

# Loredana Serpe

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

2,102  
citations

236925

25  
h-index

265206

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclodextrin-based nanospheres encapsulating camptothecin: Physicochemical characterization, stability and cytotoxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 193-201.	4.3	263
2	Cytotoxicity of anticancer drugs incorporated in solid lipid nanoparticles on HT-29 colorectal cancer cell line. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 673-680.	4.3	152
3	Recent Developments in Antibacterial Therapy: Focus on Stimuli-Responsive Drug-Delivery Systems and Therapeutic Nanoparticles. <i>Molecules</i> , 2019, 24, 1991.	3.8	134
4	Biomedical Applications of Reactive Oxygen Species Generation by Metal Nanoparticles. <i>Materials</i> , 2021, 14, 53.	2.9	108
5	Application of lipid nanoparticles to ocular drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1743-1757.	5.0	105
6	Pharmacological Inhibition of NLRP3 Inflammasome Attenuates Myocardial Ischemia/Reperfusion Injury by Activation of RISK and Mitochondrial Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	4.0	97
7	Plasma concentrations of 5-fluorouracil and its metabolites in colon cancer patients. <i>Pharmacological Research</i> , 2004, 50, 173-179.	7.1	88
8	EXPRESSION OF CYP3A ISOFORMS AND P-glycoprotein IN HUMAN STOMACH, JEJUNUM AND ILEUM. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 1138-1144.	1.9	82
9	Formulation of curcumin-loaded solid lipid nanoparticles produced by fatty acids coacervation technique. <i>Journal of Microencapsulation</i> , 2011, 28, 537-548.	2.8	80
10	Sonodynamic antimicrobial chemotherapy: First steps towards a sound approach for microbe inactivation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 150, 44-49.	3.8	71
11	Enhanced selective sonosensitizing efficacy of ultrasound-based anticancer treatment by targeted gold nanoparticles. <i>Nanomedicine</i> , 2016, 11, 3053-3070.	3.3	70
12	Nanosonotechnology: the next challenge in cancer sonodynamic therapy. <i>Nanotechnology Reviews</i> , 2012, 1, 173-182.	5.8	63
13	Insight into ultrasound-mediated reactive oxygen species generation by various metal-porphyrin complexes. <i>Free Radical Biology and Medicine</i> , 2018, 121, 190-201.	2.9	60
14	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. <i>Nanomedicine</i> , 2015, 10, 3483-3494.	3.3	57
15	Targeting the NLRP3 inflammasome to Reduce Diet-induced Metabolic Abnormalities in Mice. <i>Molecular Medicine</i> , 2015, 21, 1025-1037.	4.4	47
16	Solid lipid nanoparticles delivering anti-inflammatory drugs to treat inflammatory bowel disease: Effects in an <i>in vivo</i> model. <i>World Journal of Gastroenterology</i> , 2017, 23, 4200.	3.3	47
17	Methodological aspects and pharmacological applications of three-dimensional cancer cell cultures and organoids. <i>Life Sciences</i> , 2020, 254, 117784.	4.3	47
18	Prevalingly Cationic Agmatine-Based Amphoteric Polyamidoamine as a Nontoxic, Nonhemolytic, and "Stealthlike" DNA Complexing Agent and Transfection Promoter. <i>Biomacromolecules</i> , 2007, 8, 1498-1504.	5.4	44

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19	Thiopurine <i>S</i> -methyltransferase pharmacogenetics in a large-scale healthy Italian/Caucasian population: differences in enzyme activity. <i>Pharmacogenomics</i> , 2009, 10, 1753-1765.	1.3	41
20	Solid lipid nanoparticles as anti-inflammatory drug delivery system in a human inflammatory bowel disease whole-blood model. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 428-436.	4.0	41
21	Methotrexate-loaded SLNs prepared by coacervation technique: <i>in vitro</i> cytotoxicity and <i>in vivo</i> pharmacokinetics and biodistribution. <i>Nanomedicine</i> , 2011, 6, 1561-1573.	3.3	40
22	Cholesteryl butyrate solid lipid nanoparticles inhibit the adhesion and migration of colon cancer cells. <i>British Journal of Pharmacology</i> , 2012, 166, 587-601.	5.4	37
23	Polymeric nanoparticles enhance the sonodynamic activity of meso-tetrakis (4-sulfonatophenyl) porphyrin in an <i>in vitro</i> neuroblastoma model. <i>International Journal of Nanomedicine</i> , 2013, 8, 4247.	6.7	37
24	Baclofen-loaded solid lipid nanoparticles: Preparation, electrophysiological assessment of efficacy, pharmacokinetic and tissue distribution in rats after intraperitoneal administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 135-141.	4.3	31
25	Intracellular Accumulation and Cytotoxicity of Doxorubicin with Different Pharmaceutical Formulations in Human Cancer Cell Lines. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3062-3069.	0.9	30
26	Nanoemulsions as Delivery Systems for Poly-Chemotherapy Aiming at Melanoma Treatment. <i>Cancers</i> , 2020, 12, 1198.	3.7	25
27	High energy shock waves (HESW) for sonodynamic therapy: effects on HT-29 human colon cancer cells. <i>Anticancer Research</i> , 2006, 26, 3337-42.	1.1	24
28	Targeted treatment of folate receptor-positive platinum-resistant ovarian cancer and companion diagnostics, with specific focus on vintafolide and etarfolatide. <i>Pharmacogenomics and Personalized Medicine</i> , 2014, 7, 31.	0.7	20
29	Sonodynamic treatment as an innovative bimodal anticancer approach: shock wave-mediated tumor growth inhibition in a syngeneic breast cancer model. <i>Discovery Medicine</i> , 2015, 20, 197-205.	0.5	20
30	Cholesteryl butyrate solid lipid nanoparticles as a butyric acid pro-drug: effects on cell proliferation, cell-cycle distribution and c-myc expression in human leukemic cells. <i>Anti-Cancer Drugs</i> , 2004, 15, 525-536.	1.4	19
31	The bright side of sound: perspectives on the biomedical application of sonoluminescence. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1114-1121.	2.9	17
32	Pharmacogenetics of drug-metabolizing enzymes in Italian populations. <i>Drug Metabolism and Personalized Therapy</i> , 2015, 30, 107-120.	0.6	14
33	Biological Effect Evaluation of Glutathione-Responsive Cyclodextrin-Based Nanosponges: 2D and 3D Studies. <i>Molecules</i> , 2020, 25, 2775.	3.8	13
34	Ultrasound Triggers Hypericin Activation Leading to Multifaceted Anticancer Activity. <i>Pharmaceutics</i> , 2022, 14, 1102.	4.5	12
35	Sonodynamic Treatment Induces Selective Killing of Cancer Cells in an <i>In Vitro</i> Co-Culture Model. <i>Cancers</i> , 2021, 13, 3852.	3.7	11
36	The Effective Combination between 3D Cancer Models and Stimuli-Responsive Nanoscale Drug Delivery Systems. <i>Cells</i> , 2021, 10, 3295.	4.1	10

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37	Solid Lipid Nanoparticles Carrying Oligonucleotides Inhibit Vascular Endothelial Growth Factor Expression in Rat Glioma Models. <i>Journal of Nanoneuroscience</i> , 2009, 1, 65-74.	0.5	9
38	Selective sensitiveness of mesenchymal stem cells to shock waves leads to anticancer effect in human cancer cell co-cultures. <i>Life Sciences</i> , 2017, 173, 28-35.	4.3	8
39	SWCNTâ€“porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications. <i>RSC Advances</i> , 2020, 10, 21736-21744.	3.6	8
40	Exploiting Lipid and Polymer Nanocarriers to Improve the Anticancer Sonodynamic Activity of Chlorophyll. <i>Pharmaceutics</i> , 2020, 12, 605.	4.5	6
41	Exploiting Shock Waves to Trigger the Anticancer Sonodynamic Activity of 5-Aminolevulinic Acid-Derived Protoporphyrin IX on In Vitro 2D and 3D Cancer Models. <i>Biomedicines</i> , 2022, 10, 615.	3.2	5
42	Ocular delivery of solid lipid nanoparticles. , 2018, , 269-312.		4
43	5-Aminolevulinic Acid Triggered by Ultrasound Halts Tumor Proliferation in a Syngeneic Model of Breast Cancer. <i>Pharmaceutics</i> , 2021, 14, 972.	3.8	1
44	Enabling technologies for the preparation of multifunctional â€•for nanomedicine. <i>Bulletin of Russian State Medical University</i> , 2019, , 134-143.	0.2	0