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Microfluidic directed formation of liposomes of controlled size

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| 303 | Literature Alerts. 2007 , 14, 549-552 | | |
| 302 | Preparation of nanoparticles by continuous-flow microfluidics. 2008 , 10, 925-934 | | 184 |
| 301 | Liposomes: technologies and analytical applications. 2008 , 1, 801-32 | | 377 |
| 300 | Conventional and dense gas techniques for the production of liposomes: a review. 2008 , 9, 798-809 | | 158 |
| 299 | Microfluidics for drug discovery and development: from target selection to product lifecycle management. 2008 , 13, 1-13 | | 258 |
| 298 | Micro total analysis systems: latest achievements. 2008 , 80, 4403-19 | | 354 |
| 297 | Double emulsion templated monodisperse phospholipid vesicles. <i>Langmuir</i> , 2008 , 24, 7651-3 | 4 | 281 |
| 296 | Modulated photophysics of 3-pyrazolyl-2-pyrazoline derivative entrapped in micellar assembly. 2008 , 112, 7211-9 | | 41 |
| 295 | Electrohydrodynamic size stratification and flow separation of giant vesicles. 2008 , 92, 104105 | | 29 |
| 294 | Electrokinetic trapping using titania nanoporous membranes fabricated using sol-gel chemistry on microfluidic devices. 2009 , 30, 3160-7 | | 25 |
| 293 | Field-flow fractionation in bioanalysis: A review of recent trends. 2009 , 635, 132-43 | | 142 |
| 292 | Microfluidic methods for production of liposomes. 2009 , 465, 129-41 | | 85 |
| 291 | Delivery of polyethylenimine/DNA complexes assembled in a microfluidics device. 2009 , 6, 1333-42 | | 54 |
| 290 | Delivery of antisense oligodeoxyribonucleotide lipopolyplex nanoparticles assembled by microfluidic hydrodynamic focusing. 2010 , 141, 62-9 | | 66 |
| 289 | Homogeneous and reproducible liposome preparation relying on reassembly in microchannel laminar flow. 2010 , 165, 324-327 | | 6 |
| 288 | Refolding of difficult-to-fold proteins by a gradual decrease of denaturant using microfluidic chips. 2010 , 147, 895-903 | | 18 |
| 287 | Characterization and pharmacokinetics of a novel pirarubicin liposome powder. 2010 , 36, 1186-94 | | 13 |

| | | | |
|-----|---|---|-----|
| 286 | Microfluidic mixing and the formation of nanoscale lipid vesicles. 2010 , 4, 2077-87 | | 261 |
| 285 | Polymersome production on a microfluidic platform using pH sensitive block copolymers. 2010 , 10, 1922-8 | | 55 |
| 284 | Microfluidic directed self-assembly of liposome-hydrogel hybrid nanoparticles. <i>Langmuir</i> , 2010 , 26, 11584-8 | | 79 |
| 283 | Single-step assembly of homogenous lipid-polymeric and lipid-quantum dot nanoparticles enabled by microfluidic rapid mixing. 2010 , 4, 1671-9 | | 248 |
| 282 | Accurate optical analysis of single-molecule entrapment in nanoscale vesicles. 2010 , 82, 180-8 | | 10 |
| 281 | Preparation of monodisperse block copolymer vesicles via flow focusing in microfluidics. <i>Langmuir</i> , 2010 , 26, 6860-3 | 4 | 67 |
| 280 | Controlled self-assembly of monodisperse niosomes by microfluidic hydrodynamic focusing. <i>Langmuir</i> , 2010 , 26, 8559-66 | 4 | 99 |
| 279 | Complete physicochemical characterization of DNA/chitosan complexes by multiple detection using asymmetrical flow field-flow fractionation. 2010 , 82, 9636-43 | | 26 |
| 278 | One-step analysis of DNA/chitosan complexes by field-flow fractionation reveals particle size and free chitosan content. 2010 , 11, 549-54 | | 45 |
| 277 | Magnetic connectors for microfluidic applications. 2010 , 10, 246-9 | | 36 |
| 276 | Microfluidic characterization of sustained solute release from porous supraparticles. 2010 , 12, 11975-83 | | 14 |
| 275 | Effects of temperature, acyl chain length, and flow-rate ratio on liposome formation and size in a microfluidic hydrodynamic focusing device. 2010 , 6, 1352 | | 97 |
| 274 | Three-dimensional large-scale microfluidic integration by laser ablation of interlayer connections. 2010 , 10, 2358-65 | | 26 |
| 273 | Dewetting-induced membrane formation by adhesion of amphiphile-laden interfaces. 2011 , 133, 4420-6 | | 71 |
| 272 | Stable, biocompatible lipid vesicle generation by solvent extraction-based droplet microfluidics. 2011 , 5, 44113-4411312 | | 110 |
| 271 | Liposomes and other vesicular systems: structural characteristics, methods of preparation, and use in nanomedicine. 2011 , 104, 1-52 | | 44 |
| 270 | NANO/MICROSCALE TECHNOLOGIES FOR DRUG DELIVERY. 2011 , 11, 337-367 | | 9 |
| 269 | Rapid liposome quality assessment using a lab-on-a-chip. 2011 , 11, 2753-62 | | 14 |

| | | | |
|-----|--|---|-----|
| 268 | Controlling mass transport in microfluidic devices. 2011 , 4, 275-96 | | 37 |
| 267 | A new method for liposome preparation using a membrane contactor. 2011 , 21, 213-20 | | 77 |
| 266 | Technological Aspects of Scalable Processes for the Production of Functional Liposomes for Gene Therapy. 2011 , | | 3 |
| 265 | Application of flow field-flow fractionation for the characterization of macromolecules of biological interest: a review. 2011 , 399, 1401-11 | | 45 |
| 264 | Liposomes: A Review of Manufacturing Techniques and Targeting Strategies. 2011 , 7, 436-452 | | 212 |
| 263 | Microfluidic Synthesis of Highly Potent Limit-size Lipid Nanoparticles for In Vivo Delivery of siRNA. 2012 , 1, e37 | | 313 |
| 262 | Mechanism of co-nanoprecipitation of organic actives and block copolymers in a microfluidic environment. 2012 , 23, 375602 | | 42 |
| 261 | Manufacture of liposomes by isopropanol injection: characterization of the method. 2012 , 22, 18-30 | | 30 |
| 260 | Analysis of a laminar-flow diffusional mixer for directed self-assembly of liposomes. 2012 , 6, 44119 | | 20 |
| 259 | Production of hyaluronic acid (HA) nanoparticles by a continuous process inside microchannels: Effects of non-solvents, organic phase flow rate, and HA concentration. 2012 , 84, 134-141 | | 30 |
| 258 | Microfluidic synthesis of PEGylated liposomes. 2012 , | | |
| 257 | Microfluidic fabrication of water-in-water (w/w) jets and emulsions. 2012 , 6, 12808-128089 | | 99 |
| 256 | Bottom-up design and synthesis of limit size lipid nanoparticle systems with aqueous and triglyceride cores using millisecond microfluidic mixing. <i>Langmuir</i> , 2012 , 28, 3633-40 | 4 | 189 |
| 255 | Static micromixer-coaxial electrospray synthesis of theranostic lipoplexes. 2012 , 6, 2245-52 | | 30 |
| 254 | Synthesizing artificial cells from giant unilamellar vesicles: state-of-the art in the development of microfluidic technology. 2012 , 34, 992-1001 | | 49 |
| 253 | Microfluidic synthesis of chitosan-based nanoparticles for fuel cell applications. 2012 , 48, 7744-6 | | 61 |
| 252 | Organic Nanoparticles Using Microfluidic Technology for Drug-Delivery Applications. 2012 , | | 1 |
| 251 | Liposomes as Carriers for Controlled Drug Delivery. 2012 , 195-220 | | 5 |

| | | |
|-----|---|-----|
| 250 | Lipid-based carriers: manufacturing and applications for pulmonary route. 2012 , 9, 1111-27 | 55 |
| 249 | Long Acting Injections and Implants. 2012 , | 14 |
| 248 | Mass production and size control of lipid-polymer hybrid nanoparticles through controlled microvortices. 2012 , 12, 3587-91 | 158 |
| 247 | Protein encapsulation in unilamellar liposomes: high encapsulation efficiency and a novel technique to assess lipid-protein interaction. 2012 , 29, 1919-31 | 73 |
| 246 | Controlled nucleation of lipid nanoparticles. 2012 , 29, 2236-48 | 11 |
| 245 | Predicting hydrophilic drug encapsulation inside unilamellar liposomes. 2012 , 423, 410-8 | 75 |
| 244 | Influence of micro-mixing on the size of liposomes self-assembled from miscible liquid phases. 2013 , 172-173, 20-30 | 27 |
| 243 | Microfluidic and lab-on-a-chip preparation routes for organic nanoparticles and vesicular systems for nanomedicine applications. 2013 , 65, 1496-532 | 150 |
| 242 | Microfluidic devices for continuous production of pDNA/cationic liposome complexes for gene delivery and vaccine therapy. 2013 , 111, 203-10 | 47 |
| 241 | High-throughput nanoscale lipid vesicle synthesis in a semicircular contraction-expansion array microchannel. 2013 , 7, 210-217 | 14 |
| 240 | Microfluidic formation of nanoscale liposomes for passive transdermal drug delivery. 2013 , | 2 |
| 239 | Controlled perturbation of the thermodynamic equilibrium by microfluidic separation of porphyrin-based aggregates in a multi-component self-assembling system. 2013 , 49, 1796-8 | 10 |
| 238 | Large scale preparation of midkine antisense oligonucleotides nanoliposomes by a cross-flow injection technique combined with ultrafiltration and high-pressure extrusion procedures. 2013 , 441, 712-20 | 9 |
| 237 | Microfluidic assisted self-assembly of chitosan based nanoparticles as drug delivery agents. 2013 , 13, 204-7 | 106 |
| 236 | Building functional materials for health care and pharmacy from microfluidic principles and Flow Focusing. 2013 , 65, 1447-69 | 75 |
| 235 | Continuous flow production of cationic liposomes at high lipid concentration in microfluidic devices for gene delivery applications. 2013 , 226, 423-433 | 71 |
| 234 | Microfluidic hydrodynamic focusing based synthesis of POPC liposomes for model biological systems. 2013 , 104, 276-81 | 43 |
| 233 | Advanced materials and processing for drug delivery: the past and the future. 2013 , 65, 104-20 | 708 |

| | | |
|-----|--|-----|
| 232 | Microfluidic methods for forming liposomes. 2013 , 13, 752-67 | 264 |
| 231 | Microfluidic synthesis of PEG- and folate-conjugated liposomes for one-step formation of targeted stealth nanocarriers. 2013 , 30, 1597-607 | 47 |
| 230 | Microdevices for nanomedicine. 2013 , 10, 2127-44 | 20 |
| 229 | Microfluidic-enabled liposomes elucidate size-dependent transdermal transport. 2014 , 9, e92978 | 23 |
| 228 | What's up in nanomedicine?. 2014 , 6, | |
| 227 | Micellar charge induced emissive response of a bio-active 3-pyrazolyl-2-pyrazoline derivative: a spectroscopic and quantum chemical analysis. 2014 , 4, 56361-56372 | 7 |
| 226 | Refolding techniques for recovering biologically active recombinant proteins from inclusion bodies. 2014 , 4, 235-51 | 150 |
| 225 | Drug Delivery System. 2014 , | 12 |
| 224 | Flow field-flow fractionation for the analysis of nanoparticles used in drug delivery. 2014 , 87, 53-61 | 63 |
| 223 | Microfluidic preparation of liposomes to determine particle size influence on cellular uptake mechanisms. 2014 , 31, 401-13 | 91 |
| 222 | Microfluidic remote loading for rapid single-step liposomal drug preparation. 2014 , 14, 3359-67 | 53 |
| 221 | A facile route to the synthesis of monodisperse nanoscale liposomes using 3D microfluidic hydrodynamic focusing in a concentric capillary array. 2014 , 14, 2403-9 | 48 |
| 220 | Microwell array guided assembly of lipoplex nanoparticles containing siRNA. <i>Langmuir</i> , 2014 , 30, 2873-84 | 2 |
| 219 | Synthesis of Sub-100-nm Liposomes via Hydration in a Packed Bed of Colloidal Particles. 2014 , 53, 198-205 | 11 |
| 218 | Continuous flow generation of magnetoliposomes in a low-cost portable microfluidic platform. 2014 , 14, 4506-12 | 9 |
| 217 | Asymmetrical flow field-flow fractionation with multi-angle light scattering and quasi-elastic light scattering for characterization of polymersomes: comparison with classical techniques. 2014 , 406, 7841-53 | 24 |
| 216 | Solid dispersion tablets of breviscapine with polyvinylpyrrolidone K30 for improved dissolution and bioavailability to commercial breviscapine tablets in beagle dogs. 2014 , 39, 203-10 | 16 |
| 215 | Microfluidic-assisted self-assembly of complex dendritic polyethylene drug delivery nanocapsules. 2014 , 26, 3118-23 | 41 |

| | | |
|-----|---|----|
| 214 | An Update on Active Membranes. 2014 , 288-307 | 1 |
| 213 | High-Throughput Continuous Flow Production of Nanoscale Liposomes by Microfluidic Vertical Flow Focusing. 2015 , 11, 5790-9 | 77 |
| 212 | Asymmetric Flow Field-Flow Fractionation Investigation of Magnetopolyplexes. 2015 , 216, 1862-1867 | 11 |
| 211 | The Application of Liposomes as Vaccine Adjuvants. 2015 , 77-94 | 3 |
| 210 | Lipid Matrices for Nanoencapsulation in Food: Liposomes and Lipid Nanoparticles. 2015 , 99-143 | 4 |
| 209 | One step preparation of quantum dot-embedded lipid nanovesicles by a microfluidic device. 2015 , 5, 98576-98582 | 5 |
| 208 | Liposomal nanodelivery systems using soy and marine lecithin to encapsulate food biopreservative nisin. 2015 , 62, 341-349 | 65 |
| 207 | Microfluidic chips with multi-junctions: an advanced tool in recovering proteins from inclusion bodies. 2015 , 6, 1-4 | 10 |
| 206 | Designing Food Structure Using Microfluidics. 2015 , 7, 393-416 | 26 |
| 205 | Microfluidic-controlled manufacture of liposomes for the solubilisation of a poorly water soluble drug. 2015 , 485, 122-30 | 84 |
| 204 | Synthesis and Characterization of Nanomaterials Using Microfluidic Technology. 2015 , 1-16 | |
| 203 | Generation of nanovesicles with sliced cellular membrane fragments for exogenous material delivery. 2015 , 59, 12-20 | 67 |
| 202 | Large-scale preparation of clove essential oil and eugenol-loaded liposomes using a membrane contactor and a pilot plant. 2016 , 26, 126-38 | 20 |
| 201 | Production of limit size nanoliposomal systems with potential utility as ultra-small drug delivery agents. 2016 , 26, 96-102 | 25 |
| 200 | Food Nanoscience and Nanotechnology. 2015 , | 9 |
| 199 | Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and drug delivery. 2015 , 7, 16983-93 | 24 |
| 198 | Novel Method for Synthesizing Monodisperse Dispersion of Nanometer Liposomes. 2015 , 3-16 | |
| 197 | Size fractionation and size characterization of nanoemulsions of lipid droplets and large unilamellar lipid vesicles by asymmetric-flow field-flow fractionation/multi-angle light scattering and dynamic light scattering. 2015 , 1418, 185-191 | 22 |

| | | |
|-----|--|-----|
| 196 | Advances and Challenges in the Delivery of Nucleic Acid Therapeutics (Volume 2). 2015 , | |
| 195 | Rapid, one-step fabrication and loading of nanoscale 1,2-distearoyl-sn-glycero-3-phosphocholine liposomes in a simple, double flow-focusing microfluidic device. 2015 , 9, 046501 | 6 |
| 194 | Subunit Vaccine Delivery. 2015 , | 4 |
| 193 | Production of nanoparticle drug delivery systems with microfluidics tools. 2015 , 12, 547-62 | 60 |
| 192 | On-chip generation of monodisperse giant unilamellar lipid vesicles containing quantum dots. 2016 , 37, 1353-8 | 5 |
| 191 | Microfluidic Synthesis of Nanoparticles and their Biosensing Applications. 2016 , 46, 538-61 | 36 |
| 190 | Indocyanine Green-Loaded Liposomes for Light-Triggered Drug Release. 2016 , 13, 2095-107 | 82 |
| 189 | mRNA vaccine delivery using lipid nanoparticles. 2016 , 7, 319-34 | 241 |
| 188 | Microfluidics: a transformational tool for nanomedicine development and production. 2016 , 24, 821-835 | 40 |
| 187 | Functional Polydiacetylene Liposomes as a Self-Signaling and Signal-Amplifying Bio- and Chemical Sensor and Sensor Array. 2016 , 181-216 | |
| 186 | Microfluidics based manufacture of liposomes simultaneously entrapping hydrophilic and lipophilic drugs. 2016 , 514, 160-168 | 80 |
| 185 | Lipid-based nanovesicles for nanomedicine. 2016 , 45, 6520-6545 | 161 |
| 184 | Microfluidic Hydrodynamic Focusing for Synthesis of Nanomaterials. 2016 , 11, 778-792 | 95 |
| 183 | Liposome production by microfluidics: potential and limiting factors. 2016 , 6, 25876 | 182 |
| 182 | Filter-extruded liposomes revisited: a study into size distributions and morphologies in relation to lipid-composition and process parameters. 2016 , 26, 11-20 | 26 |
| 181 | Designing liposomal adjuvants for the next generation of vaccines. 2016 , 99, 85-96 | 66 |
| 180 | Liposome Formation Using a Coaxial Turbulent Jet in Co-Flow. 2016 , 33, 404-16 | 18 |
| 179 | Cationic liposomes produced via ethanol injection method for dendritic cell therapy. 2017 , 27, 249-263 | 8 |

| | | |
|-----|--|-----|
| 178 | Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. 2017 , 17, 606-614 | 106 |
| 177 | Scalable preparation of poly(ethylene glycol)-grafted siRNA-loaded lipid nanoparticles using a commercially available fluidic device and tangential flow filtration. 2017 , 28, 1086-1096 | 1 |
| 176 | Comparison of the physical characteristics of monodisperse non-ionic surfactant vesicles (NISV) prepared using different manufacturing methods. 2017 , 521, 54-60 | 23 |
| 175 | Recent advances in smart biotechnology: Hydrogels and nanocarriers for tailored bioactive molecules depot. 2017 , 249, 163-180 | 25 |
| 174 | Fundamental studies on throughput capacities of hydrodynamic flow-focusing microfluidics for producing monodisperse polymer nanoparticles. 2017 , 169, 128-139 | 47 |
| 173 | Preparation of anthocyanin-loaded liposomes using an improved supercritical carbon dioxide method. 2017 , 39, 119-128 | 34 |
| 172 | Polymer Material Design by Microfluidics Inspired by Cell Biology and Cell-Free Biotechnology. 2017 , 218, 1600429 | 14 |
| 171 | High-throughput continuous production of liposomes using hydrodynamic flow-focusing microfluidic devices. 2017 , 156, 349-357 | 37 |
| 170 | Prospects in Mitigating Global Warming by Biomimetic Carbon Sequestration Using Recombinant Microbial Carbonic Anhydrases. 2017 , 101-127 | |
| 169 | Carbon Utilization. 2017 , | 1 |
| 168 | Microfluidic Platform for the Continuous Production and Characterization of Multilamellar Vesicles: A Synchrotron Small-Angle X-ray Scattering (SAXS) Study. 2017 , 8, 73-79 | 24 |
| 167 | Encapsulation of phytosterols and phytosterol esters in liposomes made with soy phospholipids by high pressure homogenization. 2017 , 8, 3964-3969 | 15 |
| 166 | Formation and purification of tailored liposomes for drug delivery using a module-based micro continuous-flow system. 2017 , 7, 12045 | 76 |
| 165 | Nanomaterials for the Capture and Therapeutic Targeting of Circulating Tumor Cells. 2017 , 10, 275-294 | 21 |
| 164 | From flow focusing to vortex formation in crossing microchannels. 2017 , 21, 1 | 6 |
| 163 | Drug-Loaded Supramolecular Gels Prepared in a Microfluidic Platform: Distinctive Rheology and Delivery through Controlled Far-from-Equilibrium Mixing. 2017 , 2, 8849-8858 | 10 |
| 162 | Direct monitoring of lipid transfer on exposure of citrem nanoparticles to an ethanol solution containing soybean phospholipids by combining synchrotron SAXS with microfluidics. 2017 , 142, 3118-3126 | 18 |
| 161 | Microfluidic manufacturing of phospholipid nanoparticles: Stability, encapsulation efficacy, and drug release. 2017 , 516, 91-99 | 60 |

| | | |
|-----|---|-----|
| 160 | Manufacturing Methods for Liposome Adjuvants. 2017 , 1494, 127-144 | 9 |
| 159 | Recent Advances in Lipid-Based Vesicles and Particulate Carriers for Topical and Transdermal Application. 2017 , 106, 423-445 | 143 |
| 158 | Phenomenological and Formulation Aspects in Tailored Nanoliposome Production. 2017 , | |
| 157 | The Use of Nanotechnology in Modern Pharmacotherapy. 2017 , 139-158 | 7 |
| 156 | Microbial Carbonic Anhydrases in Biomimetic Carbon Sequestration for Mitigating Global Warming: Prospects and Perspectives. 2017 , 8, 1615 | 43 |
| 155 | Deformable Nanovesicles Synthesized through an Adaptable Microfluidic Platform for Enhanced Localized Transdermal Drug Delivery. 2017 , 2017, 4759839 | 3 |
| 154 | Design and development of pharmaceutical microprocesses in the production of nanomedicine. 2017 , 669-697 | 4 |
| 153 | Nanomaterial Preparation by Extrusion through Nanoporous Membranes. 2018 , 14, e1703493 | 39 |
| 152 | The importance of microfluidics for the preparation of nanoparticles as advanced drug delivery systems. 2018 , 15, 469-479 | 45 |
| 151 | Microfluidics in nanoparticle drug delivery; From synthesis to pre-clinical screening. 2018 , 128, 29-53 | 100 |
| 150 | Lipid nano scale cargos for the protection and delivery of food bioactive ingredients and nutraceuticals. 2018 , 74, 132-146 | 242 |
| 149 | Properties of Liposomes Containing Natural and Synthetic Lipids Formed by Microfluidic Mixing. 2018 , 120, 1700347 | 7 |
| 148 | Characterization of Nanoscale Loaded Liposomes Produced by 2D Hydrodynamic Flow Focusing. 2018 , 4, 502-513 | 15 |
| 147 | State-of-the-Art Design and Rapid-Mixing Production Techniques of Lipid Nanoparticles for Nucleic Acid Delivery. 2018 , 2, 1700375 | 74 |
| 146 | A cleanroom-free and scalable manufacturing technology for the microfluidic generation of lipid-stabilized droplets and cell-sized multisomes. 2018 , 267, 34-41 | 12 |
| 145 | Pluronic modified liposomes for curcumin encapsulation: Sustained release, stability and bioaccessibility. 2018 , 108, 246-253 | 76 |
| 144 | Design of smart targeted and responsive drug delivery systems with enhanced antibacterial properties. 2018 , 10, 20946-20962 | 56 |
| 143 | Continuous processing of phase-change materials into uniform nanoparticles for near-infrared-triggered drug release. 2018 , 10, 22312-22318 | 18 |

| | | | |
|-----|--|---|-----|
| 142 | Nanostructured thin lignin-derived carbon sheets as excellent reinforcement fillers in polypropylene.. 2018 , 8, 37472-37479 | | 2 |
| 141 | A novel microfluidic liposomal formulation for the delivery of the SN-38 camptothecin: characterization and in vitro assessment of its cytotoxic effect on two tumor cell lines. 2018 , 13, 5301-5320 | | 8 |
| 140 | Mask-Free Laser Lithography for Rapid and Low-Cost Microfluidic Device Fabrication. 2018 , 90, 13915-13921 | | 14 |
| 139 | Supported Lipid Bilayers on Fluorescent Nanodiamonds: A Structurally Defined and Versatile Coating for Bioapplications. 2018 , 28, 1803406 | | 13 |
| 138 | Large-Scale Preparation of Giant Vesicles by Squeezing a Lipid-Coated Marshmallow-like Silicone Gel in a Buffer. <i>Langmuir</i> , 2018 , 34, 11021-11026 | 4 | 3 |
| 137 | Microfluidics for Cancer Nanomedicine: From Fabrication to Evaluation. 2018 , 14, e1800360 | | 22 |
| 136 | Metallosomes for biomedical applications by mixing molybdenum carbonyl metallosurfactants and phospholipids. 2018 , 47, 14293-14303 | | 14 |
| 135 | Droplet microfluidics for the construction of compartmentalised model membranes. 2018 , 18, 2488-2509 | | 60 |
| 134 | Microfluidic Devices for Drug Delivery Systems and Drug Screening. 2018 , 9, | | 155 |
| 133 | Microfluidic-assisted bacteriophage encapsulation into liposomes. 2018 , 545, 176-182 | | 18 |
| 132 | Microfluidic self-assembly of a combinatorial library of single- and dual-ligand liposomes for in vitro and in vivo tumor targeting. 2018 , 130, 1-10 | | 40 |
| 131 | Potential of Continuous Manufacturing for Liposomal Drug Products. 2019 , 14, e1700740 | | 21 |
| 130 | Formulation Strategies for Folate-Targeted Liposomes and Their Biomedical Applications. 2019 , 11, | | 40 |
| 129 | Engineering patient-specific cancer immunotherapies. 2019 , 3, 768-782 | | 66 |
| 128 | 3D Micromachined Polyimide Mixing Devices for in Situ X-ray Imaging of Solution-Based Block Copolymer Phase Transitions. <i>Langmuir</i> , 2019 , 35, 10435-10445 | 4 | 6 |
| 127 | Available delivery technologies for intervention execution. 2019 , 13-22 | | |
| 126 | Liposome production and concurrent loading of drug simulants by microfluidic hydrodynamic focusing. 2019 , 48, 549-558 | | 11 |
| 125 | Continuous flow production of size-controllable niosomes using a thermostatic microreactor. 2019 , 182, 110378 | | 7 |

| | | | |
|-----|---|---|-----|
| 124 | Gelatin-Based Capsules through Interfacial Polymerization: Batch and Continuous Flow Synthesis. 2019 , 42, 2119-2126 | | |
| 123 | New opportunities for creating man-made bioarchitectures utilizing microfluidics. 2019 , 21, 62 | | 6 |
| 122 | Folate Receptor-Targeted Albumin Nanoparticles Based on Microfluidic Technology to Deliver Cabazitaxel. 2019 , 11, | | 18 |
| 121 | Graphene-Based Flexible Actuators, Sensors, and Supercapacitors. 2019 , 299-337 | | |
| 120 | Applications of Magnetic Liposomes in Cancer Therapies. 2019 , 25, 1490-1504 | | 17 |
| 119 | A novel microfluidic-based approach to formulate size-tuneable large unilamellar cationic liposomes: Formulation, cellular uptake and biodistribution investigations. 2019 , 143, 51-60 | | 24 |
| 118 | Enhanced Intraliposomal Metallic Nanoparticle Payload Capacity Using Microfluidic-Assisted Self-Assembly. <i>Langmuir</i> , 2019 , 35, 13318-13331 | 4 | 9 |
| 117 | On-Chip Preparation of Amphiphilic Nanomicelles-in-Sodium Alginate Spheroids as a Novel Platform Against Triple-Negative Human Breast Cancer Cells: Fabrication, Study of Microfluidics Flow Hydrodynamics and Proof of Concept for Anticancer and Drug Delivery Applications. 2019 , 108, 3528-3539 | | 5 |
| 116 | High Throughput Nanoliposome Formation Using 3D Printed Microfluidic Flow Focusing Chips. 2019 , 4, 1800511 | | 24 |
| 115 | Comparative Analysis of Protein Quantification Methods for the Rapid Determination of Protein Loading in Liposomal Formulations. 2019 , 11, | | 13 |
| 114 | Sterically stabilized liposomes production using staggered herringbone micromixer: Effect of lipid composition and PEG-lipid content. 2019 , 566, 687-696 | | 19 |
| 113 | A hydrodynamic flow focusing microfluidic device for the continuous production of hexosomes based on docosahexaenoic acid monoglyceride. 2019 , 21, 13005-13013 | | 27 |
| 112 | A simplified method for manufacturing RNAi therapeutics for local administration. 2019 , 564, 256-262 | | 4 |
| 111 | Microfluidics for drug delivery systems. 2019 , 55-83 | | 1 |
| 110 | Dispersibility of phospholipids and their optimization for the efficient production of liposomes using supercritical fluid technology. 2019 , 563, 174-183 | | 6 |
| 109 | Nanoencapsulation of carotenoids within lipid-based nanocarriers. 2019 , 298, 38-67 | | 153 |
| 108 | Continuous Production of the Nanoscale Liposome in a Double Flow-Focusing Microfluidic Device. 2019 , 58, 23032-23045 | | 13 |
| 107 | The Impact of Solvent Selection: Strategies to Guide the Manufacturing of Liposomes Using Microfluidics. 2019 , 11, | | 18 |

| | | |
|-----|---|----|
| 106 | Effect of dynamic high pressure microfluidization on structure and stability of pluronic F127 modified liposomes. 2019 , 40, 982-989 | 8 |
| 105 | Rapid and scale-independent microfluidic manufacture of liposomes entrapping protein incorporating in-line purification and at-line size monitoring. 2019 , 556, 68-81 | 49 |
| 104 | A comprehensive review on recent preparation techniques of liposomes. 2020 , 30, 336-365 | 78 |
| 103 | High-throughput conventional and stealth cationic liposome synthesis using a chaotic advection-based microfluidic device combined with a centrifugal vacuum concentrator. 2020 , 382, 122821 | 10 |
| 102 | Microfluidic Methods for Fabrication and Engineering of Nanoparticle Drug Delivery Systems.. 2020 , 3, 107-120 | 55 |
| 101 | Manufacturing drug co-loaded liposomal formulations targeting breast cancer: Influence of preparative method on liposomes characteristics and in vitro toxicity. 2020 , 590, 119926 | 13 |
| 100 | Vitamin D3 Loaded Niosomes and Transfersomes Produced by Ethanol Injection Method: Identification of the Critical Preparation Step for Size Control. 2020 , 9, | 8 |
| 99 | Opportunities and challenges in commercial pharmaceutical liposome applications. 2020 , 154-155, 2-12 | 22 |
| 98 | Scalable solvent-free production of liposomes. 2020 , 72, 1328-1340 | 5 |
| 97 | Synthesis of Nanoscale Liposomes via Low-Cost Microfluidic Systems. 2020 , 11, | 2 |
| 96 | Sustainable technologies for liposome preparation. 2020 , 165, 104984 | 74 |
| 95 | Cholesterol free niosome production by microfluidics: Comparative with other conventional methods. 2020 , 162, 162-171 | 6 |
| 94 | Continuous-Flow Production of Liposomes with a Millireactor under Varying Fluidic Conditions. 2020 , 12, | 12 |
| 93 | Polymeric Nanoparticles Controlled by On-Chip Self-Assembly Enhance Cancer Treatment Effectiveness. 2020 , 9, e2001633 | 5 |
| 92 | Molecular Design of Layer-by-Layer Functionalized Liposomes for Oral Drug Delivery. 2020 , 12, 43341-43351 | 14 |
| 91 | Liposomes: From Bangham to Supercritical Fluids. 2020 , 8, 1022 | 33 |
| 90 | Applying Microfluidics for the Production of the Cationic Liposome-Based Vaccine Adjuvant CAF09b. 2020 , 12, | 2 |
| 89 | Electrohydrodynamic-Driven Micromixing for the Synthesis of Highly Monodisperse Nanoscale Liposomes. 2020 , 3, 4000-4013 | 6 |

| | | |
|----|---|-----|
| 88 | Advances in Nanoliposomes Production for Ferrous Sulfate Delivery. 2020 , 12, | 3 |
| 87 | All-in-one microfluidic assembly of insulin-loaded pH-responsive nano-in-microparticles for oral insulin delivery. 2020 , 8, 3270-3277 | 12 |
| 86 | Combinatorial Library of Cyclic Benzylidene Acetal-Containing pH-Responsive Lipidoid Nanoparticles for Intracellular mRNA Delivery. 2020 , 31, 1835-1843 | 4 |
| 85 | Liposomes for Antibiotic Encapsulation and Delivery. 2020 , 6, 896-908 | 35 |
| 84 | Recent advancements in liposome technology. 2020 , 156, 4-22 | 122 |
| 83 | Liposomes: Advancements and innovation in the manufacturing process. 2020 , 154-155, 102-122 | 72 |
| 82 | Dexamethasone Loaded Liposomes by Thin-Film Hydration and Microfluidic Procedures: Formulation Challenges. 2020 , 21, | 18 |
| 81 | On-chip controlled synthesis of polycaprolactone nanoparticles using continuous-flow microfluidic devices. 2020 , 10, 533-543 | 10 |
| 80 | Production of liposomes loaded alginate aerogels using two supercritical CO2 assisted techniques. 2020 , 39, 101161 | 17 |
| 79 | The effect of ethanol evaporation on the properties of inkjet produced liposomes. 2020 , 28, 271-280 | 5 |
| 78 | Vesicular Nanocarriers: A Potential Platform for Dermal and Transdermal Drug Delivery. 2021 , 155-209 | 1 |
| 77 | Microfluidic-enabled magnetic labelling of nanovesicles for bioanalytical applications. 2021 , 146, 997-1003 | 2 |
| 76 | Liposomes for oral delivery of protein and peptide-based therapeutics: challenges, formulation strategies, and advances. 2021 , 9, 4773-4792 | 13 |
| 75 | Strategies and Tools for Studying Microglial-Mediated Synapse Elimination and Refinement. 2021 , 12, 640937 | 1 |
| 74 | Sorting sub-150-nm liposomes of distinct sizes by DNA-brick-assisted centrifugation. 2021 , 13, 335-342 | 8 |
| 73 | One-step microfluidics production of enzyme-loaded liposomes for the treatment of inflammatory diseases. 2021 , 199, 111556 | 9 |
| 72 | Inter-relationships between composition, physicochemical properties and functionality of lecithin ingredients. 2021 , 111, 261-270 | 8 |
| 71 | Droplet Microfluidics for Tumor Drug-Related Studies and Programmable Artificial Cells. 2021 , 5, 2000123 | 2 |

| | | |
|----|--|-----|
| 70 | Continuous flow scalable production of injectable size-monodisperse nanoliposomes in easy-fabrication milli-fluidic reactors. 2021 , 235, 116481 | 2 |
| 69 | Advances in microfluidic synthesis and coupling with synchrotron SAXS for continuous production and real-time structural characterization of nano-self-assemblies. 2021 , 201, 111633 | 5 |
| 68 | Inducible Tertiary Lymphoid Structures: Promise and Challenges for Translating a New Class of Immunotherapy. 2021 , 12, 675538 | 7 |
| 67 | Preclinical In Vitro Studies with 3D Spheroids to Evaluate Cu(DDC) Containing Liposomes for the Treatment of Neuroblastoma. 2021 , 13, | 1 |
| 66 | Lipid-Based Nanoparticles for Delivery of Vaccine Adjuvants and Antigens: Toward Multicomponent Vaccines. 2021 , 18, 2867-2888 | 12 |
| 65 | Impact of lipid nanoparticle size on mRNA vaccine immunogenicity. 2021 , 335, 237-246 | 27 |
| 64 | Photoresponsive supramolecular strategy for controlled assembly in light-inert double-chain surfactant system. 2021 , 594, 727-736 | 6 |
| 63 | Parametric Study of the Factors Influencing Liposome Physicochemical Characteristics in a Periodic Disturbance Mixer. <i>Langmuir</i> , 2021 , 37, 8544-8556 | 4 2 |
| 62 | Insight into theranostic nanovesicles prepared by thin lipid hydration and microfluidic method. 2021 , 205, 111871 | 2 |
| 61 | Microfluidic Technology for the Production of Hybrid Nanomedicines. 2021 , 13, | 0 |
| 60 | Microfluidic and hydrothermal preparation of vesicles using sorbitan monolaurate/polyoxyethylene (20) sorbitan monolaurate (Span 20/Tween 20). 2021 , 205, 111836 | 2 |
| 59 | Numerical and Experimental Validation of Mixing Efficiency in Periodic Disturbance Mixers. 2021 , 12, | 1 |
| 58 | Microfluidic devices and drug delivery systems. 2021 , 153-186 | 3 |
| 57 | Microfluidics Technology for Nanoparticles and Equipment. 2021 , 67-98 | |
| 56 | Mitigating Global Warming Through Carbonic Anhydrase-Mediated Carbon Sequestration. 2021 , 197-229 | |
| 55 | Microfluidic-based manufacture of siRNA-lipid nanoparticles for therapeutic applications. 2014 , 1141, 109-20 | 22 |
| 54 | Microfluidic Fabrication of Vesicles. 2014 , 1-28 | 2 |
| 53 | Synthesis and Characterization of Nanomaterials Using Microfluidic Technology. 2016 , 455-473 | 5 |

| | | |
|----|--|----|
| 52 | Characterization of Liposomes by FFF. 2012 , 207-221 | 1 |
| 51 | Bioactive factors for cartilage repair and regeneration: Improving delivery, retention, and activity. 2019 , 93, 222-238 | 64 |
| 50 | Synthesis of block copolymer vesicles in a micromixer. 2009 , 95, 125-128 | 6 |
| 49 | Microfluidic Manufacture of Solid Lipid Nanoparticles: A Case Study on Tristearin-Based Systems. 2020 , 10, 197-208 | 2 |
| 48 | Production of doxorubicin-loaded PCL nanoparticles through a flow-focusing microfluidic device: encapsulation efficacy and drug release. 2021 , 17, 10675-10682 | 0 |
| 47 | Synthesis of oligonucleotide nanoparticles by microfluidic methods. 2015 , 104-115 | |
| 46 | Immunotherapy and Vaccines. 2016 , 441-464 | |
| 45 | Chapter 13:Future of Nanogels for Sensing Applications. 2017 , 261-282 | 3 |
| 44 | Encapsulation of cycloastragenol in phospholipid vesicles enhances transport and delivery across the skin barrier. 2021 , 608, 1222-1228 | 4 |
| 43 | Lipid in Chips: A Brief Review of Liposomes Formation by Microfluidics. 2021 , 16, 7391-7416 | 5 |
| 42 | Lipid Vesicles and Other Polymolecular AggregatesFrom Basic Studies of Polar Lipids to Innovative Applications. 2021 , 11, 10345 | 5 |
| 41 | Ultrasound-enhanced microfluidic synthesis of liposomes. 2010 , 30, 463-6 | 6 |
| 40 | Microfluidic assembly of lipid-based oligonucleotide nanoparticles. 2011 , 31, 771-6 | 17 |
| 39 | Compatible organic and natural solvent mixture of synthesising biodegradable polymeric nanoparticles. 2021 , 2080, 012028 | |
| 38 | Development of Lipid Nanoparticles for the Delivery of Macromolecules Based on the Molecular Design of pH-Sensitive Cationic Lipids. 2021 , 69, 1141-1159 | 2 |
| 37 | Stabilization of lipid vesicles: Upcoming strategic insights for product development. 2022 , 348, 118430 | |
| 36 | Novel multifunctional delivery system for chondrocytes and articular cartilage based on carbon quantum dots. 2022 , 356, 131348 | 0 |
| 35 | A Comprehensive Review on Novel Liposomal Methodologies, Commercial Formulations, Clinical Trials and Patents.. 2022 , 12, 1-18 | 9 |

| | | |
|----|--|----|
| 34 | Elastic liposomes as transcutaneous DNA vaccine vectors. 2022 , 103-127 | |
| 33 | Methods of Liposomes Preparation: Formation and Control Factors of Versatile Nanocarriers for Biomedical and Nanomedicine Application.. 2022 , 14, | 11 |
| 32 | coupled Hydrodynamic Flow Focusing (chFF) to Engineer Lipid-Polymer Nanoparticles (LiPoNs) for Multimodal Imaging and Theranostic Applications.. 2022 , 10, | 1 |
| 31 | Importance of Process Parameters Influencing the Mean Diameters of siRNA-Containing Lipid Nanoparticles (LNPs) on the in Vitro Activity of Prepared LNPs.. 2022 , 45, 497-507 | |
| 30 | Smart Lipid-Based Nanosystems for Therapeutic Immune Induction against Cancers: Perspectives and Outlooks.. 2021 , 14, | 2 |
| 29 | Recent Advances in Antimicrobial Nano-Drug Delivery Systems. 2022 , 12, 1855 | 2 |
| 28 | Environmentally Friendly Method of Assembly of Cardanol and Cholesterol into Nanostructures Using a Continuous Flow Microfluidic Device. | 0 |
| 27 | Preparation of Drug-Loaded Liposomes with Multi-Inlet Vortex Mixers. 2022 , 14, 1223 | 0 |
| 26 | DoE-derived continuous and robust process for manufacturing of pharmaceutical-grade wide-range LNPs for RNA-vaccine/drug delivery. 2022 , 12, | |
| 25 | Drug Delivery through Liposomes. | 1 |
| 24 | Stability Characterization for Pharmaceutical Liposome Product Development with Focus on Regulatory Considerations: An Update. 2022 , 122022 | 3 |
| 23 | Structural and dynamical properties of Palmitoyl-Oleoyl phosphatidylserine lipid nanotubes containing cholesterol and PEGylated dioleoyl Phosphatidylethanolamine: A Coarse-Grained molecular dynamics simulation. 2022 , 260, 117848 | 0 |
| 22 | Microfluidic Nanomaterial Synthesis and In Situ SAXS, WAXS, or SANS Characterization: Manipulation of Size Characteristics and Online Elucidation of Dynamic Structural Transitions. 2022 , 27, 4602 | 0 |
| 21 | Targeted delivery of irinotecan to colon cancer cells using epidermal growth factor receptor-conjugated liposomes. 2022 , 21, | 0 |
| 20 | Liposomal formulations for treating lysosomal storage disorders. 2022 , 190, 114531 | 0 |
| 19 | BloodBrain barrier and nanovesicles for brain-targeting drug delivery. 2022 , 167-199 | 0 |
| 18 | Microfluidic Manufacture of Lipid-Based Nanomedicines. 2022 , 14, 1940 | 2 |
| 17 | Microfluidic formulation of lipid/polymer hybrid nanoparticles for plasmid DNA (pDNA) delivery. 2022 , 627, 122223 | 1 |

- 16 Nanoliposome based biosensors for probing mycotoxins and their applications for food: A review. **2023**, 219, 114845 ○
- 15 Statistical predictions on the encapsulation of single molecule binding pairs into sized-dispersed nanocontainers. ○
- 14 Microfluidic vortex focusing for high throughput synthesis of size-tunable liposomes. **2022**, 13, ○
- 13 Liposomes and liposome-like nanoparticles: From anti-fungal infection to the COVID-19 pandemic treatment. **2022**, 2
- 12 Nano and microencapsulation of bacteriocins for food applications: A review. **2022**, 102173 ○
- 11 Formulation of paracetamol based poly(ϵ -caprolactone) nanoparticles by anti-solvent displacement method using glass capillary microfluidics: Statistical optimization and characterization. **2022**, ○
- 10 Liposomes for Tumor Targeted Therapy: A Review. **2023**, 24, 2643 ○
- 9 Ether lipids from archaeas in nano-drug delivery and vaccination. **2023**, 634, 122632 ○
- 8 Microfluidic fabrication of photo-responsive Ansamitocin P-3 loaded liposomes for the treatment of breast cancer. **2023**, 15, 3780-3795 ○
- 7 High-Precision Synthesis of RNA-Loaded Lipid Nanoparticles for Biomedical Applications. 2203033 ○
- 6 Scalable Liposome Synthesis by High Aspect Ratio Microfluidic Flow Focusing. **2023**, 87-93 ○
- 5 An emerging era in manufacturing of drug delivery systems: Nanofabrication techniques. **2023**, 9, e14247 ○
- 4 Emerging Trends in Lipid-Based Vaccine Delivery: A Special Focus on Developmental Strategies, Fabrication Methods, and Applications. **2023**, 11, 661 ○
- 3 Microfluidic Generation of Near-Infrared Photothermal Vitexin/ICG Liposome with Amplified Photodynamic Therapy. **2023**, 24, ○
- 2 Therapeutic Effects of Curcumin Liposomes and Nanocrystals on Inflammatory Osteolysis: In Vitro and In Vivo Comparative Study. **2023**, 106778 ○
- 1 Microfluidics as a Tool for the Synthesis of Advanced Drug Delivery Systems. **2023**, 321-364 ○