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## Controllable monodisperse multiple emulsions

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#	Paper	IF	Citations
583	Monodisperse Thermoresponsive Microgels with Tunable Volume-Phase Transition Kinetics. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3499-3504	15.6	124
582	Multihollow structured poly(methyl methacrylate)/silver nanocomposite microspheres prepared by suspension polymerization in the presence of dual dispersion agents. <b>2008</b> , 286, 1379-1385		21
581	Designer emulsions using microfluidics. <b>2008</b> , 11, 18-27		544
580	Microstructured Devices for Preparing Controlled Multiple Emulsions. <b>2008</b> , 31, 1091-1098		64
579	Microfluidics for miniaturized laboratories on a chip. <b>2008</b> , 9, 2140-56		121
578	Controllable Microfluidic Production of Microbubbles in Water-in-Oil Emulsions and the Formation of Porous Microparticles. <i>Advanced Materials</i> , <b>2008</b> , 20, 3314-3318	24	130
577	Double Emulsion-Templated Nanoparticle Colloidosomes with Selective Permeability. <i>Advanced Materials</i> , <b>2008</b> , 20, 3498-3503	24	280
576	Droplet microfluidics. <i>Lab on A Chip</i> , <b>2008</b> , 8, 198-220	7.2	2023
575	Fabrication of monodisperse thermosensitive microgels and gel capsules in microfluidic devices. <i>Soft Matter</i> , <b>2008</b> , 4, 2303	3.6	159
574	Optofluidic encapsulation of crystalline colloidal arrays into spherical membrane. <b>2008</b> , 130, 6040-6		137
573	Experimental Investigation of Bubble Formation in a Microfluidic T-Shaped Junction. <b>2009</b> , 13, 228-242		17
572	Numerical Simulation of Droplet Generation in Series Co-Flow Capillaries. <b>2009</b> ,		
571	Remote Fabrication via Three-Dimensional Reaction-Diffusion: Making Complex Core-and-Shell Particles and Assembling Them into Open-Lattice Crystals. <i>Advanced Materials</i> , <b>2009</b> , 21, 1911-1915	24	12
570	Hollow Micro/Nanomaterials with Multilevel Interior Structures. <i>Advanced Materials</i> , <b>2009</b> , 21, 3621-3638	8.4	571
569	Fabrication of monodisperse toroidal particles by polymer solidification in microfluidics. <b>2009</b> , 10, 641-5		71
568	A novel thermo-induced self-bursting microcapsule with magnetic-targeting property. <b>2009</b> , 10, 2405-9		59
567	Microfluidic Mass-Transfer Control for the Simple Formation of Complex Multiple Emulsions. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7344-7347	3.6	3

566	Microfluidic mass-transfer control for the simple formation of complex multiple emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7208-11	16.4	46
565	Liquid-liquid micro-dispersion in a double-pore T-shaped microfluidic device. <b>2009</b> , 6, 557-564		13
564	Compound-fluidic electrospray: An efficient method for the fabrication of microcapsules with multicompartment structure. <b>2009</b> , 54, 3147-3153		9
563	Nonspherical colloidosomes with multiple compartments from double emulsions. <i>Small</i> , <b>2009</b> , 5, 1932-511		129
562	High-order multiple emulsions formed in poly(dimethylsiloxane) microfluidics. <i>Small</i> , <b>2009</b> , 5, 2030-2	11	240
561	Microfluidic preparation of monodisperse ethyl cellulose hollow microcapsules with non-toxic solvent. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 336, 100-6	9.3	52
560	A microfluidic approach to fabricate monodisperse hollow or porous poly(HEMA-MMA) microspheres using single emulsions as templates. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 336, 235-43	9.3	47
559	Numerical study on the dynamics of droplet passing through a cylinder obstruction in confined microchannel flow. <b>2009</b> , 162, 38-44		19
558	Determination of dynamic interfacial tension and its effect on droplet formation in the T-shaped microdispersion process. <i>Langmuir</i> , <b>2009</b> , 25, 2153-8	4	119
557	Kinetic aspects of emulsion stabilization by surfactants: a microfluidic analysis. <i>Langmuir</i> , <b>2009</b> , 25, 6088-93		154
556	Double Emulsion Droplets as Microreactors for Synthesis of Mesoporous Hydroxyapatite. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5548-5555	9.6	134
555	Co-axial capillaries microfluidic device for synthesizing size- and morphology-controlled polymer core-polymer shell particles. <i>Lab on A Chip</i> , <b>2009</b> , 9, 3007-11	7.2	64
554	Surface acoustic wave actuated cell sorting (SAWACS). <i>Lab on A Chip</i> , <b>2010</b> , 10, 789-94	7.2	269
553	Bioinspired synthesis and preparation of multilevel micro/nanostructured materials. <b>2010</b> , 5, 247-261		3
552	Synthesis of crystals and particles by crystallization and polymerization in droplet-based microfluidic devices. <b>2010</b> , 4, 26-36		9
551	Monodisperse alginate microcapsules with oil core generated from a microfluidic device. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 343, 392-5	9.3	76
550	Monodisperse microspheres with poly(N-isopropylacrylamide) core and poly(2-hydroxyethyl methacrylate) shell. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 346, 361-9	9.3	19
549	Smart responsive microcapsules capable of recognizing heavy metal ions. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 349, 512-8	9.3	43

548	Microfluidic fabrication of smart microgels from macromolecular precursors. <b>2010</b> , 51, 5883-5889		61
547	Facile fabrication of colloidal particles based on the electrostatic aggregation of block copolymer micelles. <i>Chemical Engineering Journal</i> , <b>2010</b> , 165, 354-357	14.7	4
546	Corrugated interfaces in multiphase core-annular flow. <i>Physics of Fluids</i> , <b>2010</b> , 22, 082002	4.4	20
545	Flow from macroscopically long straight carbon nanopores for generation of thermoresponsive nanoparticles. <b>2010</b> , 107, 024903		8
544	Stokes flow past a compound drop in a circular tube. <i>Physics of Fluids</i> , <b>2010</b> , 22, 072003	4.4	16
543	Study of Double-Layered Microcapsule Formation in Compound Nozzle Jetting. <b>2010</b> ,		
542	Patterning microfluidic device wettability using flow confinement. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1774-6	7.2	98
541	Smart thermo-triggered squirting capsules for nanoparticle delivery. <i>Soft Matter</i> , <b>2010</b> , 6, 3759	3.6	108
540	Hybrid hollow microspheres templated from double Pickering emulsions. <b>2010</b> , 46, 4318-20		36
539	Controlled fabrication of polymer microgels by polymer-analogous gelation in droplet microfluidics. <i>Soft Matter</i> , <b>2010</b> , 6, 3184	3.6	69
538	Wettability patterning by UV-initiated graft polymerization of poly(acrylic acid) in closed microfluidic systems of complex geometry. <b>2010</b> , 82, 8848-55		76
537	Janus microgels produced from functional precursor polymers. <i>Langmuir</i> , <b>2010</b> , 26, 14842-7	4	83
536	Monodisperse stimuli-responsive colloidosomes by self-assembly of microgels in droplets. <i>Langmuir</i> , <b>2010</b> , 26, 1561-5	4	117
535	Microfluidic applications of magnetic particles for biological analysis and catalysis. <i>Chemical Reviews</i> , <b>2010</b> , 110, 1518-63	68.1	527
534	Synthesis of micro and nanostructures in microfluidic systems. <b>2010</b> , 39, 1183-202		546
533	Thermo-sensitive microgels as in-situ sensor for temperature measurement in optoelectronic tweezers. <b>2010</b> ,		2
532	Three Preparation Methods for Monodispersed Chitosan Microspheres Using the Shirasu Porous Glass Membrane Emulsification Technique and Mechanisms of Microsphere Formation. <b>2010</b> , 49, 3236-3241		25
531	Smart microgel capsules from macromolecular precursors. <b>2010</b> , 132, 6606-9		160

530	Microfluidic device incorporating closed loop feedback control for uniform and tunable production of micro-droplets. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1293-301	7.2	44
529	Biofunctional colloids and their assemblies. <i>Soft Matter</i> , <b>2010</b> , 6, 1092	3.6	30
528	Biochemically active hydrosol as a means of collecting electrospun microcapsules for drug delivery. <b>2010</b> , 20, 9025		4
527	Breakup of double emulsions in constrictions. <i>Soft Matter</i> , <b>2011</b> , 7, 2345	3.6	43
526	Faster multiple emulsification with drop splitting. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1911-5	7.2	97
525	Particle-stabilized oscillating diver: a self-assembled responsive capsule. <i>Soft Matter</i> , <b>2011</b> , 7, 7969	3.6	13
524	K(+)-recognition capsules with squirting release mechanisms. <b>2011</b> , 47, 12283-5		49
523	Breakup of double emulsion droplets in a tapered nozzle. <i>Langmuir</i> , <b>2011</b> , 27, 4324-7	4	32
522	Engineering Polymersome Protocells. <b>2011</b> , 2, 1612-1623		103
521	Monodisperse core-shell chitosan microcapsules for pH-responsive burst release of hydrophobic drugs. <i>Soft Matter</i> , <b>2011</b> , 7, 4821	3.6	129
520	Microfluidics: Fabrication, Droplets, Bubbles and Nanofluids Synthesis. <b>2011</b> , 171-294		3
519	Basic technologies for droplet microfluidics. <b>2011</b> , 304, 69-90		9
518	Molecular-Recognizable Smart Membranes. <i>Advanced Topics in Science and Technology in China</i> , <b>2011</b> , 217-239	0.2	
517	Microfluidic generation of multifunctional quantum dot barcode particles. <b>2011</b> , 133, 8790-3		214
516	Formation of droplet networks that function in aqueous environments. <b>2011</b> , 6, 803-8		145
515	Droplet microfluidics: recent developments and future applications. <b>2011</b> , 47, 1936-42		251
514	Enhanced encapsulation of actives in self-sealing microcapsules by precipitation in capsule shells. <i>Langmuir</i> , <b>2011</b> , 27, 13988-91	4	36
513	Smart Membrane Materials and Systems. <i>Advanced Topics in Science and Technology in China</i> , <b>2011</b> ,	0.2	9

512	One-step formation of multiple emulsions in microfluidics. <i>Lab on A Chip</i> , <b>2011</b> , 11, 253-8	7.2	152
511	Controllable microfluidic production of multicomponent multiple emulsions. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1587-92	7.2	171
510	Air-bubble-triggered drop formation in microfluidics. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1713-6	7.2	36
509	Simple and cheap microfluidic devices for the preparation of monodisperse emulsions. <i>Lab on A Chip</i> , <b>2011</b> , 11, 3963-9	7.2	68
508	Controllable preparation of particles with microfluidics. <b>2011</b> , 9, 545-558		85
507	Smart Microcapsules with Thermo-Responsive Hydrogel Membranes. <i>Advanced Topics in Science and Technology in China</i> , <b>2011</b> , 97-120	0.2	
506	Microfluidics for food, agriculture and biosystems industries. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1574-86	7.2	154
505	Formation of Droplets in Microfluidic Systems. <b>2011</b> , 41-94		1
504	Microfluidic Production of Hydrogel Particles. <b>2011</b> , 146-169		1
503	Drastic difference in porous structure of calcium alginate microspheres prepared with fresh or hydrolyzed sodium alginate. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 363, 707-10	9.3	24
502	Mastering a double emulsion in a simple co-flow microfluidic to generate complex polymersomes. <i>Langmuir</i> , <b>2011</b> , 27, 9034-42	4	88
501	A novel method for generation of amphiphilic PDMS particles by selective modification. <b>2011</b> , 10, 453-458		10
500	Nanoparticle synthesis in microreactors. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 1463-1479	4.4	298
499	Recent advances with anisotropic particles. <b>2011</b> , 16, 195-202		202
498	Multidrug encapsulation by coaxial tri-capillary electrospray. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 104-10	6	76
497	Zweiphasenmikrofluidik zur Erzeugung monodisperser Designeremulsionen. <b>2011</b> , 17, 583-585		
496	Double Emulsions Stabilized by Food Biopolymers. <b>2011</b> , 6, 1-11		289
495	Fabrication of advanced particles and particle-based materials assisted by droplet-based microfluidics. <i>Small</i> , <b>2011</b> , 7, 1728-54	11	224

494	Functional microgels tailored by droplet-based microfluidics. <b>2011</b> , 32, 1600-9		57
493	Packing of Emulsion Droplets: Structural and Functional Motifs for Multi-Cored Microcapsules. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1608-1615	15.6	56
492	Synthesis of monodisperse microparticles from non-Newtonian polymer solutions with microfluidic devices. <i>Advanced Materials</i> , <b>2011</b> , 23, 1757-60	24	86
491	Measuring the scale of segregation in mixing data. <b>2011</b> , 89, 1122-1138		20
490	Monodisperse water-in-water-in-oil emulsion droplets. <b>2011</b> , 12, 263-6		16
489	One-Step Emulsification of Multiple Concentric Shells with Capillary Microfluidic Devices. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8890-8893	3.6	46
488	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
487	Novel cationic pH-responsive poly(N,N-dimethylaminoethyl methacrylate) microcapsules prepared by a microfluidic technique. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 357, 101-8	9.3	41
486	New Functional Microgels from Microfluidics. <b>2011</b> , 53-70		1
485	Formation of multilayered biopolymer microcapsules and microparticles in a multiphase microfluidic flow. <b>2012</b> , 6, 24125-2412516		11
484	Multifunctional photonic crystal barcodes from microfluidics. <b>2012</b> , 4, e25-e25		104
483	The onset of fragmentation in binary liquid drop collisions. <b>2012</b> , 702, 5-25		26
482	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
481	Superparamagnetic microspheres with controlled macroporosity generated in microfluidic devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4934-41	9.5	13
480	Tröpfchen-Mikrofluidik für die Einzelzellanalyse. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12342-12359	3.6	18
479	Droplet microfluidics—a tool for single-cell analysis. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12176-92	16.4	342
478	Change in size and structure of monodisperse poly(N-isopropylacrylamide) microcapsules in response to varying temperature and ethyl gallate concentration. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 212-219	14.7	14
477	Towards an artificial cell. <b>2012</b> , 586, 2882-90		79

476	Self-assembled architectures with multiple aqueous compartments. <i>Soft Matter</i> , <b>2012</b> , 8, 4552	3.6	49
475	Controllable microfluidic production of gas-in-oil-in-water emulsions for hollow microspheres with thin polymer shells. <i>Lab on A Chip</i> , <b>2012</b> , 12, 3858-60	7.2	46
474	Chemistry with spatial control using particles and streams(). <b>2012</b> , 2, 9707-9726		11
473	Conversion of alcoholic concentration variations into mechanical force via core-shell capsules. <b>2012</b> , 116, 974-9		21
472	Designer polymer-based microcapsules made using microfluidics. <i>Langmuir</i> , <b>2012</b> , 28, 144-52	4	85
471	Stabilization mechanism of double emulsions made by microfluidics. <i>Soft Matter</i> , <b>2012</b> , 8, 11471	3.6	17
470	Microscale Strategies for Generating Cell-Encapsulating Hydrogels. <i>Polymers</i> , <b>2012</b> , 4, 1554	4.5	77
469	Controllable gas/liquid/liquid double emulsions in a dual-coaxial microfluidic device. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2029-36	7.2	44
468	Experimental validation of plugging during drop formation in a T-junction. <i>Lab on A Chip</i> , <b>2012</b> , 12, 1516-21		69
467	Microfluidic-Based Synthesis of Hydrogel Particles for Cell Microencapsulation and Cell-Based Drug Delivery. <i>Polymers</i> , <b>2012</b> , 4, 1084-1108	4.5	115
466	Filtering microfluidic bubble trains at a symmetric junction. <i>Lab on A Chip</i> , <b>2012</b> , 12, 582-8	7.2	28
465	A simple microfluidic device for fabrication of double emulsion droplets and polymer microcapsules. <b>2012</b> , 3, 1043		34
464	In vitro biosynthesis of metal nanoparticles in microdroplets. <b>2012</b> , 6, 6998-7008		34
463	Droplet based microfluidic fabrication of designer microparticles for encapsulation applications. <b>2012</b> , 6, 34104		39
462	Intrinsically Fluorescent Microspheres with Superior Thermal Stability and Broad Ultraviolet-Visible Absorption Based on Hybrid Polyphosphazene Material. <b>2012</b> , 213, 1590-1595		38
461	Non-spherical soft supraparticles from microgel building blocks. <b>2012</b> , 33, 1286-93		13
460	Magnetic transport, mixing and release of cargo with tailored nanoliter droplets. <i>Advanced Materials</i> , <b>2012</b> , 24, 2582-7, 2510	24	45
459	Stabilization of Water Droplets in an Oily Matrix Exclusively by Gel Formation. <b>2012</b> , 35, 754-760		1



458	Liquid-Liquid microflows in micro-sieve dispersion devices with dual pore size. <b>2012</b> , 12, 705-714		7
457	Highly magnetizable superparamagnetic colloidal aggregates with narrowed size distribution from ferrofluid emulsion. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 374, 102-10	9.3	15
456	Thermo-responsive monodisperse core-shell microspheres with PNIPAM core and biocompatible porous ethyl cellulose shell embedded with PNIPAM gates. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 376, 97-106	9.3	57
455	Nano-gel containing thermo-responsive microspheres with fast response rate owing to hierarchical phase-transition mechanism. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 377, 137-44	9.3	13
454	An Experimental Study of Liquid-Liquid Microflow Pattern Maps Accompanied with Mass Transfer. <b>2012</b> , 20, 18-26		17
453	Supercritical microfluidics: Opportunities in flow-through chemistry and materials science. <b>2012</b> , 66, 251-264		109
452	Porous polymer particles: A comprehensive guide to synthesis, characterization, functionalization and applications. <b>2012</b> , 37, 365-405		368
451	Controlled synthesis of 3D multi-compartmental particles with centrifuge-based microdroplet formation from a multi-barrelled capillary. <i>Advanced Materials</i> , <b>2012</b> , 24, 1340-6	24	153
450	A novel surgery-like strategy for droplet coalescence in microchannels. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3653-7	7.2	29
449	Hydrogel-based microactuators with remote-controlled locomotion and fast Pb <sup>2+</sup> -response for micromanipulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 7219-26	9.5	21
448	Microfluidic-directed assembly of uniform fluorescent supraballs from CdTe nanocrystals-loaded acrylosilane microemulsion. <b>2013</b> , 291, 2147-2154		1
447	Coalescences of microdroplets at a cross-shaped microchannel junction without strictly synchronism control. <i>Chemical Engineering Journal</i> , <b>2013</b> , 227, 90-96	14.7	24
446	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
445	Gas-core triple emulsions for ultrasound triggered release. <i>Soft Matter</i> , <b>2013</b> , 9, 38-42	3.6	31
444	Microfluidic architectures for efficient generation of chemistry gradations in droplets. <b>2013</b> , 14, 235-245		13
443	Microgel capsules tailored by droplet-based microfluidics. <b>2013</b> , 14, 295-304		52
442	Elaborate Design Strategies Toward Novel Microcarriers for Controlled Encapsulation and Release. <b>2013</b> , 30, 9-45		59
441	Controlled production of double emulsions in dual-coaxial capillaries device for millimeter-scale hollow polymer spheres. <i>Chemical Engineering Science</i> , <b>2013</b> , 104, 55-63	4.4	42

440	Building functional materials for health care and pharmacy from microfluidic principles and Flow Focusing. <b>2013</b> , 65, 1447-69		75
439	Small but smart: sensitive microgel capsules. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11462-164	16.4	103
438	Label-free electrical quantification of amplified nucleic acids through nanofluidic diodes. <b>2013</b> , 50, 78-83		20
437	Rheology investigation of the globule of multiple emulsions with complex internal structures through a boundary element method. <i>Chemical Engineering Science</i> , <b>2013</b> , 96, 87-97	4.4	21
436	Advanced materials and processing for drug delivery: the past and the future. <b>2013</b> , 65, 104-20		708
435	Small-angle X-ray scattering in droplet-based microfluidics. <i>Lab on A Chip</i> , <b>2013</b> , 13, 1529-37	7.2	38
434	Microfluidic fabrication of monodisperse microcapsules for glucose-response at physiological temperature. <i>Soft Matter</i> , <b>2013</b> , 9, 4150	3.6	74
433	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
432	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
431	Microfluidic methods for forming liposomes. <i>Lab on A Chip</i> , <b>2013</b> , 13, 752-67	7.2	264
430	Passive breakups of isolated drops and one-dimensional assemblies of drops in microfluidic geometries: experiments and models. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3022-32	7.2	34
429	Encyclopedia of Biophysics. <b>2013</b> , 814-815		
428	Hole-shell microparticles from controllably evolved double emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8084-7	16.4	107
427	Encyclopedia of Biophysics. <b>2013</b> , 765-768		2
426	A review of the theory, methods and recent applications of high-throughput single-cell droplet microfluidics. <b>2013</b> , 46, 114005		145
425	Multiphase flow microfluidics for the production of single or multiple emulsions for drug delivery. <b>2013</b> , 65, 1420-46		268
424	Preparation of monodisperse calcium alginate microcapsules via internal gelation in microfluidic-generated double emulsions. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 404, 85-90	9.3	91
423	Droplet-based microfluidics. <b>2013</b> , 949, 207-30		24

422	Microfluidic preparation and self diffusion PFG-NMR analysis of monodisperse water-in-oil-in-water double emulsions. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 389, 147-56	9.3	30
421	Thermo-driven microcrawlers fabricated via a microfluidic approach. <b>2013</b> , 46, 114007		10
420	Micro magnetofluidics: droplet manipulation of double emulsions based on paramagnetic ionic liquids. <i>Lab on A Chip</i> , <b>2013</b> , 13, 4542-8	7.2	18
419	Microdroplet-based synthesis and centrifuge-free retrieval of nanoparticles via a continuous flow micropost array railing system. <b>2013</b> ,		1
418	Large-scale droplet production in microfluidic devices—An industrial perspective. <b>2013</b> , 46, 114008		77
417	Methodology for the Evaluation of Double-Layered Microcapsule Formability Zone in Compound Nozzle Jetting Based on Growth Rate Ratio. <b>2013</b> , 135, 510011-510018		6
416	Encyclopedia of Biophysics. <b>2013</b> , 779-784		
415	Supramolecular hydrogel capsules based on PEG: a step toward degradable biomaterials with rational design. <b>2013</b> , 34, 1401-7		29
414	Multiphase Flow. <b>2013</b> , 1-40		1
413	Double, Triple and Complex Multilayered Emulsions. <b>2013</b> , 345-361		2
412	Klein aber fein: sensitive Mikrogelkapseln. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11674-11680	3.6	8
411	HoleShell Microparticles from Controllably Evolved Double Emulsions. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8242-8245	3.6	6
410	How Hollow Are Thermoresponsive Hollow Nanogels?. <b>2014</b> , 47, 8700-8708		47
409	Encapsulation of oil in silk fibroin biomaterials. <b>2014</b> , 131, n/a-n/a		12
408	Microfabrication Technology in Tissue Engineering. <b>2014</b> , 283-310		4
407	Understanding Food Structures: The Colloid Science Approach. <b>2014</b> , 3-49		6
406	Versatile preparation of nonspherical multiple hydrogel core PAM/PEG emulsions and hierarchical hydrogel microarchitectures. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7504-9	16.4	26
405	Versatile Preparation of Nonspherical Multiple Hydrogel Core PAM/PEG Emulsions and Hierarchical Hydrogel Microarchitectures. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7634-7639	3.6	1

404	Microfluidic design of complex emulsions. <b>2014</b> , 15, 21-9		43
403	Possible oriented transition of multiple-emulsion globules with asymmetric internal structures in a microfluidic constriction. <i>Physical Review E</i> , <b>2014</b> , 89, 052302	2.4	17
402	Microfluidic approach for encapsulation via double emulsions. <b>2014</b> , 18, 35-41		29
401	Osmotically Driven Formation of Double Emulsions Stabilized by Amphiphilic Block Copolymers. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8379-8384	3.6	4
400	Osmotically driven formation of double emulsions stabilized by amphiphilic block copolymers. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8240-5	16.4	47
399	Sensitive microgels as model colloids and microcapsules. <b>2014</b> , 52, 435-449		23
398	Coaxial flow focusing in poly(dimethylsiloxane) microfluidic devices. <b>2014</b> , 8, 016502		20
397	One-step synthesis of "rattle-like" polymer particles via suspension polymerization. <b>2014</b> , 50, 9921-4		16
396	Controlled formation of double-emulsion drops in sudden expansion channels. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 415, 26-31	9.3	23
395	Microfluidic assembly of uniform fluorescent microbeads from quantum-dot-loaded fluorine-containing microemulsion. <b>2014</b> , 63, 1953-1958		3
394	Multiple emulsion formation from controllable drop pairs in microfluidics. <b>2014</b> , 17, 967-972		13
393	Micro Process Technology, 3. Applications. <b>2014</b> , 1-42		1
392	Understanding drop-pattern formation in 2-D microchannels: a multi-agent approach. <b>2014</b> , 17, 527-537		5
391	Microfluidic fabrication and permeation behaviors of uniform zwitterionic hydrogel microparticles and shells. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 426, 162-9	9.3	17
390	Microcapsule mechanics: from stability to function. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 207, 65-80	14.3	112
389	Simple and inexpensive microfluidic devices for the generation of monodisperse multiple emulsions. <b>2014</b> , 24, 015019		18
388	One-step microfluidic approach for controllable production of gas-in-water-in-oil (G/W/O) double emulsions and hollow hydrogel microspheres. <b>2014</b> , 4, 16444		21
387	Smart microcapsules for direction-specific burst release of hydrophobic drugs. <b>2014</b> , 4, 46568-46575		19

386	Magnetically transportable core-shell emulsion droplets with an antioxidative all-organic paramagnetic liquid shell. <b>2014</b> , 2, 4130-4133		11
385	A pendant drop method for the production of calibrated double emulsions and emulsion gels. <b>2014</b> , 4, 28504-28510		14
384	Commensurability-driven structural defects in double emulsions produced with two-step microfluidic techniques. <i>Soft Matter</i> , <b>2014</b> , 10, 4743-8	3.6	4
383	Microfluidic preparation and structure evolution of double emulsions with two-phase cores. <b>2014</b> , 4, 1900-1906		19
382	Synthesis and Characterization of Hydrogenated Rosin/Polyacrylate Composite Emulsions by Two-Step Mini-Emulsion Polymerization Method. <b>2014</b> , 51, 712-717		1
381	Monodisperse and fast-responsive poly(N-isopropylacrylamide) microgels with open-celled porous structure. <i>Langmuir</i> , <b>2014</b> , 30, 1455-64	4	40
380	Aqueous two-phase extraction for bovine serum albumin (BSA) with co-laminar flow in a simple coaxial capillary microfluidic device. <b>2014</b> , 16, 483-491		25
379	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
378	Double emulsions and colloidosomes-in-colloidosomes using silica-based Pickering emulsifiers. <i>Langmuir</i> , <b>2014</b> , 30, 2703-11	4	42
377	Functional polymeric microparticles engineered from controllable microfluidic emulsions. <b>2014</b> , 47, 373-84		186
376	The Non-effect of Polymer-Network Inhomogeneities in Microgel Volume Phase Transitions: Support for the Mean-Field Perspective. <b>2014</b> , 215, 1116-1133		24
375	A novel smart microsphere with magnetic core and ion-recognizable shell for Pb <sup>2+</sup> adsorption and separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9530-42	9.5	56
374	Production of food-grade multiple emulsions with high encapsulation yield using oscillating membrane emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 458, 78-84	5.1	22
373	Microfluidics-assisted engineering of polymeric microcapsules with high encapsulation efficiency for protein drug delivery. <b>2014</b> , 472, 82-7		66
372	Deformation of spherical compound capsules in simple shear flow. <b>2015</b> , 775, 77-104		51
371	An unexpected stabilization factor during destabilization of a Janus emulsion. <b>2015</b> , 8, 14-16		4
370	Controlling properties of micro- to nano-sized dispersions using emulsification devices. <b>2015</b> , 69-90		3
369	Microfluidic-based fabrication, characterization and magnetic functionalization of microparticles with novel internal anisotropic structure. <b>2015</b> , 5, 13060		18

368	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15481-15485	3.6	12
367	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15266-70	16.4	63
366	Role of Interfacial Force on Multiphase Microflow: An Important Meso-Scientific Issue. <b>2015</b> , 47, 163-191		1
365	. <b>2015</b> ,		20
364	Microfluidic fabrication and thermal characteristics of core-shell phase change microfibers with high paraffin content. <b>2015</b> , 87, 471-480		19
363	Double emulsion production in glass capillary microfluidic device: Parametric investigation of droplet generation behaviour. <i>Chemical Engineering Science</i> , <b>2015</b> , 130, 183-196	4.4	92
362	Perturbation-induced droplets for manipulating droplet structure and configuration in microfluidics. <b>2015</b> , 25, 084009		16
361	Monodisperse hybrid microcapsules with an ultrathin shell of submicron thickness for rapid enzyme reactions. <b>2015</b> , 3, 796-803		15
360	Cellulose nanofibrils for one-step stabilization of multiple emulsions (W/O/W) based on soybean oil. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 445, 166-173	9.3	46
359	Controlled fabrication of multicompartmental polymeric microparticles by sequential micromolding via surface-tension-induced droplet formation. <i>Langmuir</i> , <b>2015</b> , 31, 1328-35	4	22
358	Direct manipulation of particle size and morphology of ordered mesoporous silica by flow synthesis. <b>2015</b> , 5, 13331-13340		36
357	Increased drop formation frequency via reduction of surfactant interactions in flow-focusing microfluidic devices. <i>Langmuir</i> , <b>2015</b> , 31, 1218-24	4	17
356	Microfluidic fabrication of chitosan microfibers with controllable internals from tubular to peapod-like structures. <b>2015</b> , 5, 928-936		46
355	Thermoswitching microgel carriers improve neuronal cell growth and cell release for cell transplantation. <b>2015</b> , 21, 65-76		19
354	Possible effects of complex internal structures on the apparent viscosity of multiple emulsions. <i>Chemical Engineering Science</i> , <b>2015</b> , 135, 381-392	4.4	22
353	Ready-to-use, flow: simple fabrication of microdroplet generators and their use in the synthesis of PolyHIPE microspheres. <b>2015</b> , 25, 035011		11
352	In situ microfluidic fabrication of multi-shape inorganic/organic hybrid particles with controllable surface texture and porous internal structure. <b>2015</b> , 5, 12872-12878		10
351	Programmable digital droplet microfluidics using a multibarrel capillary bundle. <b>2015</b> , 220, 992-999		6

350	Merging drops in a Teflon tube, and transferring fluid between them, illustrated by protein crystallization and drug screening. <i>Lab on A Chip</i> , <b>2015</b> , 15, 3766-75	7.2	6
349	Dynamics of double emulsion break-up in three phase glass capillary microfluidic devices. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 450, 279-287	9.3	50
348	Membrane-Integrated Glass Capillary Device for Preparing Small-Sized Water-in-Oil-in-Water Emulsion Droplets. <i>Langmuir</i> , <b>2015</b> , 31, 7166-72	4	23
347	One-pot microfluidic fabrication of graphene oxide-patched hollow hydrogel microcapsules with remarkable shell impermeability. <b>2015</b> , 51, 12756-9		16
346	Cooperative breakups induced by drop-to-drop interactions in one-dimensional flows of drops against micro-obstacles. <i>Soft Matter</i> , <b>2015</b> , 11, 2454-60	3.6	7
345	Microorganism-based monodisperse microcapsules: encapsulation of the fungicide tebuconazole and its controlled release properties. <b>2015</b> , 5, 25164-25170		8
344	Robust Microcompartments with Hydrophobically Gated Shells. <i>Langmuir</i> , <b>2015</b> , 31, 6965-70	4	11
343	Encyclopedia of Microfluidics and Nanofluidics. <b>2015</b> , 3027-3037		
342	Compound droplet manipulations on fiber arrays. <i>Soft Matter</i> , <b>2015</b> , 11, 7086-91	3.6	20
341	A nano-micro alternating multilayer scaffold loading with rBMSCs and BMP-2 for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 133, 286-95	6	14
340	Spatial wettability patterning of glass microchips for water-in-oil-in-water (W/O/W) double emulsion preparation. <b>2015</b> , 215, 330-336		17
339	Poly(2-oxazoline)-Based Microgel Particles for Neuronal Cell Culture. <b>2015</b> , 16, 1516-24		23
338	Uniform Microparticles with Controllable Highly Interconnected Hierarchical Porous Structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13758-67	9.5	43
337	Microfluidic-assisted fabrication of flexible and location traceable organo-motor. <b>2015</b> , 14, 298-304		13
336	Microfluidic Generation of Porous Particles Encapsulating Spongy Graphene for Oil Absorption. <i>Small</i> , <b>2015</b> , 11, 3890-5	11	57
335	Review of the applications of microreactors. <b>2015</b> , 47, 519-539		181
334	Microfluidic emulsification through a monolithic integrated glass micronozzle suspended inside a flow-focusing geometry. <b>2015</b> , 106, 174101		12
333	Investigating Arrangement of Composite Drops in Two-Dimensional Microchannels Using Multiagent Simulations: A Design Perspective. <b>2015</b> , 54, 10835-10842		3

332	Monodisperse microspheres from supramolecular complexing polylactides. <b>2015</b> , 161, 471-475		13
331	Synthesis of magnetite-gold nanoparticles with core-shell structure. <b>2015</b> , 70, 149-156		10
330	Microfluidic synthesis of barcode particles for multiplex assays. <i>Small</i> , <b>2015</b> , 11, 151-74	11	159
329	Fabrication of glass-based microfluidic devices with dry film photoresists as pattern transfer masks for wet etching. <b>2015</b> , 5, 5638-5646		42
328	Microfluidic emulsification in food processing. <b>2015</b> , 147, 1-7		42
327	Robust coaxial capillary microfluidic device for the high throughput formation of polymersomes. <b>2015</b> , 18, 149-157		9
326	Microfluidic method for creating monodisperse viscous single emulsions via core-shell templating. <b>2015</b> , 18, 383-390		8
325	Operation of Droplet-Microfluidic Devices with a Lab Centrifuge. <b>2016</b> , 7,		10
324	Encapsulation properties, release behavior and physicochemical characteristics of water-in-oil-in-water (W/O/W) emulsion stabilized with pectin-bea protein isolate conjugate and Tween 80. <b>2016</b> , 61, 599-608		42
323	On the stability of the production of bubbles in yield-stress fluid using flow-focusing and T-junction devices. <i>Physics of Fluids</i> , <b>2016</b> , 28, 063103	4.4	8
322	Dynamics of nonspherical compound capsules in simple shear flow. <i>Physics of Fluids</i> , <b>2016</b> , 28, 101901	4.4	29
321	Numerical study of double emulsion formation in microchannels by a ternary Lattice Boltzmann method. <i>Chemical Engineering Science</i> , <b>2016</b> , 146, 126-134	4.4	43
320	Recent advances in the production of controllable multiple emulsions using microfabricated devices. <b>2016</b> , 24, 1-17		35
319	Microfluidic technology for multiphase emulsions morphology adjustment and functional materials preparation. <b>2016</b> , 24, 677-692		16
318	The microfluidic synthesis of composite hollow microfibers for K-responsive controlled release based on a host-guest system. <b>2016</b> , 4, 3925-3935		16
317	Spontaneous transfer of droplets across microfluidic laminar interfaces. <i>Lab on A Chip</i> , <b>2016</b> , 16, 4326-4332		10
316	Coalescence of Janus droplets prepared by one-step vibrational mixing. <b>2016</b> , 294, 1815-1821		7
315	A reproducible approach to the assembly of microcapillaries for double emulsion production. <b>2016</b> , 20, 1		13



314	On-chip thermo-triggered coalescence of controllable Pickering emulsion droplet pairs. <b>2016</b> , 6, 64182-64192	21
313	A facile synthesis, structural morphology and fluorescent properties of cross-linked poly(cyclotriphosphazene-co-1,3,5-tri(4-hydroxyphenyl)benzene) hybrid copolymer microspheres. <b>2016</b> , 40, 8418-8423	10
312	Recent advances in multiple emulsions and their application as templates. <b>2016</b> , 25, 98-108	50
311	Time-Profile Measurement of an Emulsion Using Multiphoton Ionization Time-of-Flight Mass Spectrometry in Combination with a Microscope. <b>2016</b> , 32, 1059-1063	11
310	Evaluating the Aging of Multiple Emulsions Using Resonance-Enhanced Multiphoton Ionization Time-of-Flight Mass Spectrometry. <b>2016</b> , 32, 789-95	12
309	Microfluidic production of multiple emulsions and functional microcapsules. <i>Lab on A Chip</i> , <b>2016</b> , 16, 3415-40	7.2 137
308	Mass-Transfer-Induced Multistep Phase Separation in Emulsion Droplets: Toward Self-Assembly Multilayered Emulsions and Onionlike Microspheres. <i>Langmuir</i> , <b>2016</b> , 32, 7882-7	4 14
307	Interfacial Tension; a Stabilizing Factor for Janus Emulsions of Silicone Bixa Orellana Oils. <b>2016</b> , 19, 1009-1014	1
306	Droplet generation in cross-flow for cost-effective 3D-printed plug-and-play microfluidic devices. <b>2016</b> , 6, 81120-81129	35
305	Liposome production by microfluidics: potential and limiting factors. <b>2016</b> , 6, 25876	182
304	Droplet-based microfluidics for artificial cell generation: a brief review. <b>2016</b> , 6, 20160011	93
303	Microfluidic fabrication of magnetic porous multi-walled carbon nanotube beads for oil and organic solvent adsorption. <b>2016</b> , 4, 10479-10485	30
302	Balancing soft elasticity and low surface polarity in films of charged BSA capsules at air/fluid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 146, 161-70	6 5
301	Recent studies of Janus emulsions prepared by one-step vibrational mixing. <b>2016</b> , 25, 58-66	22
300	Bubble Meets Droplet: Particle-Assisted Reconfiguration of Wetting Morphologies in Colloidal Multiphase Systems. <i>Small</i> , <b>2016</b> , 12, 3309-19	11 17
299	Microfluidic fabrication of oil-filled polymeric microcapsules with independently controllable size and shell thickness via Janus to core-shell evolution of biphasic droplets. <b>2016</b> , 223, 209-216	20
298	Osmotic pressure-triggered cavitation in microcapsules. <i>Lab on A Chip</i> , <b>2016</b> , 16, 251-5	7.2 21
297	Controllable Multicompartmental Capsules with Distinct Cores and Shells for Synergistic Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8743-54	9.5 37

296	Microfluidics as a cutting-edge technique for drug delivery applications. <b>2016</b> , 34, 76-87		49
295	Microfluidic devices fabricated using stereolithography for preparation of monodisperse double emulsions. <i>Chemical Engineering Journal</i> , <b>2016</b> , 290, 400-404	14.7	41
294	Magnetic-Directed Assembly from Janus Building Blocks to Multiplex Molecular-Analogue Photonic Crystal Structures. <b>2016</b> , 138, 566-73		74
293	Laser ionization time-of-flight mass spectrometry for the evaluation of a local microenvironment in an emulsion. <b>2016</b> , 8, 270-274		11
292	One-step production of multiple emulsions: microfluidic, polymer-stabilized and particle-stabilized approaches. <i>Soft Matter</i> , <b>2016</b> , 12, 998-1008	3.6	68
291	Insertion and confinement of air bubbles inside a liquid marble. <i>Soft Matter</i> , <b>2016</b> , 12, 542-5	3.6	5
290	Controllable microfluidic strategies for fabricating microparticles using emulsions as templates. <b>2016</b> , 24, 18-31		43
289	A $\beta$ perfect Janus emulsion—Thermodynamic factors. <b>2017</b> , 38, 594-597		8
288	Fabrication of microfluidic structures in quartz via micro machining technologies. <b>2017</b> , 23, 1661-1669		5
287	Single, Janus, and Cerberus emulsions from the vibrational emulsification of oils with significant mutual solubility. <i>Soft Matter</i> , <b>2017</b> , 13, 1012-1019	3.6	15
286	Recent advances in engineering microparticles and their nascent utilization in biomedical delivery and diagnostic applications. <i>Lab on A Chip</i> , <b>2017</b> , 17, 591-613	7.2	78
285	Macroporous materials: microfluidic fabrication, functionalization and applications. <b>2017</b> , 46, 855-914		99
284	Encapsulation of $\beta$ itosterol plus $\beta$ ryzanol in O/W emulsions: Formulation characteristics and stability evaluation with microchannel emulsification. <b>2017</b> , 102, 222-232		15
283	High-throughput synthesis of cross-linked poly(cyclotriphosphazene-co-bis(aminomethyl)ferrocene) microspheres and their performance as a superparamagnetic, electrochemical, fluorescent and adsorbent material. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 448-458	14.7	26
282	Core-shell Structure Formation from Droplets by Droplet Shrinkage and Spontaneous Emulsification. <b>2017</b> , 46, 460-462		1
281	Controlled Generation of Ultrathin-Shell Double Emulsions and Studies on Their Stability. <b>2017</b> , 18, 1393-1399		23
280	Role of local geometry on droplet formation in axisymmetric microfluidics. <i>Chemical Engineering Science</i> , <b>2017</b> , 163, 56-67	4.4	44
279	Microfluidic Encapsulation of Human Mesenchymal Stem Cells for Articular Cartilage Tissue Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8589-8601	9.5	78

278	Four reversible and reconfigurable structures for three-phase emulsions: extended morphologies and applications. <b>2017</b> , 7, 42738		17
277	A single microfluidic chip with dual surface properties for protein drug delivery. <b>2017</b> , 521, 84-91		9
276	Advances in Droplet-Based Microfluidic Technology and Its Applications. <b>2017</b> , 45, 282-296		34
275	Magnetic ionic liquid-water Janus droplets: Preparation, structure and morphology adjustment and magnetic manipulation. <i>AIChE Journal</i> , <b>2017</b> , 63, 4115-4123	3.6	9
274	Microfluidic fabrication of responsive hierarchical microscale particles from macroscale materials and nanoscale particles. <b>2017</b> , 247, 78-91		17
273	Monodisperse Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O Microparticles against Supercooling and Phase Separation during Phase Change for Efficient Energy Storage. <b>2017</b> , 56, 3297-3308		22
272	Microfluidic Fabrication of Monodisperse Hydrogel Microparticles. <b>2017</b> , 55-77		
271	Interplay between materials and microfluidics. <b>2017</b> , 2,		179
270	Introduction. <b>2017</b> , 1-9		
269	Microfluidic Fabrication of Controllable Multicompartmental Microparticles. <b>2017</b> , 211-221		
268	Summary and Perspective. <b>2017</b> , 295-298		
267	Microfluidic Fabrication of Monodisperse Hollow Microcapsules. <b>2017</b> , 123-160		
266	Microfluidic Fabrication of Monodisperse Core-Shell Microcapsules. <b>2017</b> , 161-185		
265	Microfluidic Fabrication of Monodisperse Hole-Shell Microparticles. <b>2017</b> , 187-209		
264	Magnetic porous graphene/multi-walled carbon nanotube beads from microfluidics: a flexible and robust oil/water separation material. <b>2017</b> , 7, 25334-25340		13
263	Shear-Induced Generation of Controllable Multiple Emulsions in Microfluidic Devices. <b>2017</b> , 11-34		
262	Wetting-Induced Generation of Controllable Multiple Emulsions in Microfluidic Devices. <b>2017</b> , 35-53		
261	Microfluidic Fabrication of Uniform Hierarchical Porous Microparticles. <b>2017</b> , 105-121		

260 Microfluidic Fabrication of Monodisperse Porous Microparticles. **2017**, 79-104

259	Breakup of confined drops against a micro-obstacle: an analytical model for the drop size distribution. <b>2017</b> , 21, 1		4
258	From core-shell to Janus: Microfluidic preparation and morphology transition of Gas/Oil/Water emulsions. <i>Chemical Engineering Science</i> , <b>2017</b> , 172, 100-106	4.4	13
257	Organ regeneration: integration application of cell encapsulation and 3D bioprinting. <b>2017</b> , 12, 279-289		8
256	Formulation, stabilisation and encapsulation of bacteriophage for phage therapy. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 249, 100-133	14.3	200
255	Emerging Droplet Microfluidics. <i>Chemical Reviews</i> , <b>2017</b> , 117, 7964-8040	68.1	746
254	Numerical and experimental study of oil-in-water (O/W) droplet formation in a co-flowing capillary device. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 533, 1-8	5.1	32
253	Prediction and control of drop formation modes in microfluidic generation of double emulsions by single-step emulsification. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 315-324	9.3	39
252	Mechanisms and control of single-step microfluidic generation of multi-core double emulsion droplets. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 140-148	14.7	54
251	Effect of polymer network inhomogeneity on the volume phase transitions of thermo- and pH-sensitive weakly charged microgels. <b>2017</b> , 295, 507-520		6
250	Multiple Water-in-Oil-in-Water Emulsion Gels Based on Self-Assembled Saponin Fibrillar Network for Photosensitive Cargo Protection. <b>2017</b> , 65, 9735-9743		28
249	One-Step Bulk Fabrication of Polymer-Based Microcapsules with Hard-Soft Bilayer Thick Shells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37364-37373	9.5	4
248	Sequential Coalescence Enabled Two-Step Microreactions in Triple-Core Double-Emulsion Droplets Triggered by an Electric Field. <i>Small</i> , <b>2017</b> , 13, 1702188	11	26
247	A review on self-assembly in microfluidic devices. <b>2017</b> , 27, 113002		27
246	Complex Emulsions by Extracting Water from Homogeneous Solutions Comprised of Aqueous Three-Phase Systems. <i>Langmuir</i> , <b>2017</b> , 33, 12670-12680	4	22
245	All-Aqueous Assemblies via Interfacial Complexation: Toward Artificial Cell and Microniche Development. <i>Langmuir</i> , <b>2017</b> , 33, 10107-10117	4	24
244	Controllable Microfluidic Fabrication of Microstructured Materials from Nonspherical Particles to Helices. <b>2017</b> , 38, 1700429		14
243	Functional aqueous droplet networks. <b>2017</b> , 13, 1658-1691		44

242	Generation and characterization of monodisperse deformable alginate and pNIPAM microparticles with a wide range of shear moduli. <i>Soft Matter</i> , <b>2017</b> , 13, 5785-5794	3.6	10
241	Emulsion templated vesicles with symmetric or asymmetric membranes. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 247, 413-425	14.3	9
240	Effect of conducting core on the dynamics of a compound drop in an AC electric field. <i>Physics of Fluids</i> , <b>2017</b> , 29, 112108	4.4	10
239	Multichannel Dynamic Interfacial Printing: An Alternative Multicomponent Droplet Generation Technique for Lab in a Drop. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43545-43552	9.5	17
238	Direct Observation of Splitting in Oil-In-Water-In-Oil Emulsion Droplets via a Microchannel Mimicking Membrane Pores. <i>Langmuir</i> , <b>2017</b> , 33, 14087-14092	4	9
237	Emulsions. <b>2017</b> , 1-15		
236	Engineering Compartmentalized Biomimetic Micro- and Nanocontainers. <b>2017</b> , 11, 6549-6565		127
235	AWE-somes: All Water Emulsion Bodies with Permeable Shells and Selective Compartments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25023-25028	9.5	34
234	Microfluidics and Macromolecules: Top-Down Analytics and Bottom-Up Engineering of Soft Matter at Small Scales. <b>2017</b> , 218, 1600280		8
233	A Quantitative Analysis of an Oil Component in an Emulsion by Multiphoton Ionization Mass Spectrometry. <b>2017</b> , 33, 1067-1070		6
232	Surface Free Energy-Induced Assembly to the Synthesis of Grid-Like Multicavity Carbon Spheres with High Level In-Cavity Encapsulation for Lithium Sulfur Cathode. <b>2017</b> , 7, 1701518		43
231	Droplet Microfluidics for the Production of Microparticles and Nanoparticles. <b>2017</b> , 8, 22		68
230	Microfluidic Production of Multiple Emulsions. <b>2017</b> , 8, 75		78
229	Microfluidic Production of Capsules-in-Capsules for Programed Release of Multiple Ingredients. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800006	6.8	22
228	Dynamics of deformation and pinch-off of a migrating compound droplet in a tube. <i>Physical Review E</i> , <b>2018</b> , 97, 043112	2.4	25
227	Controlled Generation of Double Emulsions for Laser Fusion Target Fabrication Using a Glass Capillary Microfluidic Device. <b>2018</b> , 73, 258-264		5
226	Tailoring Delivery System Functionality Using Microfluidics. <b>2018</b> , 9, 481-501		13
225	Efficient Production of 5-Hydroxymethylfurfural Enhanced by Liquid-Liquid Extraction in a Membrane Dispersion Microreactor. <b>2018</b> , 6, 3992-3999		24

224	Encoding materials for programming a temporal sequence of actions. <b>2018</b> , 6, 1433-1448		4
223	Strong Dual-Compartment Microcapsules Loaded with High Cargo Contents. <i>Langmuir</i> , <b>2018</b> , 34, 205-212		2
222	Recent advances of PLGA micro/nanoparticles for the delivery of biomacromolecular therapeutics. <b>2018</b> , 92, 1041-1060		141
221	Microfluidic Approaches for Designing Multifunctional Polymeric Microparticles from Simple Emulsions to Complex Particles. <b>2018</b> , 375-404		1
220	High aspect ratio induced spontaneous generation of monodisperse picolitre droplets for digital PCR. <b>2018</b> , 12, 014103		15
219	Versatile Synthesis of Amine-Reactive Microgels by Self-Assembly of Azlactone-Containing Block Copolymers. <b>2018</b> , 51, 3691-3701		8
218	Verkapselungseffizienz und Freisetzungverhalten fettbasierter Mikrokapseln mit lipophilen Emulgatoren. <b>2018</b> , 90, 562-567		1
217	Generation of Water-In-Oil-In-Water (W/O/W) Double Emulsions by Microfluidics. <b>2018</b> , 46, 324-330		9
216	A Modular Microfluidic Device via Multimaterial 3D Printing for Emulsion Generation. <b>2018</b> , 8, 4791		64
215	Facile Fabrication of Bubble-Propelled Micromotors Carrying Nanocatalysts for Water Remediation. <b>2018</b> , 57, 4562-4570		21
214	Real-time size modulation and synchronization of a microfluidic dropmaker with pulsed surface acoustic waves (SAW). <b>2018</b> , 8, 4541		4
213	Flow structure of compound droplets moving in microchannels. <i>Physics of Fluids</i> , <b>2018</b> , 30, 012114	4.4	20
212	Trojan-Horse-Like Stimuli-Responsive Microcapsules. <b>2018</b> , 5, 1700960		57
211	Multiple layers and conjugate materials for food emulsion stabilization. <b>2018</b> , 58, 877-892		35
210	Dynamic formation and scaling law of hollow droplet with gas/oil/water system in dual-coaxial microfluidic devices. <i>AIChE Journal</i> , <b>2018</b> , 64, 730-739	3.6	10
209	Photo-Crosslinkable Unnatural Amino Acids Enable Facile Synthesis of Thermoresponsive Nano- to Microgels of Intrinsically Disordered Polypeptides. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704878	24	36
208	A review of microfluidic concepts and applications for atmospheric aerosol science. <b>2018</b> , 52, 310-329		31
207	Smart Amphiphilic Janus Microparticles: One-Step Synthesis and Self-Assembly. <b>2018</b> , 19, 2009-2013		11

206	Interfacial Compression-Dependent Merging of Two Miscible Microdroplets in an Asymmetric Cross-Junction for In Situ Microgel Formation. <b>2018</b> , 26, 1143-1149		5
205	Structural Formation of Oil-in-Water (O/W) and Water-in-Oil-in-Water (W/O/W) Droplets in PDMS Device Using Protrusion Channel without Hydrophilic Surface Treatment. <b>2018</b> , 9,		9
204	Interfacial Emulsification: An Emerging Monodisperse Droplet Generation Method for Microreactors and Bioanalysis. <i>Langmuir</i> , <b>2018</b> , 34, 11655-11666	4	15
203	Controllable Microfluidic Fabrication of Magnetic Hybrid Microswimmers with Hollow Helical Structures. <b>2018</b> , 57, 9430-9438		19
202	Droplet microfluidics for the construction of compartmentalised model membranes. <i>Lab on A Chip</i> , <b>2018</b> , 18, 2488-2509	7.2	60
201	Shell microparticles of morphology controlled and inner-modified hole from sequential inkjet-printed double emulsions. <b>2018</b> , 61, 1465-1469		2
200	Microfluidic Devices for Drug Delivery Systems and Drug Screening. <b>2018</b> , 9,		155
199	Equilibrium morphology of gas-liquid Janus droplets: A numerical analysis of buoyancy effect. <b>2018</b> , 26, 2121-2126		1
198	Assembly of colloidal particles in solution. <b>2018</b> , 81, 126601		33
197	Microfluidic approaches for the design of functional materials. <b>2018</b> , 199, 1-15		10
196	Chiral Photonic Crystalline Microcapsules with Strict Monodispersity, Ultrahigh Thermal Stability, and Reversible Response. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18289-18299	9.5	19
195	Cholesteric Liquid Crystal Shells as Enabling Material for Information-Rich Design and Architecture. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707382	24	57
194	Choosing the right delivery systems for functional ingredients in foods: an industrial perspective. <b>2018</b> , 21, 15-25		13
193	Generation of High-Order All-Aqueous Emulsion Drops by Osmosis-Driven Phase Separation. <i>Small</i> , <b>2018</b> , 14, e1802107	11	33
192	A hybrid modular microfluidic device for emulsion generation. <b>2018</b> , 280, 422-428		19
191	Dual-responsive microcarriers with sphere-in-capsule structures for co-encapsulation and sequential release. <b>2019</b> , 98, 63-69		5
190	Fabrication of Multicore Milli- and Microcapsules for Controlling Hydrophobic Drugs Release Using a Facile Approach. <b>2019</b> , 58, 17017-17026		7
189	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

188	Laser-Induced Nanodroplet Injection and Reconfigurable Double Emulsions with Designed Inner Structures. <b>2019</b> , 6, 1900785		7
187	Pickering emulsions: Preparation processes, key parameters governing their properties and potential for pharmaceutical applications. <b>2019</b> , 309, 302-332		119
186	Chitosan microcapsule membranes with nanoscale thickness for controlled release of drugs. <b>2019</b> , 590, 117275		25
185	Synthesis of Photocatalytic Niobate Nanosheet/Polymer Composite Microgel Particles through Microfluidic Approach. <b>2019</b> , 804, 75-82		1
184	Monodisperse macroporous microspheres prepared by microfluidic methods and their oil adsorption performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 579, 123617	5.1	7
183	Robust Production of Well-Controlled Microdroplets in a 3D-Printed Chimney-Shaped Milli-Fluidic Device. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900457	6.8	13
182	Microfluidic Devices in Fabricating Nano or Micromaterials for Biomedical Applications. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900488	6.8	21
181	Electric field-driven structural changes in cholesteric shells for optical applications. <b>2019</b> , 19, 1399-1403		1
180	Integration of Horizontal and Vertical Microfluidic Modules for Core-Shell Droplet Generation and Chemical Application. <b>2019</b> , 10,		3
179	3D Droplet-Based Microfluidic Device Easily Assembled from Commercially Available Modules Online Coupled with ICPMS for Determination of Silver in Single Cell. <b>2019</b> , 91, 2869-2875		22
178	W/O/W Multiple Emulsions as the Functional Component of Dairy Products. <b>2019</b> , 42, 715-727		12
177	Cell encapsulation modes in a flow-focusing microchannel: effects of shell fluid viscosity. <b>2019</b> , 23, 1		11
176	Capillary-Based Microfluidic Fabrication of Liquid Metal Microspheres toward Functional Microelectrodes and Photothermal Medium. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25295-25305	9.5	20
175	Manipulation and Control of Structure and Size of Inorganic Nanomaterials in Microchemical Systems. <b>2019</b> , 42, 1996-2008		7
174	Microfluidic Tools for Bottom-Up Synthetic Cellularity. <b>2019</b> , 5, 1727-1742		15
173	Microfluidics for drug delivery systems. <b>2019</b> , 55-83		1
172	Droplet-based microfluidics systems in biomedical applications. <b>2019</b> , 40, 1580-1590		34
171	Liposomes for delivery of antioxidants in cosmeceuticals: Challenges and development strategies. <b>2019</b> , 300, 114-140		94



170	In-Channel Responsive Surface Wettability for Reversible and Multiform Emulsion Droplet Preparation and Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16934-16943	9.5	19
169	Production of Highly Monodisperse Millimeter-Sized Double-Emulsion Droplets in a Coaxial Capillary Device. <b>2019</b> , 42, 1330-1340		4
168	Designable Polymeric Microparticles from Droplet Microfluidics for Controlled Drug Release. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800687	6.8	41
167	Core-shell materials, lipid particles and nanoemulsions, for delivery of active anti-oxidants in cosmetics applications: challenges and development strategies. <i>Chemical Engineering Journal</i> , <b>2019</b> , 368, 88-114	14.7	38
166	Confinement-Induced Alteration of Morphologies of Oil-Water Emulsions. <i>Langmuir</i> , <b>2019</b> , 35, 3797-3804		2
165	Recent developments in microfluidic device-based preparation, functionalization, and manipulation of nano- and micro-materials. <b>2019</b> , 45, 1-19		30
164	Controllable Fabrication of Functional Microhelices with Droplet Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46241-46250	9.5	9
163	Self-Propulsion Strategies for Artificial Cell-Like Compartments. <b>2019</b> , 9,		7
162	Use of nanoparticles for oil production applications. <b>2019</b> , 172, 97-114		53
161	Double emulsions prepared by two-step emulsification: History, state-of-the-art and perspective. <b>2019</b> , 295, 31-49		77
160	The effect of demulsifier on the stability of liquid droplets: A study of micro-force balance. <b>2019</b> , 275, 157-162		3
159	State-of-the-Art and Trends in Synthesis, Properties, and Application of Quantum Dots-Based Nanomaterials. <b>2019</b> , 36, 1800302		16
158	Continuous magnetic droplets and microfluidics: generation, manipulation, synthesis and detection. <b>2019</b> , 186, 55		16
157	Bubble-Propelled Hierarchical Porous Micromotors from Evolved Double Emulsions. <b>2019</b> , 58, 1590-1600		17
156	Numerical simulation of double emulsion formation in cross-junctional flow-focusing microfluidic device using Lattice Boltzmann method. <b>2019</b> , 40, 1451-1460		5
155	Microfluidics for pharmaceutical applications. <b>2019</b> , 101-119		9
154	Lab-on-a-chip fabrication of polymeric microparticles for drug encapsulation and controlled release. <b>2019</b> , 217-280		1
153	Microextractors applied in nuclear-spent fuel reprocessing: Micro/mini plants and radiochemical analysis. <b>2019</b> , 49, 1-31		27

152	Nanoparticles and Nanocomposites With Microfluidic Technology. <b>2019</b> , 1-33		4
151	Mesoscale regulation of droplet templates to tailor microparticle structures and functions. <b>2020</b> , 48, 74-87		5
150	Microfluidic spinning of editable polychromatic fibers. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 115-122	9.3	12
149	Microfluidic Platforms toward Rational Material Fabrication for Biomedical Applications. <i>Small</i> , <b>2020</b> , 16, e1903798	11	41
148	Hydrogel microparticles for biomedical applications. <b>2020</b> , 5, 20-43		274
147	Microfluidics for Production of Particles: Mechanism, Methodology, and Applications. <i>Small</i> , <b>2020</b> , 16, e1904673	11	35
146	Capillary-Based Microfluidics-Coflow, Flow-Focusing, Electro-Coflow, Drops, Jets, and Instabilities. <i>Small</i> , <b>2020</b> , 16, e1904344	11	23
145	Colloidal Crystals from Microfluidics. <i>Small</i> , <b>2020</b> , 16, e1903931	11	23
144	Multiphase Microfluidics: Fundamentals, Fabrication, and Functions. <i>Small</i> , <b>2020</b> , 16, e1906357	11	26
143	Recent advances in inhalable liposomes for treatment of pulmonary diseases: Concept to clinical stance. <b>2020</b> , 56, 101509		24
142	Advances in ultrahigh-throughput screening for directed enzyme evolution. <b>2020</b> , 49, 233-262		95
141	Influence of liquid miscibility and wettability on the structures produced by droplet collisions. <b>2020</b> , 885,		5
140	Micro/Nanostructured Materials from Droplet Microfluidics. <b>2020</b> , 1-46		1
139	Combination of microfluidic chip and electrostatic atomization for the preparation of drug-loaded core-shell nanoparticles. <b>2020</b> , 31, 145301		9
138	Droplet-based microreactor for the production of micro/nano-materials. <b>2020</b> , 41, 833-851		12
137	Controlling the rheological properties of W/O/W multiple emulsions using osmotic swelling: Impact of WPI-pectin gelation in the internal and external aqueous phases. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110629	6	11
136	Controllable preparation of highly uniform $\gamma$ -alumina microspheres via the sol-gel route for alkoxy in a coaxial microchannel. <b>2020</b> , 93, 391-401		7
135	Core-shell microparticles: Generation approaches and applications. <b>2020</b> , 5, 417-435		31

134	One-step microdevices for synthesizing morphology-controlled ultraviolet-curable polysiloxane shell particles. <b>2020</b> , 10, 627-635		1
133	Continuous Flow Upgrading of Selected C-C Platform Chemicals Derived from Biomass. <i>Chemical Reviews</i> , <b>2020</b> , 120, 7219-7347	68.1	95
132	Simple and Continuous Fabrication of Self-Propelled Micromotors with Photocatalytic Metal-Organic Frameworks for Enhanced Synergistic Environmental Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35120-35131	9.5	29
131	Reconfigurable complex emulsions: Design, properties, and applications. <b>2020</b> , 1, 011301		11
130	Microfluidic step emulsification techniques based on spontaneous transformation mechanism: A review. <b>2020</b> , 92, 18-40		12
129	Dripping, Jetting and Regime Transition of Droplet Formation in a Buoyancy-Assisted Microfluidic Device. <b>2020</b> , 11,		1
128	Complex coacervates as artificial membraneless organelles and protocells. <b>2020</b> , 14, 051301		9
127	Sequenced Somatic Cell Reprogramming and Differentiation Inside Nested Hydrogel Droplets. <b>2020</b> , 4, e2000071		1
126	Modeling drug delivery from multiple emulsions. <i>Physical Review E</i> , <b>2020</b> , 102, 023114	2.4	11
125	Microsized 3D Hydrogel Printing System using Microfluidic Maskless Lithography and Single Axis Stepper Motor. <b>2020</b> , 14, 317-325		3
124	Dielectrophoresis Response of Water-in-Oil-in-Water Double Emulsion Droplets with Singular or Dual Cores. <b>2020</b> , 11,		6
123	Controllable microfluidic fabrication of microstructured functional materials. <b>2020</b> , 14, 061501		4
122	Phase-Change Materials for Controlled Release and Related Applications. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000660	24	70
121	Surfactant-free, UV-curable core-shell microcapsules in a hydrophilic PDMS microfluidic device. <i>AIP Advances</i> , <b>2020</b> , 10, 065101	1.5	4
120	Three-dimensional lattice Boltzmann simulation of Janus droplet formation in Y-shaped co-flowing microchannel. <i>Chemical Engineering Science</i> , <b>2020</b> , 225, 115819	4.4	6
119	Scale-up potential of photochemical microfluidic synthesis by selective dimension enlarging with agitation of microbubbles. <i>Chemical Engineering Science</i> , <b>2020</b> , 226, 115862	4.4	4
118	Polymer Capsules with Tunable Shell Thickness Synthesized via Janus-to-core shell Transition of Biphasic Droplets Produced in a Microfluidic Flow-Focusing Device. <b>2020</b> , 10, 4549		5
117	Complex microparticle architectures from stimuli-responsive intrinsically disordered proteins. <b>2020</b> , 11, 1342		25

116	Microfluidics-based fabrication of cell-laden microgels. <b>2020</b> , 14, 021501		17
115	Recent advancements in liposome technology. <b>2020</b> , 156, 4-22		122
114	A convenient plug-and-play coaxial microfluidic device and quantitative prediction of monodisperse droplets generation. <b>2020</b> , 30, 065009		2
113	Enhancement of Ultraviolet B Irradiation with a Photoluminescent Composite Film and Its Application in Photochemical Microfluidic Synthesis. <b>2020</b> , 59, 12870-12878		2
112	Controllable preparation of monodisperse alginate microcapsules with oil cores. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 569, 307-319	9.3	17
111	Lipid-Stabilized Double Emulsions Generated in Planar Microfluidic Devices. <i>Langmuir</i> , <b>2020</b> , 36, 2349-2356		11
110	Magnetic hierarchical porous SiO <sub>2</sub> microparticles from droplet microfluidics for water decontamination. <i>Soft Matter</i> , <b>2020</b> , 16, 2581-2593	3.6	7
109	Microfluidic-Assisted Fabrication of Monodisperse Core-Shell Microcapsules for Pressure-Sensitive Adhesive with Enhanced Performance. <b>2020</b> , 10,		6
108	Formulation of concentrated oil-in-water-in-oil double emulsions for fragrance encapsulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 592, 124564	5.1	14
107	Experimental study on millimeter-scale W1/O/W2 compound droplets formation in a co-flowing device with two-step structure. <i>Chemical Engineering Science</i> , <b>2020</b> , 216, 115493	4.4	3
106	Microfluidic formation of highly monodispersed multiple cored droplets using needle-based system in parallel mode. <b>2020</b> , 41, 891-901		7
105	Multiple nanoemulsions. <b>2020</b> , 5, 214-228		72
104	Novel nonequilibrium steady states in multiple emulsions. <i>Physics of Fluids</i> , <b>2020</b> , 32, 017102	4.4	16
103	Scalable microfluidic droplet on-demand generator for non-steady operation of droplet-based assays. <i>Lab on A Chip</i> , <b>2020</b> , 20, 1398-1409	7.2	7
102	Flexible Generation of Multi-Aqueous Core Hydrogel Capsules Using Microfluidic Aqueous Two-Phase System. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000045	6.8	7
101	Responsive Janus and Cerberus emulsions via temperature-induced phase separation in aqueous polymer mixtures. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 575, 88-95	9.3	21
100	Fabrication of pH-responsive monodisperse microcapsules using interfacial tension of immiscible phases. <i>Soft Matter</i> , <b>2020</b> , 16, 5139-5147	3.6	5
99	Microfluidic droplet formation in co-flow devices fabricated by micro 3D printing. <b>2021</b> , 290, 110212		12

98	Mechanisms and conditions that affect phase inversion processes: A review. <b>2021</b> , 99, 178-208		8
97	Surface-tension-induced double emulsion drops via phase separation of polymeric fluid confined in micromolds for capsule templates. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 582, 1012-1020	9.3	3
96	Confined interface vibration for femtoliter droplets generation and manipulation. <b>2021</b> , 2, 338-345		2
95	3D Rotation-Trackable and Differentiable Micromachines with Dimer-Type Structures for Dynamic Bioanalysis. <b>2021</b> , 3, 2000205		2
94	Anisotropic Microparticles from Microfluidics. <b>2021</b> , 7, 93-136		17
93	Functional microparticles from multiscale regulation of multiphase emulsions for mass-transfer intensification. <i>Chemical Engineering Science</i> , <b>2021</b> , 231, 116242	4.4	3
92	Needle-Based Formation of Double Emulsion Encapsulating Multiple Cores in Parallel Mode. <b>2021</b> , 687-690		
91	The vortex-driven dynamics of droplets within droplets. <b>2021</b> , 12, 82		11
90	The fabrication of phospholipid vesicle-based artificial cells and their functions. <b>2021</b> , 45, 3364-3376		4
89	Liquid dosage forms. <b>2021</b> , 359-379		0
88	Extracellular scaffold design for ultra-soft microtissue engineering. <b>2021</b> , 2, 1-13		0
87	Dynamic Coloration of Complex Emulsions by Localization of Gold Rings Near the Triphase Junction. <i>Small</i> , <b>2021</b> , 17, e2007507	11	3
86	Microencapsulation of <i>Lactobacillus plantarum</i> in W/O emulsions of okara oil and block-copolymers of poly(acrylic acid) and pluronic using microfluidic devices. <b>2021</b> , 140, 110053		4
85	Influence of Microgel Fabrication Technique on Granular Hydrogel Properties. <b>2021</b> , 7, 4269-4281		20
84	Improvement of Ferulic Acid Antioxidant Activity by Multiple Emulsions: and Evaluation. <b>2021</b> , 11,		5
83	Multiple Emulsions for Enhanced Delivery of Vitamins and Iron Micronutrients and Their Application for Food Fortification. <i>Food and Bioprocess Technology</i> , <b>2021</b> , 14, 587-625	5.1	8
82	Casein-Hydroxyapatite Composite Microspheres for Strontium-Containing Wastewater Treatment. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 900-909		3
81	Single-Cell Microgels for Diagnostics and Therapeutics. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009946	5.6	4

80	Shear dynamics of polydisperse double emulsions. <i>Physics of Fluids</i> , <b>2021</b> , 33, 047105	4.4	7
79	Microfluidics for Drug Development: From Synthesis to Evaluation. <i>Chemical Reviews</i> , <b>2021</b> , 121, 7468-7529	5.8	22
78	Motion and deformation of migrating compound droplets in shear-thinning fluids in a microcapillary tube. <i>Physics of Fluids</i> , <b>2021</b> , 33, 053106	4.4	5
77	A Snapshot of Microfluidics in Point-of-Care Diagnostics: Multifaceted Integrity with Materials and Sensors. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100049	6.8	13
76	Role of Interfacial Tension on Viscous Multiphase Flows in Coaxial Microfluidic Channels. <i>Langmuir</i> , <b>2021</b> , 37, 7420-7429	4	3
75	Effects of channel geometry and physicochemical properties of solutions on stable double emulsion production in planar microfluidic devices having triangular orifices. <i>AIP Advances</i> , <b>2021</b> , 11, 065219	1.5	
74	Synthesis of Polymer Janus Particles with Tunable Wettability Profiles as Potent Solid Surfactants to Promote Gas Delivery in Aqueous Reaction Media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32510-32519	9.5	6
73	Droplet microfluidics as a tool for production of bioactive calcium phosphate microparticles with controllable physicochemical properties. <i>Acta Biomaterialia</i> , <b>2021</b> , 128, 486-501	10.8	2
72	Preparation of monodisperse S/W/O compound droplets with thick liquid film via a dual-cross microfluidic device. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 620, 126413	5.1	
71	Emulsion Designer Using Microfluidic Three-Dimensional Droplet Printing in Droplet. <i>Small</i> , <b>2021</b> , 17, e2102579	11	7
70	Deformation and breakup dynamics of droplets within a tapered channel. <i>Physics of Fluids</i> , <b>2021</b> , 33, 082008	4.4	2
69	A review of multiple Pickering emulsions: Solid stabilization, preparation, particle effect, and application. <i>Chemical Engineering Science</i> , <b>2021</b> , 248, 117085	4.4	6
68	One-step preparation of double emulsions stabilized with amphiphilic and stimuli-responsive block copolymers and nanoparticles for nutraceuticals and drug delivery. <i>Jcis Open</i> , <b>2021</b> , 3, 100020		2
67	Millifluidics, microfluidics, and nanofluidics: manipulating fluids at varying length scales. <i>Materials Today Nano</i> , <b>2021</b> , 16, 100136	9.7	7
66	Recent progress in preparation of functional microparticles based on microfluidic technique. <i>Materials Today Communications</i> , <b>2021</b> , 29, 102740	2.5	1
65	Gas-shearing synthesis of core-shell multicompartamental microparticles as cell-like system for enzymatic cascade reaction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 132607	14.7	10
64	Applications of Micro- and Nanofluidics in the Food Industry. 539-564		2
63	Versatile reconfigurable glass capillary microfluidic devices with Lego <sup>®</sup> inspired blocks for drop generation and micromixing. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 23-32	9.3	15

62	Concentrated phase emulsion with multicore morphology under shear: A numerical study. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	6
61	Preparation of Monodisperse Solid Fat Microspheres in a Microfluidic Device. <i>Journal of Chemical Engineering of Japan</i> , <b>2016</b> , 49, 541-543	0.8	7
60	Microfluidic Preparation of Monodisperse Multiple Emulsion using Hydrodynamic Control. <i>Korean Chemical Engineering Research</i> , <b>2012</b> , 50, 733-737		7
59	Microfluidic droplet-based functional materials for cell manipulation. <i>Lab on A Chip</i> , <b>2021</b> , 21, 4311-4329	7.2	4
58	Nanotechnology Based Approaches in Phage Therapy: Overcoming the Pharmacological Barriers. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 699054	5.6	3
57	Chapter 17: Tiny Droplets for High-throughput Cell-based Assays. <i>RSC Nanoscience and Nanotechnology</i> , <b>2010</b> , 261-284		
56	Smart Microcapsules with pH-Responsive Hydrogel Membranes. <i>Advanced Topics in Science and Technology in China</i> , <b>2011</b> , 185-195	0.2	
55	Polyphenol-Induced Phase Transition of Thermo-responsive Hydrogels. <b>2013</b> , 91-109		
54	Glucose-Responsive Membranes and Microcapsules for Controlled Release. <b>2013</b> , 275-295		
53	Functional Microcapsules with Thermo-responsive Hydrogel Shells. <b>2013</b> , 135-152		
52	Encyclopedia of Microfluidics and Nanofluidics. <b>2013</b> , 1-12		
51	Functional Microcapsules with Ion-Recognizable Properties. <b>2013</b> , 323-339		
50	Preparation and Properties of Monodisperse pH-Responsive Microgels. <b>2013</b> , 155-170		
49	Preparation of Monodisperse Emulsions in Three-Dimensional Microfluidic Devices Fabricated by Stereolithography. <i>Journal of the Society of Powder Technology, Japan</i> , <b>2015</b> , 52, 17-24	0.3	1
48	Preparation of Emulsions by Microfluidic Devices. <i>Oleoscience</i> , <b>2018</b> , 18, 269-274	0.1	
47	Chapter 10: Smart Microcapsule Membranes for Controlled Release. <i>RSC Smart Materials</i> , <b>2019</b> , 255-296	0.6	
46	Emulsions and Foams. <i>Soft and Biological Matter</i> , <b>2020</b> , 195-279	0.8	1
45	Droplet microfluidics-based biomedical microcarriers. <i>Acta Biomaterialia</i> , <b>2021</b> , 138, 21-21	10.8	3



44	Ternary Fluid Lattice Boltzmann Simulation of Dynamic Interfacial Tension Induced by Mixing inside Micro-droplets. <i>AIChE Journal</i> , e17519	3.6	
43	Microfluidic emulsification: Process and formulation variables effects in flow behavior pattern on a flow-focusing device. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 601, 125038 <sup>5-1</sup>		
42	Microfluidic fabrication of hydrogel microparticles with MOF-armoured multi-enzymes for cascade biocatalytic reactions. <i>Reaction Chemistry and Engineering</i> ,	4.9	1
41	An overview of the production methods for core-shell microspheres for parenteral controlled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 170, 24-24	5.7	3
40	Core-shell microparticles: From rational engineering to diverse applications.. <i>Advances in Colloid and Interface Science</i> , <b>2022</b> , 299, 102568	14.3	7
39	Synthetic Cells: From Simple Bio-Inspired Modules to Sophisticated Integrated Systems. <i>Angewandte Chemie</i> ,	3.6	0
38	Synthetic Cells: From Simple Bio-Inspired Modules to Sophisticated Integrated Systems. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	4
37	Microfluidic Glass Capillary Devices: An Innovative Tool to Encapsulate <i>Lactiplantibacillus plantarum</i> . <b>2021</b> , 69-77		
36	Cell encapsulation in alginate-based microgels using droplet microfluidics; a review on gelation methods and applications.. <i>Biomedical Physics and Engineering Express</i> , <b>2022</b> ,	1.5	1
35	Materials and methods for droplet microfluidic device fabrication.. <i>Lab on A Chip</i> , <b>2022</b> ,	7.2	0
34	An outlook on microfluidics: the promise and the challenge.. <i>Lab on A Chip</i> , <b>2022</b> ,	7.2	8
33	Machine learning in nuclear materials research. <i>Current Opinion in Solid State and Materials Science</i> , <b>2022</b> , 26, 100975	12	7
32	The creation of raspberry-like droplets and their coalescence dynamics: An ideal model for certain biological processes.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 615, 752-758	9.3	
31	From dynamic self-organization to avalanching instabilities in soft-granular threads.. <i>Soft Matter</i> , <b>2022</b> ,	3.6	
30	A Mild Method for Encapsulation of Citral in Monodispersed Alginate Microcapsules.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	0
29	Gradient Printing Alginate Herero Gel Microspheres for Three-Dimensional Cell Culture.. <i>Materials</i> , <b>2022</b> , 15,	3.5	0
28	Microfluidic Tissue Engineering and Bio-actuation.. <i>Advanced Materials</i> , <b>2022</b> , e2108427	24	4
27	Preparation of monodisperse silica-polyacrylamide hybrid particles with snowman or core-shell morphologies using a microfluidic device. <i>Journal of Asian Ceramic Societies</i> , 1-8	2.4	0



26	Designable Micro-/Nano-Structured Smart Polymeric Materials.. <i>Advanced Materials</i> , <b>2021</b> , e2107877	24	5
25	Monodisperse Nanocrystal Superparticles through a SourceSink Emulsion System. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2779-2789	9.6	3
24	Dynamics of polydisperse multiple emulsions in microfluidic channels.. <i>Physical Review E</i> , <b>2021</b> , 104, 065112	11.2	0
23	Hierarchical porous metal-organic frameworks/polymer microparticles for enhanced catalytic degradation of organic contaminants. <i>Frontiers of Chemical Science and Engineering</i> , 1	4.5	0
22	One-step Emulsification for Controllable Preparation of Ethyl cellulose Microcapsules and their Sustained Release Performance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 112560	6	0
21	Generation and evolution of double emulsions in a circular microchannel. <i>Chemical Engineering Science</i> , <b>2022</b> , 255, 117683	4.4	0
20	Scalable fabrication, compartmentalization and applications of living microtissues.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 392-405	16.7	0
19	Multicompartment Polymer Capsules. <b>2022</b> , 100015		
18	Laser micro/nanomachining technology for soft matter. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2022</b> ,	0.6	1
17	Enhanced solvent extraction in a serial converging-diverging microchannel at high injection ratio. <i>Chemical Engineering Science</i> , <b>2022</b> , 259, 117845	4.4	0
16	Microgels based on 0D-3D carbon materials: Synthetic techniques, properties, applications, and challenges. <b>2022</b> , 307, 135981		0
15	W/o/w multiple emulsions: A novel trend in functional ice cream preparations?. <b>2022</b> , 16, 100451		0
14	Microfluidic emulsification techniques for controllable emulsion production and functional microparticle synthesis. <b>2023</b> , 452, 139277		1
13	Stability characterization of microfluidics lipid-stabilized double emulsions under physiologically-relevant conditions. 2, 103		0
12	Recent Advances in Drug Delivery System Fabricated by Microfluidics for Disease Therapy. <b>2022</b> , 9, 625		0
11	Microfluidic Manipulation for Biomedical Applications in the Central and Peripheral Nervous Systems. <b>2023</b> , 15, 210		0
10	Deformation of a compound droplet in a wavy constricted channel. <b>2023</b> , 37, 191-202		0
9	Preparation of homogeneous super-circular alumina microspheres in microchannels by controlling extraction and motion processes. <b>2023</b> , 275, 118745		0

- 8 Microfluidic devices for the detection of disease-specific proteins and other macromolecules, disease modelling and drug development: A review. **2023**, 235, 123784
- 7 Facile and Scalable Rotation-Based Microfluidics for Controllable Production of Emulsions, Microparticles, and Microfibers. **2023**, 62, 4373-4387
- 6 Drug loading methods and drug release mechanisms of PLGA nanoparticles. **2023**, 55-86
- 5 Preparation of Polystyrene/Polyacrylamide Core-Shell Microspheres via Microfluidizer-Assistant Emulsification Template Methods for Oil Recovery Enhancement. **2023**, 2463, 012014
- 4 Triglyceride mixtures: Cold-bursting and double emulsion formation. **2023**, 668, 131439
- 3 Hydrodynamics of Gas/liquid/liquid Double Emulsions Generated in a Circular Microchannel. **2023**,
- 2 Sunset Yellow Confined in Curved Geometry: A Microfluidic Approach.
- 1 Droplet-based microfluidics. **2023**, 3,