

Luca Casettari

List of Publications by Year in descending order

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88
papers

3,619
citations

126858

33
h-index

143943

57
g-index

88
all docs

88
docs citations

88
times ranked

5601
citing authors

#	ARTICLE	IF	CITATIONS
1	A combination of sugar esters and chitosan to promote in vivo wound care. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121508.	2.6	15
2	Comparative Analysis of the Antimicrobial Activity of Essential Oils and Their Formulated Microemulsions against Foodborne Pathogens and Spoilage Bacteria. <i>Antibiotics</i> , 2022, 11, 447.	1.5	15
3	Development and evaluation of a 3D printing protocol to produce zolpidem-containing printlets, as compounding preparation, by the pressurized-assisted microsyringes technique. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121756.	2.6	3
4	Poly(3-hydroxybutyrate): A potential biodegradable excipient for direct 3D printing of pharmaceuticals. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121960.	2.6	6
5	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. <i>Acta Biomaterialia</i> , 2021, 133, 231-243.	4.1	72
6	Intracellular Delivery of Budesonide and Polydopamine Co-loaded in Endosomolytic Poly(butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 from M1 to M2. <i>Advanced Therapeutics</i> , 2021, 4, 2000058.	1.6	13
7	Insights in the rheological properties of PLGA-PEG-PLGA aqueous dispersions: Structural properties and temperature-dependent behaviour. <i>Polymer</i> , 2021, 213, 123216.	1.8	7
8	3D printed clotrimazole intravaginal ring for the treatment of recurrent vaginal candidiasis. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120290.	2.6	58
9	Anti-SASP and anti-inflammatory activity of resveratrol, curcumin and Î²-caryophyllene association on human endothelial and monocytic cells. <i>Biogerontology</i> , 2021, 22, 297-313.	2.0	21
10	Microfluidics for nanomedicines manufacturing: An affordable and low-cost 3D printing approach. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120464.	2.6	36
11	Permeability-enhancing effects of three laurate-disaccharide monoesters across isolated rat intestinal mucosae. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120593.	2.6	7
12	Nasal vaccination against SARS-CoV-2: Synergistic or alternative to intramuscular vaccines?. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120686.	2.6	83
13	An easy 3D printing approach to manufacture vertical diffusion cells for in vitro release and permeation studies. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102661.	1.4	4
14	Prunus spinosa Extract Loaded in Biomimetic Nanoparticles Evokes In Vitro Anti-Inflammatory and Wound Healing Activities. <i>Nanomaterials</i> , 2021, 11, 36.	1.9	17
15	Incorporation of PEGylated Î²-decalactone into lipid bilayers: thermodynamic study and chimeric liposomes development. <i>Journal of Liposome Research</i> , 2020, 30, 209-217.	1.5	6
16	Microfluidic production of protein loaded chimeric stealth liposomes. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119955.	2.6	14
17	Determining critical parameters that influence in vitro performance characteristics of a thermosensitive liposome formulation of vinorelbine. <i>Journal of Controlled Release</i> , 2020, 328, 551-561.	4.8	16
18	Properties and stability of nanoemulsions: How relevant is the type of surfactant?. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101772.	1.4	19

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19	Quercetin Loaded Monolaurate Sugar Esters-Based Niosomes: Sustained Release and Mutual Antioxidantâ€™Hepatoprotective Interplay. <i>Pharmaceutics</i> , 2020, 12, 143.	2.0	35
20	3D Printing of Drug-Loaded Thermoplastic Polyurethane Meshes: A Potential Material for Soft Tissue Reinforcement in Vaginal Surgery. <i>Pharmaceutics</i> , 2020, 12, 63.	2.0	92
21	Microparticles-in-Thermoresponsive/Bioadhesive Hydrogels as a Novel Integrated Platform for Effective Intra-articular Delivery of Triamcinolone Acetonide. <i>Molecular Pharmaceutics</i> , 2020, 17, 1963-1978.	2.3	19
22	3D-printed microfluidic chip for the preparation of glycyrrhetic acid-loaded ethanolic liposomes. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119436.	2.6	22
23	Linear Viscoelastic Properties of Selected Polysaccharide Gums as Function of Concentration, pH, and Temperature. <i>Journal of Food Science</i> , 2019, 84, 65-72.	1.5	22
24	Transmucosal Absorption Enhancers in the Drug Delivery Field. <i>Pharmaceutics</i> , 2019, 11, 339.	2.0	24
25	Triamcinolone acetonide-loaded PLA/PEG-PDL microparticles for effective intra-articular delivery: synthesis, optimization, in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2019, 309, 125-144.	4.8	31
26	PEGylation affects the self-assembling behaviour of amphiphilic octapeptides. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118752.	2.6	9
27	Application of Permeation Enhancers in Oral Delivery of Macromolecules: An Update. <i>Pharmaceutics</i> , 2019, 11, 41.	2.0	111
28	Exploring optimized methoxy poly(ethylene glycol)-block-poly(μ -caprolactone) crystalline cored micelles in anti-glaucoma pharmacotherapy. <i>International Journal of Pharmaceutics</i> , 2019, 566, 573-584.	2.6	37
29	Polyhydroxyalkanoate (PHA): applications in drug delivery and tissue engineering. <i>Expert Review of Medical Devices</i> , 2019, 16, 467-482.	1.4	106
30	Development and In Vivo Evaluation of Multidrug Ultradeformable Vesicles for the Treatment of Skin Inflammation. <i>Pharmaceutics</i> , 2019, 11, 644.	2.0	17
31	Chitosan-based nanosystems and their exploited antimicrobial activity. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 8-20.	1.9	196
32	Lactose oleate as new biocompatible surfactant for pharmaceutical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 55-62.	2.0	71
33	Acute and sub-lethal toxicity of eight essential oils of commercial interest against the filariasis mosquito <i>Culex quinquefasciatus</i> and the housefly <i>Musca domestica</i> . <i>Industrial Crops and Products</i> , 2018, 112, 668-680.	2.5	111
34	Star-shaped poly(oligoethylene glycol) copolymer-based gels: Thermo-responsive behaviour and bioapplicability for risedronate intranasal delivery. <i>International Journal of Pharmaceutics</i> , 2018, 543, 224-233.	2.6	18
35	Aggregation of zein in aqueous ethanol dispersions: Effect on cast film properties. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 360-368.	3.6	31
36	A Tailored Thermosensitive PLGA-PEG-PLGA/Emulsomes Composite for Enhanced Oxcarbazepine Brain Delivery via the Nasal Route. <i>Pharmaceutics</i> , 2018, 10, 217.	2.0	35

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37	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. <i>Small</i> , 2018, 14, e1800462.	5.2	53
38	Chitosan Loaded into a Hydrogel Delivery System as a Strategy to Treat Vaginal Co-Infection. <i>Pharmaceutics</i> , 2018, 10, 23.	2.0	37
39	Comparative Study of Diethylaminoethyl-Chitosan and Methylglycol-Chitosan as Potential Non-Viral Vectors for Gene Therapy. <i>Polymers</i> , 2018, 10, 442.	2.0	42
40	Synthesis, Structure-Activity Relationships and In Vitro Toxicity Profile of Lactose-Based Fatty Acid Monoesters as Possible Drug Permeability Enhancers. <i>Pharmaceutics</i> , 2018, 10, 81.	2.0	27
41	Chitosans as new tools against biofilms formation on the surface of silicone urinary catheters. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2193-2200.	3.6	21
42	Formulation, swelling and dissolution kinetics study of zein based matrix tablets. <i>Powder Technology</i> , 2017, 310, 241-249.	2.1	21
43	Rhamnolipids as epithelial permeability enhancers for macromolecular therapeutics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 119, 419-425.	2.0	18
44	Chitosans inhibit the growth and the adhesion of <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> clinical isolates on urinary catheters. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 135-141.	1.1	29
45	Activity of essential oil-based microemulsions against <i>Staphylococcus aureus</i> biofilms developed on stainless steel surface in different culture media and growth conditions. <i>International Journal of Food Microbiology</i> , 2017, 241, 132-140.	2.1	77
46	Water-in-Oil Microemulsions for Protein Delivery: Loading Optimization and Stability. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 410-421.	0.9	5
47	Unsaturated fatty acids lactose esters: cytotoxicity, permeability enhancement and antimicrobial activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 88-96.	2.0	44
48	Chemical and microbiological stability studies of an aqueous solution of pravastatin sodium salt for drug therapy of the dysphagic patients. <i>European Journal of Hospital Pharmacy</i> , 2016, 23, 288-293.	0.5	2
49	Characterization of biosurfactants produced by <i>Lactobacillus</i> spp. and their activity against oral streptococci biofilm. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6767-6777.	1.7	45
50	Potential and development of inhaled RNAi therapeutics for the treatment of pulmonary tuberculosis. <i>Advanced Drug Delivery Reviews</i> , 2016, 102, 21-32.	6.6	20
51	Nanoparticles Based on Linear and Star-Shaped Poly(Ethylene Glycol)-Poly(ϵ -Caprolactone) Copolymers for the Delivery of Antitubulin Drug. <i>Pharmaceutical Research</i> , 2016, 33, 2010-2024.	1.7	17
52	Correlation among chemical structure, surface properties and cytotoxicity of N-acyl alanine and serine surfactants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 109, 93-102.	2.0	28
53	Fabrication of novel high performance ductile poly(lactic acid) nanofiber scaffold coated with poly(vinyl alcohol) for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2016, 60, 143-150.	3.8	90
54	Acoustic spectroscopy: A powerful analytical method for the pharmaceutical field?. <i>International Journal of Pharmaceutics</i> , 2016, 503, 174-195.	2.6	34

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55	Chemicalâ€“physical properties and cytotoxicity of N -decanoyl amino acid-based surfactants: Effect of polar heads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 38-46.	2.3	33
56	Pulmonary delivery of rifampicin microspheres using lower generation polyamidoamine dendrimers as a carrier. <i>Powder Technology</i> , 2016, 291, 366-374.	2.1	35
57	Effect of manufacturing temperature and molecular weights on compression, mechanical and dissolution properties of PEO matrix tablets. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 236-240.	1.4	15
58	Optimization of Melatonin Dissolution from Extended Release Matrices Using Artificial Neural Networking. <i>Current Drug Delivery</i> , 2016, 13, 565-573.	0.8	9
59	PEGylated Biodegradable Polyesters for PGSS Microparticles Formulation: Processability, Physical and Release Properties. <i>Current Drug Delivery</i> , 2016, 13, 673-681.	0.8	7
60	Inhalable spray-dried formulation of D-LAK antimicrobial peptides targeting tuberculosis. <i>International Journal of Pharmaceutics</i> , 2015, 491, 367-374.	2.6	37
61	Oleanolic Acid Loaded PEGylated PLA and PLGA Nanoparticles with Enhanced Cytotoxic Activity against Cancer Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 2112-2125.	2.3	38
62	Dextran and its potential use as tablet excipient. <i>Powder Technology</i> , 2015, 273, 125-132.	2.1	22
63	Could Albumin Affect the Self-Assembling Properties of a Block Co-polymer System and Drug Release? An In-Vitro Study. <i>Pharmaceutical Research</i> , 2015, 32, 1094-1104.	1.7	7
64	Determination of factors controlling the particle size and entrapment efficiency of noscapine in PEG/PLA nanoparticles using artificial neural networks. <i>International Journal of Nanomedicine</i> , 2014, 9, 4953.	3.3	42
65	Chitosan in nasal delivery systems for therapeutic drugs. <i>Journal of Controlled Release</i> , 2014, 190, 189-200.	4.8	331
66	Rheological characterization of polyvinyl caprolactamâ€“polyvinyl acetateâ€“polyethylene glycol graft copolymer (Soluplus®) water dispersions. <i>Colloid and Polymer Science</i> , 2014, 292, 235-241.	1.0	26
67	Use of in-die powder densification parameters in the implementation of process analytical technologies for tablet production on industrial scale. <i>International Journal of Pharmaceutics</i> , 2014, 477, 140-147.	2.6	6
68	Evaluation of Citrus Fibers as a Tablet Excipient. <i>AAPS PharmSciTech</i> , 2014, 15, 279-286.	1.5	6
69	Evaluation of thermosensitive poloxamer 407 gel systems for the sustained release of estradiol in a fish model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 954-961.	2.0	22
70	Evaluation of P(L)LA-PEG-P(L)LA as processing aid for biodegradable particles from gas saturated solutions (PGSS) process. <i>International Journal of Pharmaceutics</i> , 2014, 468, 250-257.	2.6	27
71	Rheological and thermo-mechanical properties of Sepifilmâ€“Sepisperse water dispersions and films. <i>Thermochimica Acta</i> , 2013, 557, 7-12.	1.2	2
72	Effect of phosphate buffer on the micellisation process of Poloxamer 407: Microcalorimetry, acoustic spectroscopy and dynamic light scattering (DLS) studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 123-129.	2.3	24

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73	Characterization of the interaction between chitosan and inorganic sodium phosphates by means of rheological and optical microscopy studies. <i>Carbohydrate Polymers</i> , 2013, 91, 597-602.	5.1	28
74	The use of acoustic spectroscopy in the characterisation of ternary phase diagrams. <i>International Journal of Pharmaceutics</i> , 2013, 441, 603-610.	2.6	7
75	Effect of temperature increase during the tableting of pharmaceutical materials. <i>International Journal of Pharmaceutics</i> , 2013, 448, 320-326.	2.6	34
76	Evaluation of methoxy polyethylene glycol- ϵ -poly lactide diblock copolymers as additive in hypromellose film coating. <i>Polymers for Advanced Technologies</i> , 2013, 24, 1018-1024.	1.6	4
77	Folic Acid Conjugated Chitosan Nanoparticles for Tumor Targeting of Therapeutic and Imaging Agents. <i>Pharmaceutical Nanotechnology</i> , 2013, 1, 184-203.	0.6	17
78	Biomedical applications of amino acid-modified chitosans: A review. <i>Biomaterials</i> , 2012, 33, 7565-7583.	5.7	123
79	Evaluation of dibutylchitin as new excipient for sustained drug release. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 979-984.	0.9	4
80	ORAC of chitosan and its derivatives. <i>Food Hydrocolloids</i> , 2012, 28, 243-247.	5.6	34
81	Absorption-promoting effects of chitosan in airway and intestinal cell lines: A comparative study. <i>International Journal of Pharmaceutics</i> , 2012, 430, 151-160.	2.6	63
82	PEGylated chitosan derivatives: Synthesis, characterizations and pharmaceutical applications. <i>Progress in Polymer Science</i> , 2012, 37, 659-685.	11.8	204
83	Poloxamer Thermogel Systems as Medium for Crystallization. <i>Pharmaceutical Research</i> , 2012, 29, 818-826.	1.7	16
84	Dynamic mechanical thermal analysis of hypromellose 2910 free films. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 458-463.	2.0	28
85	Surface Characterisation of Bioadhesive PLGA/Chitosan Microparticles Produced by Supercritical Fluid Technology. <i>Pharmaceutical Research</i> , 2011, 28, 1668-1682.	1.7	34
86	Tight junction modulation by chitosan nanoparticles: Comparison with chitosan solution. <i>International Journal of Pharmaceutics</i> , 2010, 400, 183-193.	2.6	197
87	Effect of PEGylation on the Toxicity and Permeability Enhancement of Chitosan. <i>Biomacromolecules</i> , 2010, 11, 2854-2865.	2.6	92
88	Radical scavenging activity of 5-methylpyrrolidinone chitosan and dibutyl chitin. <i>Carbohydrate Polymers</i> , 2008, 74, 640-647.	5.1	36