

Maria Luisa Torre

List of Publications by Year in descending order

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94
papers

3,570
citations

126708

33
h-index

149479

56
g-index

95
all docs

95
docs citations

95
times ranked

4880
citing authors

#	ARTICLE	IF	CITATIONS
1	Fat Injection for Cases of Severe Burn Outcomes: A New Perspective of Scar Remodeling and Reduction. <i>Aesthetic Plastic Surgery</i> , 2008, 32, 465-469.	0.5	261
2	Hyaluronic acid and its derivatives in drug delivery and imaging: Recent advances and challenges. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 400-416.	2.0	221
3	Mesenchymal Stem/Stromal Cells: A New Paradigm. Efficacy and Critical Aspects in Cell Therapy. <i>Current Pharmaceutical Design</i> , 2013, 19, 2459-2473.	0.9	144
4	Mesenchymal stem/stromal cell extracellular vesicles: From active principle to next generation drug delivery system. <i>Journal of Controlled Release</i> , 2017, 262, 104-117.	4.8	121
5	Dissolution behaviour of hydrophilic matrix tablets containing two different polyethylene oxides (PEOs) for the controlled release of a water-soluble drug. Dimensionality study. <i>Biomaterials</i> , 2002, 23, 1113-1119.	5.7	120
6	Sericins exhibit ROS-scavenging, anti-tyrosinase, anti-elastase, and in vitro immunomodulatory activities. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 47-56.	3.6	110
7	Pilot Production of Mesenchymal Stem/Stromal Freeze-Dried Secretome for Cell-Free Regenerative Nanomedicine: A Validated GMP-Compliant Process. <i>Cells</i> , 2018, 7, 190.	1.8	108
8	Mesenchymal Stromal Cell Secretome for Severe COVID-19 Infections: Premises for the Therapeutic Use. <i>Cells</i> , 2020, 9, 924.	1.8	106
9	Silk fibroin nanoparticles for celecoxib and curcumin delivery: ROS-scavenging and anti-inflammatory activities in an in vitro model of osteoarthritis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 37-45.	2.0	101
10	Nonexpanded Mesenchymal Stem Cells for Regenerative Medicine: Yield in Stromal Vascular Fraction from Adipose Tissues. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1515-1521.	1.1	99
11	Silk nanoparticles: from inert supports to bioactive natural carriers for drug delivery. <i>Soft Matter</i> , 2018, 14, 546-557.	1.2	98
12	Freeze-dried and GMP-compliant pharmaceuticals containing exosomes for acellular mesenchymal stromal cell immunomodulant therapy. <i>Nanomedicine</i> , 2019, 14, 753-765.	1.7	92
13	Alginate cell encapsulation: new advances in reproduction and cartilage regenerative medicine. <i>Cytotechnology</i> , 2008, 58, 49-56.	0.7	85
14	Ex Vivo Expanded Mesenchymal Stromal Cell Minimal Quality Requirements for Clinical Application. <i>Stem Cells and Development</i> , 2015, 24, 677-685.	1.1	79
15	Adipose-Derived Stem Cell Therapy for Intervertebral Disc Regeneration: An In Vitro Reconstructed Tissue in Alginate Capsules. <i>Tissue Engineering - Part A</i> , 2008, 14, 1415-1423.	1.6	78
16	Mesenchymal stem/stromal cell secretome for lung regeneration: The long way through pharmaceuticalization for the best formulation. <i>Journal of Controlled Release</i> , 2019, 309, 11-24.	4.8	78
17	Stem cell-extracellular vesicles as drug delivery systems: New frontiers for silk/curcumin nanoparticles. <i>International Journal of Pharmaceutics</i> , 2017, 520, 86-97.	2.6	75
18	Purification and Characterization of Adipose-Derived Stem Cells from Patients with Lipoaspirate Transplant. <i>Cell Transplantation</i> , 2010, 19, 1225-1235.	1.2	63

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19	Mesenchymal stromal cells loading curcumin-INVITE-micelles: A drug delivery system for neurodegenerative diseases. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 300-308.	2.5	61
20	Formulation of biphasic release tablets containing slightly soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1999, 48, 37-42.	2.0	53
21	Fast- and Slow-Release Tablets for Oral Administration of Flavonoids: Rutin and Quercetin. <i>Drug Development and Industrial Pharmacy</i> , 2002, 28, 371-379.	0.9	51
22	Adipose Mesenchymal Extracellular Vesicles as Alpha-1-Antitrypsin Physiological Delivery Systems for Lung Regeneration. <i>Cells</i> , 2019, 8, 965.	1.8	48
23	Press-coated tablets for time-programmed release of drugs. <i>Biomaterials</i> , 1993, 14, 1017-1023.	5.7	46
24	Controlled release of swine semen encapsulated in calcium alginate beads. <i>Biomaterials</i> , 2000, 21, 1493-1498.	5.7	44
25	Design, synthesis and evaluation of biotin decorated inulin-based polymeric micelles as long-circulating nanocarriers for targeted drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1245-1254.	1.7	41
26	Formulation and Characterization of Calcium Alginate Beads Containing Ampicillin. <i>Pharmaceutical Development and Technology</i> , 1998, 3, 193-198.	1.1	39
27	Sponge-Like Dressings Based on the Association of Chitosan and Sericin for the Treatment of Chronic Skin Ulcers. I. Design of Experiments-Assisted Development. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1180-1187.	1.6	39
28	pH-sensitive inulin-based nanomicelles for intestinal site-specific and controlled release of celecoxib. <i>Carbohydrate Polymers</i> , 2018, 181, 570-578.	5.1	37
29	Drug delivery of rifampicin by natural micelles based on inulin: Physicochemical properties, antibacterial activity and human macrophages uptake. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 250-258.	2.0	36
30	Growth Factors Delivery System for Skin Regeneration: An Advanced Wound Dressing. <i>Pharmaceutics</i> , 2020, 12, 120.	2.0	36
31	Regenerated Silk Fibroin Scaffold and Infrapatellar Adipose Stromal Vascular Fraction as Feeder-Layer: A New Product for Cartilage Advanced Therapy. <i>Tissue Engineering - Part A</i> , 2011, 17, 1725-1733.	1.6	35
32	Fabrication of Innovative Silk/Alginate Microcarriers for Mesenchymal Stem Cell Delivery and Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1829.	1.8	35
33	In Vitro Effectiveness of Microspheres Based on Silk Sericin and <i>Chlorella vulgaris</i> or <i>Arthrospira platensis</i> for Wound Healing Applications. <i>Materials</i> , 2017, 10, 983.	1.3	35
34	Association of silk sericin and platelet lysate: Premises for the formulation of wound healing active medications. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 37-47.	3.6	35
35	GMP-compliant sponge-like dressing containing MSC lyo-secretome: Proteomic network of healing in a murine wound model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 155, 37-48.	2.0	34
36	Veterinary Regenerative Medicine for Musculoskeletal Disorders: Can Mesenchymal Stem/Stromal Cells and Their Secretome Be the New Frontier?. <i>Cells</i> , 2020, 9, 1453.	1.8	32

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37	Follicle-Like Model by Granulosa Cell Encapsulation in a Barium Alginate-Protamine Membrane. <i>Tissue Engineering</i> , 2005, 11, 709-714.	4.9	31
38	In vitro maturation of human oocytes in a follicle-mimicking three-dimensional coculture. <i>Fertility and Sterility</i> , 2006, 86, 572-576.	0.5	28
39	In vitro efficacy of silk sericin microparticles and platelet lysate for intervertebral disk regeneration. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 792-799.	3.6	28
40	Boar spermatozoa encapsulated in barium alginate membranes: a microdensitometric evaluation of some enzymatic activities during storage at 18 °C. <i>Theriogenology</i> , 2004, 61, 173-184.	0.9	27
41	Skin substitutes based on allogenic fibroblasts or keratinocytes for chronic wounds not responding to conventional therapy: a retrospective observational study. <i>International Wound Journal</i> , 2016, 13, 44-52.	1.3	25
42	3D Bioprinted Scaffolds Containing Mesenchymal Stem/Stromal Lyosecretome: Next Generation Controlled Release Device for Bone Regenerative Medicine. <i>Pharmaceutics</i> , 2021, 13, 515.	2.0	25
43	A dry powder formulation from silk fibroin microspheres as a topical auto-gelling device. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 1-10.	1.1	23
44	Controlled delivery systems for tissue repair and regeneration. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 206-228.	1.4	23
45	Boar semen controlled delivery system: storage and in vitro spermatozoa release. <i>Journal of Controlled Release</i> , 2002, 85, 83-89.	4.8	22
46	Statistical approach in alginate membrane formulation for cell encapsulation in a GMP-based cell factory. <i>Acta Biomaterialia</i> , 2008, 4, 943-949.	4.1	22
47	Semen controlled-release capsules allow a single artificial insemination in sows. <i>Theriogenology</i> , 2009, 72, 439-444.	0.9	20
48	Polyacrylate/polyacrylate-PEG biomaterials obtained by high internal phase emulsions (HIPEs) with tailorable drug release and effective mechanical and biological properties. <i>Materials Science and Engineering C</i> , 2019, 105, 110060.	3.8	20
49	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. <i>Pharmaceutics</i> , 2021, 13, 1341.	2.0	20
50	A new holistic 3D non-invasive analysis of cellular distribution and motility on fibroin-alginate microcarriers using light sheet fluorescent microscopy. <i>PLoS ONE</i> , 2017, 12, e0183336.	1.1	19
51	Eco-sustainable silk sericin from by-product of textile industry can be employed for cosmetic, dermatology and drug delivery. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2549-2560.	1.6	19
52	Boar semen controlled-delivery system: morphological investigation and in vitro fertilization test. <i>Reproduction, Fertility and Development</i> , 2002, 14, 307.	0.1	18
53	Human Engineered Cartilage and Decellularized Matrix as an Alternative to Animal Osteoarthritis Model. <i>Polymers</i> , 2018, 10, 738.	2.0	18
54	Mesenchymal Stromal Cell Secretome for Post-COVID-19 Pulmonary Fibrosis: A New Therapy to Treat the Long-Term Lung Sequelae?. <i>Cells</i> , 2021, 10, 1203.	1.8	18

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55	Supramicellar solutions of sodium dodecyl sulphate as dissolution media to study the in vitro release characteristics of sustained-release formulations containing an insoluble drug: Nifedipine. <i>International Journal of Pharmaceutics</i> , 1996, 135, 73-79.	2.6	17
56	Silk Fibroin Nanoparticle Functionalization with Arg-Gly-Asp Cyclopentapeptide Promotes Active Targeting for Tumor Site-Specific Delivery. <i>Cancers</i> , 2021, 13, 1185.	1.7	17
57	Electrochemotherapy of Deep-Seated Tumors: State of Art and Perspectives as Possible "EPR Effect Enhancer" to Improve Cancer Nanomedicine Efficacy. <i>Cancers</i> , 2021, 13, 4437.	1.7	17
58	Paclitaxel-Loaded Silk Fibroin Nanoparticles: Method Validation by UHPLC-MS/MS to Assess an Exogenous Approach to Load Cytotoxic Drugs. <i>Pharmaceutics</i> , 2019, 11, 285.	2.0	15
59	Anti-angiogenic activity of uncoated- and N,O-carboxymethyl-chitosan surface modified-Gelucire® 50/13 based solid lipid nanoparticles for oral delivery of curcumin. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101494.	1.4	15
60	Polyphenols-Loaded Sericin Self-Assembling Nanoparticles: A Slow-Release for Regeneration by Tissue-Resident Mesenchymal Stem/Stromal Cells. <i>Pharmaceutics</i> , 2020, 12, 381.	2.0	15
61	Freeze-Dried Mesenchymal Stem Cell-Secretome Pharmaceuticalization: Optimization of Formulation and Manufacturing Process Robustness. <i>Pharmaceutics</i> , 2021, 13, 1129.	2.0	15
62	Alginate encapsulation preserves the quality and fertilizing ability of Mediterranean Italian water buffalo (<i>Bubalus bubalis</i>) and Holstein Friesian (<i>Bos taurus</i>) spermatozoa after cryopreservation. <i>Journal of Veterinary Science</i> , 2017, 18, 81.	0.5	14
63	Combination of inulin and β -cyclodextrin properties for colon delivery of hydrophobic drugs. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119861.	2.6	14
64	Boar Sperm Encapsulation Reduces <i>In Vitro</i> Polyspermy. <i>Reproduction in Domestic Animals</i> , 2010, 45, 359-362.	0.6	13
65	Encapsulation of sex sorted boar semen: Sperm membrane status and oocyte penetration parameters. <i>Theriogenology</i> , 2013, 79, 575-581.	0.9	13
66	Local biological effects of adipose stromal vascular fraction delivery systems after subcutaneous implantation in a murine model. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 600-612.	0.8	12
67	Silk/Fibroin Microcarriers for Mesenchymal Stem Cell Delivery: Optimization of Cell Seeding by the Design of Experiment. <i>Pharmaceutics</i> , 2018, 10, 200.	2.0	12
68	Barium alginate cell-delivery systems: correlation between technological parameters. <i>International Journal of Pharmaceutics</i> , 2002, 242, 389-391.	2.6	11
69	GMP-Compliant Culture of Human Hair Follicle Cells for Encapsulation and Transplantation. <i>Cell Transplantation</i> , 2012, 21, 373-378.	1.2	11
70	Stromal Vascular Fraction Loaded Silk Fibroin Mats Effectively Support the Survival of Diabetic Mice after Pancreatic Islet Transplantation. <i>Macromolecular Bioscience</i> , 2017, 17, 1700131.	2.1	11
71	Equine Mesenchymal Stem/Stromal Cells Freeze-Dried Secretome (Lyosecretome) for the Treatment of Musculoskeletal Diseases: Production Process Validation and Batch Release Test for Clinical Use. <i>Pharmaceutics</i> , 2021, 14, 553.	1.7	11
72	Alginate/Polymethacrylate Copolymer Microparticles for the Intestinal Delivery of Enzymes. <i>Current Drug Delivery</i> , 2007, 4, 103-108.	0.8	10

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73	Formulation of microspheres containing <i>Crataegus monogyna</i> Jacq. extract with free radical scavenging activity. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 65-72.	1.1	10
74	A Micellar-Hydrogel Nanogrid from a UV Crosslinked Inulin Derivative for the Simultaneous Delivery of Hydrophobic and Hydrophilic Drugs. <i>Pharmaceutics</i> , 2018, 10, 97.	2.0	10
75	Chromatographic profiling of silk sericin for biomedical and cosmetic use by complementary hydrophilic, reversed phase and size exclusion chromatographic methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113291.	1.4	10
76	Cell Encapsulation in Mammal Reproduction. <i>Recent Patents on Drug Delivery and Formulation</i> , 2007, 1, 81-85.	2.1	9
77	Sperm Encapsulation from 1985 to Date: Technology Evolution and New Challenges in Swine Reproduction. <i>Reproduction in Domestic Animals</i> , 2015, 50, 98-102.	0.6	9
78	Biohybrid Bovine Bone Matrix for Controlled Release of Mesenchymal Stem/Stromal Cell Lyosecretome: A Device for Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4064.	1.8	9
79	Canine Mesenchymal Cell Lyosecretome Production and Safety Evaluation after Allogenic Intraarticular Injection in Osteoarthritic Dogs. <i>Animals</i> , 2021, 11, 3271.	1.0	9
80	Crocetin as New Cross-Linker for Bioactive Sericin Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 680.	2.0	8
81	Boar sperm changes after sorting and encapsulation in barium alginate membranes. <i>Theriogenology</i> , 2013, 80, 526-532.	0.9	7
82	Three-Dimensional Bioprinted Controlled Release Scaffold Containing Mesenchymal Stem/Stromal Lyosecretome for Bone Regeneration: Sterile Manufacturing and In Vitro Biological Efficacy. <i>Biomedicines</i> , 2022, 10, 1063.	1.4	7
83	Boar semen controlled delivery system: analysis of batch seasonal variability. <i>International Journal of Pharmaceutics</i> , 2002, 242, 385-387.	2.6	6
84	Enhancing Insemination Performance in Pigs Through Controlled Release of Encapsulated Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2012, 47, 353-358.	0.6	6
85	Freeze-Dried Secretome (Lyosecretome) from Mesenchymal Stem/Stromal Cells Promotes the Osteoinductive and Osteoconductive Properties of Titanium Cages. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8445.	1.8	6
86	Dimensional analysis of milk fat globules in sow milk: effects of the lactation stage and fat content and comparison with vaccine milk. <i>Veterinary Research Communications</i> , 2010, 34, 29-32.	0.6	5
87	Purification and Characterization of Adipose-Derived Stem Cells from Patients with Lipoaspirate Transplant. <i>Cell Medicine</i> , 2010, 1, 3-14.	5.0	4
88	Human adipose-derived stromal cells as a feeder layer to improve keratinocyte expansion for clinical applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2015, 12, 249-258.	1.6	4
89	Competence of Swine Oocytes Matured by Three-dimensional Gonadotropin-free Co-culture. <i>Veterinary Research Communications</i> , 2007, 31, 181-184.	0.6	3
90	A single insemination intervention in the sow with barium alginate-encapsulated boar semen. <i>Veterinary Research Communications</i> , 2008, 32, 147-149.	0.6	3

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91	Inverse Poly-High Internal Phase Emulsions Poly(HIPEs) Materials from Natural and Biocompatible Polysaccharides. <i>Materials</i> , 2020, 13, 5499.	1.3	3
92	A New Human Platelet Lysate for Mesenchymal Stem Cell Production Compliant with Good Manufacturing Practice Conditions Preserves the Chemical Characteristics and Biological Activity of Lyo-Secretome Isolated by Ultrafiltration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4318.	1.8	3
93	Bioencapsulation of Oocytes and Granulosa Cells. <i>Methods in Molecular Biology</i> , 2018, 1817, 89-93.	0.4	2
94	Alternative culture media and cold-drying for obtaining high biological value <i>Arthrospira platensis</i> (Cyanobacteria). <i>Phycologia</i> , 2021, 60, 237-246.	0.6	2