Lucimara de la Torre

List of Publications by Year
in descending order

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69	1,313	361045	377514
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.	4.2	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.	6.6	88
3	Hybrid encapsulation structures based on Î²-carotene-loaded nanoliposomes within electrospun fibers. Colloids and Surfaces B: Biointerfaces, 2015, 134, 475-482.	2.5	88
4	Protection against tuberculosis by a single intranasal administration of DNA-hsp65 vaccine complexed with cationic liposomes. BMC Immunology, 2008, 9, 38.	0.9	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.	2.5	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.	6.6	56
7	High-throughput continuous production of liposomes using hydrodynamic flow-focusing microfluidic devices. Colloids and Surfaces B: Biointerfaces, 2017, 156, 349-357.	2.5	51
8	Structural characterization of Î²-carotene-incorporated nanovesicles produced with non-purified phospholipids. Food Research International, 2016, 79, 95-105.	2.9	40
9	Correlation of the Physicochemical and Structural Properties of pDNA/Cationic Liposome Complexes with Their in Vitro Transfection. Langmuir, 2012, 28, 11535-11545.	1.6	39
10	Effects of diffusion and mixing pattern on microfluidic-assisted synthesis of chitosan/ATP nanoparticles. Lab on A Chip, 2017, 17, 2281-2293.	3.1	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.	1.8	37
12	Microfluidic Assembly of pDNA/Cationic Liposome Lipoplexes with High pDNA Loading for Gene Delivery. Langmuir, 2016, 32, 1799-1807.	1.6	36
13	Advanced Microfluidic Technologies for Lipid Nano-Microsystems from Synthesis to Biological Application. Pharmaceutics, 2022, 14, 141.	2.0	35
14	Association between Cationic Liposomes and Low Molecular Weight Hyaluronic Acid. Langmuir, 2015, 31, 3308-3317.	1.6	34
15	Microfluidic tools toward industrial biotechnology. Biotechnology Progress, 2016, 32, 1372-1389.	1.3	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.	2.5	30
17	Recent advances in co-delivery nanosystems for synergistic action in cancer treatment. Journal of Materials Chemistry B, 2021, 9, 1208-1237.	2.9	30
18	Integrated microfluidic devices for the synthesis of nanoscale liposomes and lipoplexes. Colloids and Surfaces B: Biointerfaces, 2017, 152, 406-413.	2.5	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.	5.0	24
20	Protective efficacy of different strategies employingMycobacterium lepraeheat-shock protein 65 against tuberculosis. Expert Opinion on Biological Therapy, 2008, 8, 1255-1264.	1.4	21
21	Bacillus subtilis immobilization in alginate microfluidic-based microparticles aiming to improve lipase productivity. Biochemical Engineering Journal, 2019, 143, 110-120.	1.8	21
22	Surface miscibility of EPC/DOTAP/DOPE in binary and ternary mixed monolayers. Colloids and Surfaces B: Biointerfaces, 2011, 83, 260-269.	2.5	19
23	3D micromixer for nanoliposome synthesis: a promising advance in high mass productivity. Lab on A Chip, 2021, 21, 2971-2985.	3.1	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.	1.9	16
25	Chitosan nanoparticles produced with the gradual temperature decrease technique for sustained gene delivery. Biochemical Engineering Journal, 2015, 103, 114-121.	1.8	16
26	Tracking the Evolution of Transiently Transfected Individual Cells in a Microfluidic Platform. Scientific Reports, 2018, 8, 1225.	1.6	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.	6.6	16
28	High adhesion strength and hybrid irreversible/reversible full-PDMS microfluidic chips. Analytica Chimica Acta, 2017, 951, 116-123.	2.6	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.	3.8	15
30	Cultivation of yeast in diffusion-based microfluidic device. Biochemical Engineering Journal, 2016, 105, 288-295.	1.8	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.	1.2	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.	1.3	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.	2.3	13
34	Cationic liposomes produced via ethanol injection method for dendritic cell therapy. Journal of Liposome Research, 2017, 27, 249-263.	1.5	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.	2.5	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.	2.3	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.	2.3	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.	1.6	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.	0.7	9
40	Methyl Oleate Synthesis by TiO₂ Photocatalytic Esterification of Oleic Acid: Optimisation by Response Surface Quadratic Methodology, Reaction Kinetics and Thermodynamics. ChemPhotoChem, 2022, 6, .	1.5	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.	2.7	7
43	Layer-by-Layer Biomimetic Microgels for 3D Cell Culture and Nonviral Gene Delivery. Biomacromolecules, 2022, 23, 1545-1556.	2.6	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.	1.6	6
47	A modular, reversible sealing, and reusable microfluidic device for drug screening. Analytica Chimica Acta, 2021, 1185, 339068.	2.6	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.	0.7	5
49	Lipid Matrices for Nanoencapsulation in Food: Liposomes and Lipid Nanoparticles. Food Engineering Series, 2015, , 99-143.	0.3	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.	2.1	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.	0.4	3
53	Hybrid polymer/lipid vesicle synthesis: Association between cationic liposomes and lipoplexes with chondroitin sulfate. Colloids and Surfaces B: Biointerfaces, 2022, 210, 112233.	2.5	3
54	Trends in hydrogel-based encapsulation technologies for advanced cell therapies applied to limb ischemia. Materials Today Bio, 2022, 13, 100221.	2.6	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.	2.9	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.	2.5	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.	1.2	2
60	Freeze-Dried Microfluidic Monodisperse Microbubbles as a New Generation of Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2022, , .	0.7	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.	1.6	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.	1.4	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.	0.6	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.	1.0	0