controlled release. <i>Small</i> , <b>2013</b> , 9, 124-31	11	62
164	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
163	Thermally Switched Release from Nanoparticle Colloidosomes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5925-5929	15.6	51
162	One Step Formation of Controllable Complex Emulsions: From Functional Particles to Simultaneous Encapsulation of Hydrophilic and Hydrophobic Agents into Desired Position (Adv. Mater. 18/2013). <i>Advanced Materials</i> , <b>2013</b> , 25, 2535-2535	24	4
161	Titelbild: HoleShell Microparticles from Controllably Evolved Double Emulsions (Angew. Chem. 31/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8043-8043	3.6	
160	HoleShell Microparticles from Controllably Evolved Double Emulsions. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8242-8245	3.6	6
159	Novel surface acoustic wave (SAW)-driven closed PDMS flow chamber. <i>Microfluidics and Nanofluidics</i> , <b>2012</b> , 12, 229-235	2.8	88
158	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

157	Photo- and thermoresponsive polymersomes for triggered release. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12499-503	16.4	124
156	Single step emulsification for the generation of multi-component double emulsions. <i>Soft Matter</i> , <b>2012</b> , 8, 10719	3.6	110
155	Structures, stresses, and fluctuations in the delayed failure of colloidal gels. <i>Soft Matter</i> , <b>2012</b> , 8, 3657	3.6	71
154	Microfluidic synthesis of monodisperse porous microspheres with size-tunable pores. <i>Soft Matter</i> , <b>2012</b> , 8, 10636	3.6	52
153	Measuring the elastic modulus of microgels using microdrops. <i>Soft Matter</i> , <b>2012</b> , 8, 10032	3.6	16
152	Delayed buckling and guided folding of inhomogeneous capsules. <i>Physical Review Letters</i> , <b>2012</b> , 109, 134302	7.4	112
151	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
150	Droplet microfluidics for high-throughput biological assays. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2146-55	7.2	705
149	Drop formation in non-planar microfluidic devices. <i>Lab on A Chip</i> , <b>2012</b> , 12, 4263-8	7.2	77
148	Experimental validation of plugging during drop formation in a T-junction. <i>Lab on A Chip</i> , <b>2012</b> , 12, 1516-21	7.2	69
147	Colloidal gelation of oppositely charged particles. <i>Soft Matter</i> , <b>2012</b> , 8, 8697	3.6	27
146	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
145	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
144	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
143	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
142	Protein Expression, Aggregation, and Triggered Release from Polymersomes as Artificial Cell-like Structures. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6522-6526	3.6	22
141	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
140	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

139	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
138	Mechanics of Single Microgel Particles <b>2011</b> , 311-325		
137	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
136	Enhanced encapsulation of actives in self-sealing microcapsules by precipitation in capsule shells. <i>Langmuir</i> , <b>2011</b> , 27, 13988-91	4	36
135	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
134	Controllable microfluidic production of multicomponent multiple emulsions. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1587-92	7.2	171
133	Early development drug formulation on a chip: fabrication of nanoparticles using a microfluidic spray dryer. <i>Lab on A Chip</i> , <b>2011</b> , 11, 2362-8	7.2	35
132	Applications of Biopolymer Microgels <b>2011</b> , 423-450		
131	Rheology of Industrially Relevant Microgels <b>2011</b> , 327-353		11
130	Melting and Geometric Frustration in Temperature-Sensitive Colloids <b>2011</b> , 229-281		5
129	Yielding, Flow, and Slip in Microgel Suspensions: From Microstructure to Macroscopic Rheology <b>2011</b> , 283-309		2
128	Exploiting the Optical Properties of Microgels and Hydrogels as Microlenses and Photonic Crystals in Sensing Applications <b>2011</b> , 355-374		2
127	Determination of Microgel Structure by Small-Angle Neutron Scattering <b>2011</b> , 117-132		4
126	Structure and Thermodynamics of Ionic Microgels <b>2011</b> , 163-193		4
125	Elasticity of Soft Particles and Colloids near the Jamming Threshold <b>2011</b> , 195-206		1
124	Crystallization of Microgel Spheres <b>2011</b> , 207-228		1
123	Microgels for Oil Recovery <b>2011</b> , 407-422		2
122	Interactions and Colloid Stability of Microgel Particles <b>2011</b> , 133-162		1

121	Microfluidics: Drug Dissolution Chip (DDC): A Microfluidic Approach for Drug Release (Small 21/2011). <i>Small</i> , <b>2011</b> , 7, 2958-2958		11
120	The micromechanics of three-dimensional collagen-I gels. <i>Complexity</i> , <b>2011</b> , 16, 22-28	1.6	110
119	Multicompartment Polymersomes from Double Emulsions. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1686-1689	3.6	77
118	One-Step Emulsification of Multiple Concentric Shells with Capillary Microfluidic Devices. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8890-8893	3.6	46
117	Multicompartment polymersomes from double emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1648-51	16.4	218
116	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
115	Breakup of double emulsions in constrictions. <i>Soft Matter</i> , <b>2011</b> , 7, 2345	3.6	43
114	Control of non-linear elasticity in F-actin networks with microtubules. <i>Soft Matter</i> , <b>2011</b> , 7, 902-906	3.6	49
113	Multicompartment polymersome gel for encapsulation. <i>Soft Matter</i> , <b>2011</b> , 7, 8762	3.6	10
112	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
111	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
110	Controlling droplet incubation using close-packed plug flow. <i>Biomicrofluidics</i> , <b>2011</b> , 5, 24101	3.2	18
109	New Functional Microgels from Microfluidics <b>2011</b> , 53-70		1
108	Swelling Thermodynamics of Microgel Particles <b>2011</b> , 71-116		6
107	Polymerization Kinetics of Microgel Particles <b>2011</b> , 33-51		2
106	Microgels and Their Synthesis: An Introduction <b>2011</b> , 1-32		16
105	Microgels in Drug Delivery <b>2011</b> , 375-405		7
104	Corrugated interfaces in multiphase core-annular flow. <i>Physics of Fluids</i> , <b>2010</b> , 22, 082002	4.4	20

103	Ultra-high-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
102	Microfluidic sorting with high-speed single-layer membrane valves. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 203509	3.4	98
101	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
100	Droplet Based Microfluidics for Synthesis of Mesoporous Silica Microspheres. <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1272, 1		1
99	Axial and lateral particle ordering in finite Reynolds number channel flows. <i>Physics of Fluids</i> , <b>2010</b> , 22, 081703	4.4	99
98	Patterning microfluidic device wettability using flow confinement. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1774-6	7.2	98
97	Functional patterning of PDMS microfluidic devices using integrated chemo-masks. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1521-4	7.2	26
96	Controlled fabrication of polymer microgels by polymer-analogous gelation in droplet microfluidics. <i>Soft Matter</i> , <b>2010</b> , 6, 3184	3.6	69
95	Janus microgels produced from functional precursor polymers. <i>Langmuir</i> , <b>2010</b> , 26, 14842-7	4	83
94	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
93	Smart microgel capsules from macromolecular precursors. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6606-9	16.4	160
92	Capillary micromechanics: Measuring the elasticity of microscopic soft objects. <i>Soft Matter</i> , <b>2010</b> , 6, 4550-6	3.6	84
91	Measurement of nonlinear rheology of cross-linked biopolymer gels. <i>Soft Matter</i> , <b>2010</b> , 6, 4120	3.6	76
90	Nanomechanics of vimentin intermediate filament networks. <i>Soft Matter</i> , <b>2010</b> , 6, 1910	3.6	25
89	Surface acoustic wave actuated cell sorting (SAWACS). <i>Lab on A Chip</i> , <b>2010</b> , 10, 789-94	7.2	269
88	Orders-of-magnitude performance increases in GPU-accelerated correlation of images from the International Space Station. <i>Journal of Real-Time Image Processing</i> , <b>2010</b> , 5, 179-193	1.9	22
87	Gel-immobilized colloidal crystal shell with enhanced thermal sensitivity at photonic wavelengths. <i>Advanced Materials</i> , <b>2010</b> , 22, 4998-5002	24	105
86	Surface-Tension-Induced Synthesis of Complex Particles Using Confined Polymeric Fluids. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7914-7918	3.6	10

85	Droplet microfluidics for fabrication of non-spherical particles. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 108-18	4.8	192
84	Fabrication of tunable spherical colloidal crystals immobilized in soft hydrogels. <i>Small</i> , <b>2010</b> , 6, 807-10	11	103
83	Materials science. Unjamming a polymer glass. <i>Science</i> , <b>2009</b> , 323, 214-5	33.3	17
82	Janus Supraparticles by Induced Phase Separation of Nanoparticles in Droplets. <i>Advanced Materials</i> , <b>2009</b> , 21, 1949-1953	24	143
81	High-order multiple emulsions formed in poly(dimethylsiloxane) microfluidics. <i>Small</i> , <b>2009</b> , 5, 2030-2	11	240
80	Physical forces during collective cell migration. <i>Nature Physics</i> , <b>2009</b> , 5, 426-430	16.2	760
79	Janus particles templated from double emulsion droplets generated using microfluidics. <i>Langmuir</i> , <b>2009</b> , 25, 4320-3	4	192
78	Short-time self-diffusion of nearly hard spheres at an oil-water interface. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 618, 243-261	3.7	51
77	Impact of inlet channel geometry on microfluidic drop formation. <i>Physical Review E</i> , <b>2009</b> , 80, 026310	2.4	93
76	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
75	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
74	Beating Poisson encapsulation statistics using close-packed ordering. <i>Lab on A Chip</i> , <b>2009</b> , 9, 2628-31	7.2	134
73	Structural basis of filamin A-filGAP interaction and its impairment in congenital anomalies associated with filamin A mutations. <i>FASEB Journal</i> , <b>2009</b> , 23, 704.1	0.9	
72	Gelation of particles with short-range attraction. <i>Nature</i> , <b>2008</b> , 453, 499-503	50.4	700
71	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
70	Velocity fluctuations in a low-Reynolds-number fluidized bed. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 596, 467-475	10	
69	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
68	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

67	Fabrication of monodisperse thermosensitive microgels and gel capsules in microfluidic devices. <i>Soft Matter</i> , <b>2008</b> , 4, 2303	3.6	159
66	Probing nonlinear rheology with inertio-elastic oscillations. <i>Journal of Rheology</i> , <b>2008</b> , 52, 1013-1025	4.1	39
65	Highly anisotropic vorticity aligned structures in a shear thickening attractive colloidal system. <i>Soft Matter</i> , <b>2008</b> , 4, 1388-1392	3.6	54
64	Controlled encapsulation of single-cells into monodisperse picolitre drops. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1262-4.2	4.2	386
63	The soft framework of the cellular machine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1105-6	11.5	10
62	Nonequilibrium microtubule fluctuations in a model cytoskeleton. <i>Physical Review Letters</i> , <b>2008</b> , 100, 118104	7.4	134
61	Designer emulsions using microfluidics. <i>Materials Today</i> , <b>2008</b> , 11, 18-27	21.8	544
60	Eutectic Gallium-Indium (EGaln): 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
59	Colloid Surfactants for Emulsion Stabilization. <i>Advanced Materials</i> , <b>2008</b> , 20, 3239-3243	24	246
58	Double Emulsion-Templated Nanoparticle Colloidosomes with Selective Permeability. <i>Advanced Materials</i> , <b>2008</b> , 20, 3498-3503	24	280
57	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
56	Drop-based microfluidic devices for encapsulation of single cells. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1110-5	7.2	409
55	Biocompatible surfactants for water-in-fluorocarbon emulsions. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1632-9	7.2	508
54	Viscoelastic Properties of Microtubule Networks. <i>Macromolecules</i> , <b>2007</b> , 40, 7714-7720	5.5	89
53	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
52	Controllable monodisperse multiple emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8970-4	16.4	552
51	Monodisperse Thermo-responsive Microgels with Tunable Volume-Phase Transition Kinetics. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3499-3504	15.6	124
50	Uniform Nonspherical Colloidal Particles with Tunable Shapes. <i>Advanced Materials</i> , <b>2007</b> , 19, 2005-2009	24	203



49	Structural rearrangements that govern flow in colloidal glasses. <i>Science</i> , <b>2007</b> , 318, 1895-9	33.3	437
48	Dripping, Jetting, Drops, and Wetting: The Magic of Microfluidics. <i>MRS Bulletin</i> , <b>2007</b> , 32, 702-708	3.2	265
47	Velocity fluctuations of initially stratified sedimenting spheres. <i>Physics of Fluids</i> , <b>2007</b> , 19, 113304	4.4	14
46	Dripping to jetting transitions in coflowing liquid streams. <i>Physical Review Letters</i> , <b>2007</b> , 99, 094502	7.4	621
45	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
44	Target-locking acquisition with real-time confocal (TARC) microscopy. <i>Optics Express</i> , <b>2007</b> , 15, 8702-12	3.3	42
43	The cell as a material. <i>Current Opinion in Cell Biology</i> , <b>2007</b> , 19, 101-7	9	353
42	Novel defect structures in nematic liquid crystal shells. <i>Physical Review Letters</i> , <b>2007</b> , 99, 157801	7.4	185
41	Rheology and microrheology of a microstructured fluid: The gellan gum case. <i>Journal of Rheology</i> , <b>2007</b> , 51, 851-865	4.1	67
40	Electric control of droplets in microfluidic devices. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2556-60	16.4	540
39	Direct imaging of repulsive and attractive colloidal glasses. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 074716	9	59
38	Fluids of clusters in attractive colloids. <i>Physical Review Letters</i> , <b>2006</b> , 96, 028306	7.4	183
37	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
36	Electrocoalescence of drops synchronized by size-dependent flow in microfluidic channels. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 264105	3.4	241
35	Dewetting instability during the formation of polymersomes from block-copolymer-stabilized double emulsions. <i>Langmuir</i> , <b>2006</b> , 22, 4457-61	4	140
34	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
33	Microfluidic assembly of homogeneous and Janus colloid-filled hydrogel granules. <i>Langmuir</i> , <b>2006</b> , 22, 8618-22	4	236
32	Dielectrophoretic manipulation of drops for high-speed microfluidic sorting devices. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 024104	3.4	346

31	Charge stabilization in nonpolar solvents. <i>Langmuir</i> , <b>2005</b> , 21, 4881-7	4	252
30	Monodisperse double emulsions generated from a microcapillary device. <i>Science</i> , <b>2005</b> , 308, 537-41	33.3	1687
29	Optically Anisotropic Colloids of Controllable Shape. <i>Advanced Materials</i> , <b>2005</b> , 17, 680-684	24	72
28	Time-dependent strength of colloidal gels. <i>Physical Review Letters</i> , <b>2005</b> , 95, 048302	7.4	63
27	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
26	PHYSICS. Packing in the spheres. <i>Science</i> , <b>2004</b> , 303, 968-9	33.3	114
25	A new device for the generation of microbubbles. <i>Physics of Fluids</i> , <b>2004</b> , 16, 2828-2834	4.4	89
24	Geometrically mediated breakup of drops in microfluidic devices. <i>Physical Review Letters</i> , <b>2004</b> , 92, 054503	7.4	859
23	A model for velocity fluctuations in sedimentation. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 501, 71-104	3.7	103
22	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
21	Elastic behavior of cross-linked and bundled actin networks. <i>Science</i> , <b>2004</b> , 304, 1301-5	33.3	933
20	Like-charged particles at liquid interfaces. <i>Nature</i> , <b>2003</b> , 424, 1014-1014	50.4	20
19	Phase switching of ordered arrays of liquid crystal emulsions. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2610-2613	3.4	52
18	Electrostatics for Exploring the Nature of Water Adsorption on the Laponite Sheets Surface. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8946-8952	3.4	32
17	Production of Unilamellar Vesicles Using an Inverted Emulsion. <i>Langmuir</i> , <b>2003</b> , 19, 2870-2879	4	402
16	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
15	Colloidosomes: selectively permeable capsules composed of colloidal particles. <i>Science</i> , <b>2002</b> , 298, 1006-9	33.3	1769
14	Nonuniversal velocity fluctuations of sedimenting particles. <i>Physical Review Letters</i> , <b>2002</b> , 89, 054501	7.4	71

13	Investigating the microenvironments of inhomogeneous soft materials with multiple particle tracking. <i>Physical Review E</i> , <b>2001</b> , 64, 061506	2.4	228
12	Three-dimensional confocal microscopy of colloids. <i>Applied Optics</i> , <b>2001</b> , 40, 4152-9	1.7	206
11	Real-space imaging of nucleation and growth in colloidal crystallization. <i>Science</i> , <b>2001</b> , 292, 258-62	33.3	831
10	Patterned Colloidal Coating Using Adhesive Emulsions. <i>Langmuir</i> , <b>2001</b> , 17, 2275-2277	4	7
9	Scaling of the viscoelasticity of weakly attractive particles. <i>Physical Review Letters</i> , <b>2000</b> , 85, 449-52	7.4	292
8	Velocity fluctuations in fluidized suspensions probed by ultrasonic correlation spectroscopy. <i>Physical Review Letters</i> , <b>2000</b> , 85, 453-6	7.4	66
7	Three-dimensional direct imaging of structural relaxation near the colloidal glass transition. <i>Science</i> , <b>2000</b> , 287, 627-31	33.3	1470
6	Rheology of F-actin solutions determined from thermally driven tracer motion. <i>Journal of Rheology</i> , <b>2000</b> , 44, 917-928	4.1	69
5	Monodisperse Emulsion Generation via Drop Break Off in a Coflowing Stream. <i>Langmuir</i> , <b>2000</b> , 16, 347-351	4.1	508
4	Two-point microrheology of inhomogeneous soft materials. <i>Physical Review Letters</i> , <b>2000</b> , 85, 888-91	7.4	507
3	Characterization of niobium point contacts showing Josephson effects in the far infrared. <i>Journal of Applied Physics</i> , <b>1978</b> , 49, 4873-4880	2.5	37
2	Niobium point-contact Josephson-junction behavior at 604 GHz. <i>Applied Physics Letters</i> , <b>1977</b> , 31, 227-229	4	26
1	High-fidelity transfer of area-selective atomic layer deposition grown HfO <sub>2</sub> through DNA origami-assisted nanolithography. <i>Nano Research</i> , 1	10	0