

Simona Mura

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7329343/publications.pdf>

Version: 2024-02-01

62
papers

9,337
citations

147566

31
h-index

123241

61
g-index

65
all docs

65
docs citations

65
times ranked

15985
citing authors

#	ARTICLE	IF	CITATIONS
1	Before in vivo studies: In vitro screening of sphingomyelin nanosystems using a relevant 3D multicellular pancreatic tumor spheroid model. <i>International Journal of Pharmaceutics</i> , 2022, 617, 121577.	2.6	9
2	When drug nanocarriers miss their target: extracellular diffusion and cell uptake are not enough to be effective. <i>Biomaterials Science</i> , 2021, 9, 5407-5414.	2.6	4
3	Gemcitabine Lipid Prodrugs: The Key Role of the Lipid Moiety on the Self-Assembly into Nanoparticles. <i>Bioconjugate Chemistry</i> , 2021, 32, 782-793.	1.8	9
4	Investigation of squalene-doxorubicin distribution and interactions within single cancer cell using Raman microspectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 35, 102404.	1.7	9
5	Gemcitabine lipid prodrug nanoparticles: Switching the lipid moiety and changing the fate in the bloodstream. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121076.	2.6	7
6	Squalenoyl-gemcitabine/edelfosine nanoassemblies: Anticancer activity in pediatric cancer cells and pharmacokinetic profile in mice. <i>International Journal of Pharmaceutics</i> , 2020, 582, 119345.	2.6	8
7	Dual delivery of nucleic acids and PEGylated-bisphosphonates via calcium phosphate nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 142-152.	2.0	20
8	Light sheet fluorescence microscopy versus confocal microscopy: in quest of a suitable tool to assess drug and nanomedicine penetration into multicellular tumor spheroids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 195-203.	2.0	56
9	Protein-functionalized nanoparticles derived from end-functional polymers and polymer prodrugs for crossing the blood-brain barrier. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 70-82.	2.0	26
10	Drug-Initiated Synthesis of Heterotelechelic Polymer Prodrug Nanoparticles for <i>in Vivo</i> Imaging and Cancer Cell Targeting. <i>Biomacromolecules</i> , 2019, 20, 2464-2476.	2.6	17
11	Structure-pDNA complexation and structure-cytotoxicity relationships of PEGylated, cationic aminoethyl-based polyacrylates with tunable topologies. <i>Polymer Chemistry</i> , 2019, 10, 1968-1977.	1.9	6
12	From poly(alkyl cyanoacrylate) to squalene as core material for the design of nanomedicines. <i>Journal of Drug Targeting</i> , 2019, 27, 470-501.	2.1	20
13	A new painkiller nanomedicine to bypass the blood-brain barrier and the use of morphine. <i>Science Advances</i> , 2019, 5, eaau5148.	4.7	61
14	Immunotoxicity of poly (lactic-co-glycolic acid) nanoparticles: influence of surface properties on dendritic cell activation. <i>Nanotoxicology</i> , 2019, 13, 606-622.	1.6	25
15	Heterotelechelic polymer prodrug nanoparticles: Adaptability to different drug combinations and influence of the dual functionalization on the cytotoxicity. <i>Journal of Controlled Release</i> , 2019, 295, 223-236.	4.8	21
16	Dexamethasone palmitate nanoparticles: An efficient treatment for rheumatoid arthritis. <i>Journal of Controlled Release</i> , 2019, 296, 179-189.	4.8	70
17	Aptamer-guided siRNA-loaded nanomedicines for systemic gene silencing in CD-44 expressing murine triple-negative breast cancer model. <i>Journal of Controlled Release</i> , 2018, 271, 98-106.	4.8	102
18	Low-Density Lipoproteins and Human Serum Albumin as Carriers of Squalenoylated Drugs: Insights from Molecular Simulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 585-591.	2.3	29

#	ARTICLE	IF	CITATIONS
19	Squalene versus cholesterol: Which is the best nanocarrier for the delivery to cells of the anticancer drug gemcitabine?. <i>Comptes Rendus Chimie</i> , 2018, 21, 974-986.	0.2	10
20	In Vivo FRET Imaging to Predict the Risk Associated with Hepatic Accumulation of Squalene-Based Prodrug Nanoparticles. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700830.	3.9	22
21	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 609-618.	1.7	109
22	Multicellular spheroid based on a triple co-culture: A novel 3D model to mimic pancreatic tumor complexity. <i>Acta Biomaterialia</i> , 2018, 78, 296-307.	4.1	179
23	A facile route to heterotelechelic polymer prodrug nanoparticles for imaging, drug delivery and combination therapy. <i>Journal of Controlled Release</i> , 2018, 286, 425-438.	4.8	22
24	Multicellular tumor spheroids: a relevant 3D model for the in vitro preclinical investigation of polymer nanomedicines. <i>Polymer Chemistry</i> , 2017, 8, 4947-4969.	1.9	161
25	Desmoplastic Reaction in 3D Pancreatic Cancer Tissues Suppresses Molecular Permeability. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700057.	3.9	19
26	Conjugation of squalene to gemcitabine as unique approach exploiting endogenous lipoproteins for drug delivery. <i>Nature Communications</i> , 2017, 8, 15678.	5.8	86
27	Circulating Lipoproteins: A Trojan Horse Guiding Squalenoylated Drugs to LDL-Accumulating Cancer Cells. <i>Molecular Therapy</i> , 2017, 25, 1596-1605.	3.7	39
28	Synthesis of a deuterated probe for the confocal Raman microscopy imaging of squalenoyl nanomedicines. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1127-1135.	1.3	8
29	How can nanomedicines overcome cellular-based anticancer drug resistance?. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5078-5100.	2.9	32
30	Simple Synthesis of Cladribine-Based Anticancer Polymer Prodrug Nanoparticles with Tunable Drug Delivery Properties. <i>Chemistry of Materials</i> , 2016, 28, 6266-6275.	3.2	30
31	In vitro investigation of multidrug nanoparticles for combined therapy with gemcitabine and a tyrosine kinase inhibitor: Together is not better. <i>Biochimie</i> , 2016, 130, 4-13.	1.3	6
32	Compared <i>in vivo</i> toxicity in mice of lung delivered biodegradable and non-biodegradable nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 292-302.	1.6	45
33	Lipid prodrug nanocarriers in cancer therapy. <i>Journal of Controlled Release</i> , 2015, 208, 25-41.	4.8	94
34	Lipid Conjugation of Endogenous Neuropeptides: Improved Biotherapy against Human Pancreatic Cancer. <i>Advanced Healthcare Materials</i> , 2015, 4, 1015-1022.	3.9	9
35	Synthesis and Cytotoxic Activity of Self-Assembling Squalene Conjugates of 3-((Pyrrol-2-yl)methylidene)-2,3-dihydro-1H-indol-2-one Anticancer Agents. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 202-212.		19
36	Peptide Conjugation: Before or After Nanoparticle Formation?. <i>Bioconjugate Chemistry</i> , 2014, 25, 1971-1983.	1.8	35

#	ARTICLE	IF	CITATIONS
37	Peptide-functionalized nanoparticles for selective targeting of pancreatic tumor. <i>Journal of Controlled Release</i> , 2014, 192, 29-39.	4.8	48
38	Lung Toxicity of Biodegradable Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 2852-2864.	0.5	25
39	Nanoparticles: Blood Components Interactions. , 2014, , 1-10.		3
40	Novel Isoprenoyl Nanoassembled Prodrug for Paclitaxel Delivery. <i>Bioconjugate Chemistry</i> , 2013, 24, 1840-1849.	1.8	40
41	Stimuli-responsive nanocarriers for drug delivery. <i>Nature Materials</i> , 2013, 12, 991-1003.	13.3	5,084
42	Rational design for multifunctional non-liposomal lipid-based nanocarriers for cancer management: theory to practice. <i>Journal of Nanobiotechnology</i> , 2013, 11, S6.	4.2	29
43	Degradable and Comb-Like PEG-Based Copolymers by Nitroxide-Mediated Radical Ring-Opening Polymerization. <i>Biomacromolecules</i> , 2013, 14, 3769-3779.	2.6	87
44	Facile Synthesis of Multicompartment Micelles Based on Biocompatible Poly(ϵ -hydroxyalkanoate). <i>Macromolecular Rapid Communications</i> , 2013, 34, 362-368.	2.0	32
45	Design, functionalization strategies and biomedical applications of targeted biodegradable/biocompatible polymer-based nanocarriers for drug delivery. <i>Chemical Society Reviews</i> , 2013, 42, 1147-1235.	18.7	1,104
46	Polyisoprenoyl gemcitabine conjugates self assemble as nanoparticles, useful for cancer therapy. <i>Cancer Letters</i> , 2013, 334, 346-353.	3.2	65
47	Improving Oral Bioavailability and Pharmacokinetics of Liposomal Metformin by Glycerolphosphate ϵ -Chitosan Microcomplexation. <i>AAPS PharmSciTech</i> , 2013, 14, 485-496.	1.5	41
48	Penetration enhancer-containing vesicles (PEVs) as carriers for cutaneous delivery of minoxidil: <i>in vitro</i> evaluation of drug permeation by infrared spectroscopy. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 1339-1345.	1.1	29
49	Targeted Delivery Using Biodegradable Polymeric Nanoparticles. , 2012, , 255-288.		6
50	Nanotheranostics for personalized medicine. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1394-1416.	6.6	408
51	Near infrared labeling of PLGA for in vivo imaging of nanoparticles. <i>Polymer Chemistry</i> , 2012, 3, 694.	1.9	39
52	Versatile and Efficient Targeting Using a Single Nanoparticulate Platform: Application to Cancer and Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5866-5879.	7.3	127
53	Transcutol containing vesicles for topical delivery of minoxidil. <i>Journal of Drug Targeting</i> , 2011, 19, 189-196.	2.1	58
54	Biodegradable Nanoparticles Meet the Bronchial Airway Barrier: How Surface Properties Affect Their Interaction with Mucus and Epithelial Cells. <i>Biomacromolecules</i> , 2011, 12, 4136-4143.	2.6	91

#	ARTICLE	IF	CITATIONS
55	Influence of surface charge on the potential toxicity of PLGA nanoparticles towards Calu-3 cells. <i>International Journal of Nanomedicine</i> , 2011, 6, 2591.	3.3	108
56	Chitosomes as drug delivery systems for C-phycocyanin: Preparation and characterization. <i>International Journal of Pharmaceutics</i> , 2010, 392, 92-100.	2.6	68
57	Facile Synthesis of Innocuous Comb-Shaped Polymethacrylates with PEG Side Chains by Nitroxide-Mediated Radical Polymerization in Hydroalcoholic Solutions. <i>Macromolecules</i> , 2010, 43, 9291-9303.	2.2	70
58	Penetration enhancer-containing vesicles (PEVs) as carriers for cutaneous delivery of minoxidil. <i>International Journal of Pharmaceutics</i> , 2009, 380, 72-79.	2.6	139
59	Development and characterization of liposomes containing glycols as carriers for diclofenac. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 342, 53-58.	2.3	92
60	Composite soy lecithin- ϵ -decylpolyglucoside vesicles: A theoretical and experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 175-179.	2.3	5
61	An approach to rheological and electrokinetic behaviour of lipidic vesicles covered with chitosan biopolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 149-154.	2.3	19
62	Liposomes and niosomes as potential carriers for dermal delivery of minoxidil. <i>Journal of Drug Targeting</i> , 2007, 15, 101-108.	2.1	88