# Lucimara de la Torre

List of Publications by Year
in descending order



| 69 | 1,313 | 361413 | 377865 |
|---|---|---|---|
| papers | citations | 20 h-index | 34 g-index |

| 69 | 69 | 69 | 1867 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Microencapsulation structures based on protein-coated liposomes obtained through electrospraying for the stabilization and improved bioaccessibility of curcumin. Food Chemistry, 2017, 233, 343-350. | 8.2 | 96 |
| 2 | Continuous flow production of cationic liposomes at high lipid concentration in microfluidic devices for gene delivery applications. Chemical Engineering Journal, 2013, 226, 423-433. | 12.7 | 88 |
| 3 | Hybrid encapsulation structures based on Î²-carotene-loaded nanoliposomes within electrospun fibers. Colloids and Surfaces B: Biointerfaces, 2015, 134, 475-482. | 5.0 | 88 |
| 4 | Protection against tuberculosis by a single intranasal administration of DNA-hsp65 vaccine complexed with cationic liposomes. BMC Immunology, 2008, 9, 38. | 2.2 | 82 |
| 5 | Microfluidic devices for continuous production of pDNA/cationic liposome complexes for gene delivery and vaccine therapy. Colloids and Surfaces B: Biointerfaces, 2013, 111, 203-210. | 5.0 | 59 |
| 6 | Single-step microfluidic production of W/O/W double emulsions as templates for Î²-carotene-loaded giant liposomes formation. Chemical Engineering Journal, 2019, 366, 27-32. | 12.7 | 56 |
| 7 | High-throughput continuous production of liposomes using hydrodynamic flow-focusing microfluidic devices. Colloids and Surfaces B: Biointerfaces, 2017, 156, 349-357. | 5.0 | 51 |
| 8 | Structural characterization of Î²-carotene-incorporated nanovesicles produced with non-purified phospholipids. Food Research International, 2016, 79, 95-105. | 6.2 | 40 |
| 9 | Correlation of the Physicochemical and Structural Properties of pDNA/Cationic Liposome Complexes with Their in Vitro Transfection. Langmuir, 2012, 28, 11535-11545. | 3.5 | 39 |
| 10 | Effects of diffusion and mixing pattern on microfluidic-assisted synthesis of chitosan/ATP nanoparticles. Lab on A Chip, 2017, 17, 2281-2293. | 6.0 | 39 |
| 11 | Scalable production of highly concentrated chitosan/TPP nanoparticles in different pHs and evaluation of the in vitro transfection efficiency. Biochemical Engineering Journal, 2015, 94, 65-73. | 3.6 | 37 |
| 12 | Microfluidic Assembly of pDNA/Cationic Liposome Lipoplexes with High pDNA Loading for Gene Delivery. Langmuir, 2016, 32, 1799-1807. | 3.5 | 36 |
| 13 | Advanced Microfluidic Technologies for Lipid Nano-Microsystems from Synthesis to Biological Application. Pharmaceutics, 2022, 14, 141. | 4.5 | 35 |
| 14 | Association between Cationic Liposomes and Low Molecular Weight Hyaluronic Acid. Langmuir, 2015, 31, 3308-3317. | 3.5 | 34 |
| 15 | Microfluidic tools toward industrial biotechnology. Biotechnology Progress, 2016, 32, 1372-1389. | 2.6 | 32 |
| 16 | The synergy between structural stability and DNA-binding controls the antibody production in EPC/DOTAP/DOPE liposomes and DOTAP/DOPE lipoplexes. Colloids and Surfaces B: Biointerfaces, 2009, 73, 175-184. | 5.0 | 30 |
| 17 | Recent advances in co-delivery nanosystems for synergistic action in cancer treatment. Journal of Materials Chemistry B, 2021, 9, 1208-1237. | 5.8 | 30 |
| 18 | Integrated microfluidic devices for the synthesis of nanoscale liposomes and lipoplexes. Colloids and Surfaces B: Biointerfaces, 2017, 152, 406-413. | 5.0 | 29 |

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|---|---|---|---|
| 19 | Effectiveness, against tuberculosis, of pseudo-ternary complexes: Peptide-DNA-cationic liposome. Journal of Colloid and Interface Science, 2012, 373, 102-109. | 9.4 | 24 |
| 20 | Protective efficacy of different strategies employingMycobacterium lepraeheat-shock protein 65 against tuberculosis. Expert Opinion on Biological Therapy, 2008, 8, 1255-1264. | 3.1 | 21 |
| 21 | Bacillus subtilis immobilization in alginate microfluidic-based microparticles aiming to improve lipase productivity. Biochemical Engineering Journal, 2019, 143, 110-120. | 3.6 | 21 |
| 22 | Surface miscibility of EPC/DOTAP/DOPE in binary and ternary mixed monolayers. Colloids and Surfaces B: Biointerfaces, 2011, 83, 260-269. | 5.0 | 19 |
| 23 | 3D micromixer for nanoliposome synthesis: a promising advance in high mass productivity. Lab on A Chip, 2021, 21, 2971-2985. | 6.0 | 17 |
| 24 | Development of a non-viral gene delivery vector based on the dynein light chain Rp3 and the TAT peptide. Journal of Biotechnology, 2014, 173, 10-18. | 3.8 | 16 |
| 25 | Chitosan nanoparticles produced with the gradual temperature decrease technique for sustained gene delivery. Biochemical Engineering Journal, 2015, 103, 114-121. | 3.6 | 16 |
| 26 | Tracking the Evolution of Transiently Transfected Individual Cells in a Microfluidic Platform. Scientific Reports, 2018, 8, 1225. | 3.3 | 16 |
| 27 | High-throughput conventional and stealth cationic liposome synthesis using a chaotic advection-based microfluidic device combined with a centrifugal vacuum concentrator. Chemical Engineering Journal, 2020, 382, 122821. | 12.7 | 16 |
| 28 | High adhesion strength and hybrid irreversible/reversible full-PDMS microfluidic chips. Analytica Chimica Acta, 2017, 951, 116-123. | 5.4 | 15 |
| 29 | Hybrid microgels produced via droplet microfluidics for sustainable delivery of hydrophobic and hydrophilic model nanocarriers. Materials Science and Engineering C, 2021, 118, 111467. | 7.3 | 15 |
| 30 | Cultivation of yeast in diffusion-based microfluidic device. Biochemical Engineering Journal, 2016, 105, 288-295. | 3.6 | 14 |
| 31 | Effects of extrusion, lipid concentration and purity on physico-chemical and biological properties of cationic liposomes for gene vaccine applications. Journal of Microencapsulation, 2012, 29, 759-769. | 2.8 | 13 |
| 32 | Influence of particle size and fluid fraction on rheological and extrusion properties of crosslinked hyaluronic acid hydrogel dispersions. Journal of Applied Polymer Science, 2013, 128, 2180-2185. | 2.6 | 13 |
| 33 | Physicochemical and in vitro evaluation of cationic liposome, hyaluronic acid and plasmid DNA as pseudo-ternary complexes for gene delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 262-270. | 4.7 | 13 |
| 34 | Cationic liposomes produced via ethanol injection method for dendritic cell therapy. Journal of Liposome Research, 2017, 27, 249-263. | 3.3 | 13 |
| 35 | Ionic strength for tailoring the synthesis of monomodal stealth cationic liposomes in microfluidic devices. Colloids and Surfaces B: Biointerfaces, 2019, 179, 233-241. | 5.0 | 12 |
| 36 | Recombinant protein-based nanocarriers and their association with cationic liposomes: Characterization and in vitro evaluation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 1-10. | 4.7 | 11 |

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| 37 | Evaluation of siRNA and cationic liposomes complexes as a model for in vitro siRNA delivery to cancer cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 280-289. | 4.7 | 10 |
| 38 | Microfluidics in Sickle Cell Disease Research: State of the Art and a Perspective Beyond the Flow Problem. Frontiers in Molecular Biosciences, 2020, 7, 558982. | 3.5 | 9 |
| 39 | EVALUATION OF SILICA NANOPARTICLE COLLOIDAL STABILITY WITH A FIBER OPTIC QUASI-ELASTIC LIGHT SCATTERING SENSOR. Brazilian Journal of Chemical Engineering, 2019, 36, 1519-1534. | 1.3 | 9 |
| 40 | Methyl Oleate Synthesis by TiO<sub>2</sub> Photocatalytic Esterification of Oleic Acid: Optimisation by Response Surface Quadratic Methodology, Reaction Kinetics and Thermodynamics. ChemPhotoChem, 2022, 6, . | 3.0 | 9 |
| 41 | Cationic Liposomes as Non-viral Vector for RNA Delivery in Cancer Immunotherapy. Recent Patents on Drug Delivery and Formulation, 2013, 7, 99-110. | 2.1 | 8 |
| 42 | A step forward towards the design of a continuous process to produce hybrid liposome/protein microcapsules. Journal of Food Engineering, 2017, 214, 175-181. | 5.2 | 7 |
| 43 | Layer-by-Layer Biomimetic Microgels for 3D Cell Culture and Nonviral Gene Delivery. Biomacromolecules, 2022, 23, 1545-1556. | 5.4 | 7 |
| 44 | Technological Aspects of Scalable Processes for the Production of Functional Liposomes for Gene Therapy. , 2011, , . | | 6 |
| 45 | Dendritic Cells Stimulated by Cationic Liposomes. Journal of Nanoscience and Nanotechnology, 2016, 16, 270-279. | 0.9 | 6 |
| 46 | Perfusion microbioreactor system with permeable membranes to monitor bacterial growth. Journal of Chemical Technology and Biotechnology, 2019, 94, 712-720. | 3.2 | 6 |
| 47 | A modular, reversible sealing, and reusable microfluidic device for drug screening. Analytica Chimica Acta, 2021, 1185, 339068. | 5.4 | 6 |
| 48 | A mathematical model describing the kinetic of cationic liposome production from dried lipid films adsorbed in a multitubular system. Brazilian Journal of Chemical Engineering, 2007, 24, 477-486. | 1.3 | 5 |
| 49 | Lipid Matrices for Nanoencapsulation in Food: Liposomes and Lipid Nanoparticles. Food Engineering Series, 2015, , 99-143. | 0.7 | 5 |
| 50 | Perfusion Microfermentor Integrated into a Fiber Optic Quasi-Elastic Light Scattering Sensor for Fast Screening of Microbial Growth Parameters. Sensors, 2019, 19, 2493. | 3.8 | 5 |
| 51 | Application of Optical Fiber Sensor on Fermentation Monitoring. , 2018, , . | | 4 |
| 52 | Bulk and Microfluidic Synthesis of Stealth and Cationic Liposomes for Applications. Methods in Molecular Biology, 2021, 2197, 253-269. | 0.9 | 3 |
| 53 | Hybrid polymer/lipid vesicle synthesis: Association between cationic liposomes and lipoplexes with chondroitin sulfate. Colloids and Surfaces B: Biointerfaces, 2022, 210, 112233. | 5.0 | 3 |
| 54 | Trends in hydrogel-based encapsulation technologies for advanced cell therapies applied to limb ischemia. Materials Today Bio, 2022, 13, 100221. | 5.5 | 3 |

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| 55 | Droplet microfluidics for double lipase immobilisation using TiO2 and alginate microbeads. Journal of Industrial and Engineering Chemistry, 2022, 110, 576-586. | 5.8 | 3 |
| 56 | The diffusion-driven microfluidic process to manufacture lipid-based nanotherapeutics with stealth properties for siRNA delivery. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112476. | 5.0 | 3 |
| 57 | Optical Fiber Sensor as an Alternative for Colorimetric Image Processing for the Assessment of Dye Concentration. , 2018, , . | | 2 |
| 58 | Online Monitoring of Cell Growth on PDMS-PDMS Reversible Microfluidic Bioreactor Integrated to Optical Fiber Sensor. , 2019, , . | | 2 |
| 59 | Microfluidic encapsulation of nanoparticles in alginate microgels gelled via competitive ligand exchange crosslinking. Biopolymers, 2021, 112, e23432. | 2.4 | 2 |
| 60 | Freeze-Dried Microfluidic Monodisperse Microbubbles as a New Generation of Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2022, , . | 1.5 | 2 |
| 61 | Biopolymers for gene delivery applications. , 2017, , 289-323. | | 1 |
| 62 | Double T-junction microfluidic and conventional dripping systems for Bacillus subtilis immobilization in calcium alginate microparticles for lipase production. Enzyme and Microbial Technology, 2022, 154, 109976. | 3.2 | 1 |
| 63 | Su.30. Mycobacterium tuberculosis Infection is Diminished in Mice Immunized by Intranasal Route with a Novel Cationic Liposome Carrying DNA-hsp65. Clinical Immunology, 2008, 127, S134. | 3.2 | 0 |
| 64 | TB Vaccines: State of the Art and Progresses. , 2013, , 237-256. | | 0 |
| 65 | Evaluation of the electrostatic association between cationic and stealth liposomes with nucleic acids in microfluidics. , 0, , . | | 0 |
| 66 | Synthesis of peptide-based nanoparticles on electrostatic complexation via microfluidic route. , 0, , . | | 0 |
| 67 | One-step Production of Sterically Stabilized Anionic Nanoliposome Using Microfluidic Device. Journal of Oleo Science, 2022, 71, 515-522. | 1.4 | 0 |
| 68 | Elastic liposomes as transcutaneous DNA vaccine vectors. , 2022, , 103-127. | | 0 |
| 69 | Enhancement of the vorticity based on side feeding in a microdevice. Microfluidics and Nanofluidics, 2022, 26, 1. | 2.2 | 0 |