

Rossella Dorati

List of Publications by Year in descending order

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86
papers

2,537
citations

293460

24
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263392

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all docs

88
docs citations

88
times ranked

3673
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and optimization of 3D-bioprinted scaffold framework based on a new natural polymeric bioink. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 57-66.	1.2	1
2	Shape-Memory Polymers Hallmarks and Their Biomedical Applications in the Form of Nanofibers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1290.	1.8	27
3	Engineered Full Thickness Electrospun Scaffold for Esophageal Tissue Regeneration: From In Vitro to In Vivo Approach. <i>Pharmaceutics</i> , 2022, 14, 252.	2.0	3
4	CD44-Targeted Carriers: The Role of Molecular Weight of Hyaluronic Acid in the Uptake of Hyaluronic Acid-Based Nanoparticles. <i>Pharmaceutics</i> , 2022, 15, 103.	1.7	20
5	A Design of Experiment (DOE) approach to correlate PLA-PCL electrospun fibers diameter and mechanical properties for soft tissue regeneration purposes. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 68, 103060.	1.4	8
6	Shape memory engineered scaffold (SMES) for potential repair of neural tube defects. <i>Reactive and Functional Polymers</i> , 2022, 173, 105223.	2.0	3
7	Design of epidermal growth factor immobilization on 3D biocompatible scaffolds to promote tissue repair and regeneration. <i>Scientific Reports</i> , 2021, 11, 2629.	1.6	15
8	Electrospun tubular vascular grafts to replace damaged peripheral arteries: A preliminary formulation study. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120198.	2.6	4
9	Microfluidic-assisted synthesis of multifunctional iodinated contrast agent polymeric nanoplatforms. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120447.	2.6	9
10	A study focused on macrophages modulation induced by the Polymeric Electrospun Matrices (EL-Ms) for application in tissue regeneration: In vitro proof of concept. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120712.	2.6	9
11	Tubular Electrospun Vancomycin-Loaded Vascular Grafts: Formulation Study and Physicochemical Characterization. <i>Polymers</i> , 2021, 13, 2073.	2.0	10
12	Manufacturing of 3D-Printed Microfluidic Devices for the Synthesis of Drug-Loaded Liposomal Formulations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8064.	1.8	31
13	Nanotechnology, a booster for the multitarget drug verteporfin. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102562.	1.4	2
14	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. <i>Pharmaceutics</i> , 2021, 13, 1341.	2.0	20
15	Hyaluronic Acid-Based Nanoparticles for Protein Delivery: Systematic Examination of Microfluidic Production Conditions. <i>Pharmaceutics</i> , 2021, 13, 1565.	2.0	12
16	Optimization of FDM 3D printing process parameters to produce haemodialysis curcumin-loaded vascular grafts. <i>Drug Delivery and Translational Research</i> , 2021, , 1.	3.0	1
17	Tobramycin Supplemented Small-Diameter Vascular Grafts for Local Antibiotic Delivery: A Preliminary Formulation Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13557.	1.8	5
18	The Effect of Process Parameters on Alignment of Tubular Electrospun Nanofibers for Tissue Regeneration Purposes. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101781.	1.4	26

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19	Skin Wound Healing Process and New Emerging Technologies for Skin Wound Care and Regeneration. <i>Pharmaceutics</i> , 2020, 12, 735.	2.0	569
20	High Efficiency Vibrational Technology (HEVT) for Cell Encapsulation in Polymeric Microcapsules. <i>Pharmaceutics</i> , 2020, 12, 469.	2.0	6
21	On-Chip Synthesis of Hyaluronic Acid-Based Nanoparticles for Selective Inhibition of CD44+ Human Mesenchymal Stem Cell Proliferation. <i>Pharmaceutics</i> , 2020, 12, 260.	2.0	19
22	Tissue Engineered Esophageal Patch by Mesenchymal Stromal Cells: Optimization of Electrospun Patch Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1764.	1.8	18
23	Preliminary investigation on a new natural based poly(γ -glutamic acid)/Chitosan bioink. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2718-2732.	1.6	23
24	Graphene Nanoplatelets for the Development of Reinforced PLA/PCL Electrospun Fibers as the Next-Generation of Biomedical Mats. <i>Polymers</i> , 2020, 12, 1390.	2.0	20
25	Biocompatible polymeric electrospun matrices: Micro-nanotopography effect on cell behavior. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49223.	1.3	16
26	Pirfenidone Ointment Modulates the Burn Wound Bed in C57BL/6 Mice by Suppressing Inflammatory Responses. <i>Inflammation</i> , 2019, 42, 45-53.	1.7	19
27	Microfluidic encapsulation method to produce stable liposomes containing iohexol. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101340.	1.4	13
28	Release Profile of Gentamicin Sulfate from Polylactide-co-Polycaprolactone Electrospun Nanofiber Matrices. <i>Pharmaceutics</i> , 2019, 11, 161.	2.0	38
29	Poly(γ -glutamic acid) based thermosetting hydrogels for injection: Rheology and functional parameters evaluation. <i>Reactive and Functional Polymers</i> , 2019, 140, 93-102.	2.0	16
30	Staggered Herringbone Microfluid Device for the Manufacturing of Chitosan/TPP Nanoparticles: Systematic Optimization and Preliminary Biological Evaluation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6212.	1.8	21
31	The safety of tattoo inks: Possible options for a common regulatory framework. <i>Science of the Total Environment</i> , 2019, 651, 634-637.	3.9	9
32	Design of copolymer PLA-PCL electrospun matrix for biomedical applications. <i>Reactive and Functional Polymers</i> , 2018, 124, 77-89.	2.0	65
33	Ivermectin controlled release implants based on poly-D, L-lactide and poly- ϵ -caprolactone. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 101-110.	1.4	12
34	Multivariate analysis for the optimization of microfluidics-assisted nanoprecipitation method intended for the loading of small hydrophilic drugs into PLGA nanoparticles. <i>International Journal of Pharmaceutics</i> , 2018, 536, 165-177.	2.6	69
35	The Microfluidic Technique and the Manufacturing of Polysaccharide Nanoparticles. <i>Pharmaceutics</i> , 2018, 10, 267.	2.0	73
36	Intra-Articular Formulation of GE11-PLGA Conjugate-Based NPs for Dexamethasone Selective Targeting—In Vitro Evaluation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2304.	1.8	17

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37	Development of a Topical 48-H Release Formulation as an Anti-scarring Treatment for Deep Partial-Thickness Burns. <i>AAPS PharmSciTech</i> , 2018, 19, 2264-2275.	1.5	12
38	Gentamicin Sulfate PEG-PLGA/PLGA-H Nanoparticles: Screening Design and Antimicrobial Effect Evaluation toward Clinic Bacterial Isolates. <i>Nanomaterials</i> , 2018, 8, 37.	1.9	40
39	Study on hydrophilicity and degradability of chitosan/poly(lactide-co-polycaprolactone) nanofibre blend electrospun membrane. <i>Carbohydrate Polymers</i> , 2018, 199, 150-160.	5.1	42
40	Emerging and re-emerging infectious disease in otorhinolaryngology. <i>Acta Otorhinolaryngologica Italica</i> , 2018, 38, S1-S106.	0.7	6
41	GE11 Peptide as an Active Targeting Agent in Antitumor Therapy: A Minireview. <i>Pharmaceutics</i> , 2018, 10, 2.	2.0	69
42	Hyaluronic Acid-Decorated Chitosan Nanoparticles for CD44-Targeted Delivery of Everolimus. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2310.	1.8	58
43	Design of a Bioabsorbable Multilayered Patch for Esophagus Tissue Engineering. <i>Macromolecular Bioscience</i> , 2017, 17, 1600426.	2.1	14
44	Natural based eumelanin nanoparticles functionalization and preliminary evaluation as carrier for gentamicin. <i>Reactive and Functional Polymers</i> , 2017, 114, 38-48.	2.0	16
45	Gentamicin-Loaded Thermosetting Hydrogel and Moldable Composite Scaffold: Formulation Study and Biologic Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1596-1607.	1.6	33
46	Polyethylene Glycol-Poly-Lactide-co-Glycolide Block Copolymer-Based Nanoparticles as a Potential Tool for Off-Label Use of N-Acetylcysteine in the Treatment of Diastrophic Dysplasia. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3631-3641.	1.6	11
47	Biodegradable Scaffolds for Bone Regeneration Combined with Drug-Delivery Systems in Osteomyelitis Therapy. <i>Pharmaceutics</i> , 2017, 10, 96.	1.7	120
48	Design of smart GE11-PLGA/PEG-PLGA blend nanoparticulate platforms for parenteral administration of hydrophilic macromolecular drugs: synthesis, preparation and in vitro/ex vivo characterization. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1112-1123.	2.6	31
49	CNA-loaded PLGA nanoparticles improve humoral response against <i>S. aureus</i> -mediated infections in a mouse model: subcutaneous vs. nasal administration strategy. <i>Journal of Microencapsulation</i> , 2016, 33, 750-762.	1.2	6
50	Formulation and in vitro characterization of a composite biodegradable scaffold as antibiotic delivery system and regenerative device for bone. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 35, 124-133.	1.4	14
51	Formulation and stability evaluation of 3D alginate beads potentially useful for cumulus oocyte complexes culture. <i>Journal of Microencapsulation</i> , 2016, 33, 137-145.	1.2	21
52	An experimental design approach to the preparation of pegylated poly(lactide-co-glycolide) gentamicin loaded microparticles for local antibiotic delivery. <i>Materials Science and Engineering C</i> , 2016, 58, 909-917.	3.8	29
53	Controlled delivery systems for tissue repair and regeneration. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 206-228.	1.4	23
54	Smart Biodegradable Nanoparticulate Materials: Poly-lactide-co-glycolide Functionalization with Selected Peptides. <i>Current Nanoscience</i> , 2016, 12, 347-356.	0.7	7

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55	InÂvitro characterization of an injectable in situ forming composite system for bone reconstruction. <i>Polymer Degradation and Stability</i> , 2015, 119, 151-158.	2.7	12
56	Stability Evaluation of Ivermectin-Loaded Biodegradable Microspheres. <i>AAPS PharmSciTech</i> , 2015, 16, 1129-1139.	1.5	11
57	Enhanced Degradation of Lactide-co-Glycolide Polymer with Basic Nucleophilic Drugs. <i>Advances in Pharmaceutics</i> , 2015, 2015, 1-10.	0.5	14
58	Effect of Hydration on Physicochemical Properties of End-Capped PLGA. <i>Advances in Biomaterials</i> , 2014, 2014, 1-9.	0.2	15
59	Amphiphilic inulin-dÎ±-tocopherol succinate (INVITE) bioconjugates for biomedical applications. <i>Carbohydrate Polymers</i> , 2014, 103, 46-54.	5.1	52
60	A Short Term Quality Control Tool for Biodegradable Microspheres. <i>AAPS PharmSciTech</i> , 2014, 15, 530-541.	1.5	18
61	Preparation and Characterization of an Advanced Medical Device for Bone Regeneration. <i>AAPS PharmSciTech</i> , 2014, 15, 75-82.	1.5	7
62	Design of 3D scaffolds for tissue engineering testing a tough polylactide-based graft copolymer. <i>Materials Science and Engineering C</i> , 2014, 34, 130-139.	3.8	23
63	Adhesive microbeads for the targeting delivery of anticaries agents of vegetable origin. <i>Food Chemistry</i> , 2013, 138, 898-904.	4.2	15
64	Sub-unit vaccine against <i>S. aureus</i> -mediated infections: Set-up of nano-sized polymeric adjuvant. <i>International Journal of Pharmaceutics</i> , 2013, 452, 390-401.	2.6	19
65	Microencapsulation of a hydrophilic model molecule through vibration nozzle and emulsion phase inversion technologies. <i>Journal of Microencapsulation</i> , 2013, 30, 559-570.	1.2	17
66	Design of 3D Hybrid Composite Scaffolds: Effect of Composition on Scaffold Structure and Cell Proliferation. <i>Macromolecular Symposia</i> , 2013, 334, 106-116.	0.4	3
67	Nanostructured Polymeric Functional Micelles for Drug Delivery Applications. <i>Macromolecular Symposia</i> , 2013, 334, 17-23.	0.4	14
68	Long-Term Effect of Gamma Irradiation on the Functional Properties and Cytocompatibility of Multiblock Co-Polymer Films. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 2223-2240.	1.9	11
69	Diaminobenzidine photoconversion is a suitable tool for tracking the intracellular location of fluorescently labelled nanoparticles at transmission electron microscopy. <i>European Journal of Histochemistry</i> , 2012, 56, 20.	0.6	40
70	Polymer Scaffolds for Bone Tissue Regeneration. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2011, , 259-285.	0.7	3
71	A preliminary study on the morphological and release properties of hydroxyapatiteâ€“alendronate composite materials. <i>Journal of Microencapsulation</i> , 2011, 28, 395-405.	1.2	14
72	Induction of an <i>in vitro</i> reversible hypometabolism through chitosan-based nanoparticles. <i>Journal of Microencapsulation</i> , 2011, 28, 229-239.	1.2	11

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73	Effect of porogen on the physico-chemical properties and degradation performance of PLGA scaffolds. <i>Polymer Degradation and Stability</i> , 2010, 95, 694-701.	2.7	57
74	Stem Cells Grown in Osteogenic Medium on PLGA, PLGA/HA, and Titanium Scaffolds for Surgical Applications. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-12.	1.8	29
75	Improved cell growth by Bio-Oss/PLA scaffolds for use as a bone substitute. <i>Technology and Health Care</i> , 2009, 16, 401-413.	0.5	17
76	Site-directed PEGylation as successful approach to improve the enzyme replacement in the case of prolidase. <i>International Journal of Pharmaceutics</i> , 2008, 358, 230-237.	2.6	22
77	$\hat{\text{I}}^3$ -Irradiation of PEGd,IPLA and PEG-PLGA Multiblock Copolymers: I. Effect of Irradiation Doses. <i>AAPS PharmSciTech</i> , 2008, 9, 718-25.	1.5	43
78	$\hat{\text{I}}^3$ -irradiation of PEGd,IPLA and PEG-PLGA Multiblock Copolymers: II. Effect of Oxygen and EPR Investigation. <i>AAPS PharmSciTech</i> , 2008, 9, 1110-1118.	1.5	23
79	Ex vivo evaluation of prolidase loaded chitosan nanoparticles for the enzyme replacement therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 58-65.	2.0	38
80	Polyethylenglycol-co-poly-D,L-lactide copolymer based microspheres: Preparation, characterization and delivery of a model protein. <i>Journal of Microencapsulation</i> , 2008, 25, 330-338.	1.2	16
81	Improved cell growth by Bio-Oss/PLA scaffolds for use as a bone substitute. <i>Technology and Health Care</i> , 2008, 16, 401-13.	0.5	12
82	Chitosan glutamate nanoparticles for protein delivery: Development and effect on prolidase stability. <i>Journal of Microencapsulation</i> , 2007, 24, 553-564.	1.2	44
83	Investigation of the degradation behaviour of poly(ethylene glycol-co-d,l-lactide) copolymer. <i>Polymer Degradation and Stability</i> , 2007, 92, 1660-1668.	2.7	44
84	Development of a peptide-containing chewing gum as a sustained release antiplaque antimicrobial delivery system. <i>AAPS PharmSciTech</i> , 2007, 8, E177-E185.	1.5	45
85	Surface characterization by atomic force microscopy of sterilized PLGA microspheres. <i>Journal of Microencapsulation</i> , 2006, 23, 123-133.	1.2	12
86	The effect of $\hat{\text{I}}^3$ -irradiation on PLGA/PEG microspheres containing ovalbumin. <i>Journal of Controlled Release</i> , 2005, 107, 78-90.	4.8	46