Loredana Serpe

List of Publications by Year
in descending order

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	Exploiting Shock Waves to Trigger the Anticancer Sonodynamic Activity of 5-Aminolevulinc Acid-Derived Protoporphyrin IX on In Vitro 2D and 3D Cancer Models. Biomedicines, 2022, 10, 615.	3.2	5
2	Ultrasound Triggers Hypericin Activation Leading to Multifaceted Anticancer Activity. Pharmaceutics, 2022, 14, 1102.	4.5	12
3	Sonodynamic Treatment Induces Selective Killing of Cancer Cells in an In Vitro Co-Culture Model. Cancers, 2021, 13, 3852.	3.7	11
4	5-Aminolevulinic Acid Triggered by Ultrasound Halts Tumor Proliferation in a Syngeneic Model of Breast Cancer. Pharmaceuticals, 2021, 14, 972.	3.8	1
5	Biomedical Applications of Reactive Oxygen Species Generation by Metal Nanoparticles. Materials, 2021, 14, 53.	2.9	108
6	The Effective Combination between 3D Cancer Models and Stimuli-Responsive Nanoscale Drug Delivery Systems. Cells, 2021, 10, 3295.	4.1	10
7	The bright side of sound: perspectives on the biomedical application of sonoluminescence. Photochemical and Photobiological Sciences, 2020, 19, 1114-1121.	2.9	17
8	Methodological aspects and pharmacological applications of three-dimensional cancer cell cultures and organoids. Life Sciences, 2020, 254, 117784.	4.3	47
9	Nanoemulsions as Delivery Systems for Poly-Chemotherapy Aiming at Melanoma Treatment. Cancers, 2020, 12, 1198.	3.7	25
10	SWCNTâ€“porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications. RSC Advances, 2020, 10, 21736-21744.	3.6	8
11	Biological Effect Evaluation of Glutathione-Responsive Cyclodextrin-Based Nanosponges: 2D and 3D Studies. Molecules, 2020, 25, 2775.	3.8	13
12	Exploiting Lipid and Polymer Nanocarriers to Improve the Anticancer Sonodynamic Activity of Chlorophyll. Pharmaceutics, 2020, 12, 605.	4.5	6
13	Recent Developments in Antibacterial Therapy: Focus on Stimuli-Responsive Drug-Delivery Systems and Therapeutic Nanoparticles. Molecules, 2019, 24, 1991.	3.8	134
14	Enabling technologies for the preparation of multifunctional â€œbulletsâ€•for nanomedicine. Bulletin of Russian State Medical University, 2019, , 134-143.	0.2	0
15	Insight into ultrasound-mediated reactive oxygen species generation by various metal-porphyrin complexes. Free Radical Biology and Medicine, 2018, 121, 190-201.	2.9	60
16	Ocular delivery of solid lipid nanoparticles. , 2018, , 269-312.		4
17	Selective sensitiveness of mesenchymal stem cells to shock waves leads to anticancer effect in human cancer cell co-cultures. Life Sciences, 2017, 173, 28-35.	4.3	8
18	Solid lipid nanoparticles delivering anti-inflammatory drugs to treat inflammatory bowel disease: Effects in anin vivomodel. World Journal of Gastroenterology, 2017, 23, 4200.	3.3	47

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19	Pharmacological Inhibition of NLRP3 Inflammasome Attenuates Myocardial Ischemia/Reperfusion Injury by Activation of RISK and Mitochondrial Pathways. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-11.	4.0	97
20	Enhanced selective sonosensitizing efficacy of ultrasound-based anticancer treatment by targeted gold nanoparticles. Nanomedicine, 2016, 11, 3053-3070.	3.3	70
21	Application of lipid nanoparticles to ocular drug delivery. Expert Opinion on Drug Delivery, 2016, 13, 1743-1757.	5.0	105
22	Targeting the NLRP3 inflammasome to Reduce Diet-induced Metabolic Abnormalities in Mice. Molecular Medicine, 2015, 21, 1025-1037.	4.4	47
23	Sonodynamic antimicrobial chemotherapy: First steps towards a sound approach for microbe inactivation. Journal of Photochemistry and Photobiology B: Biology, 2015, 150, 44-49.	3.8	71
24	Pharmacogenetics of drug-metabolizing enzymes in Italian populations. Drug Metabolism and Personalized Therapy, 2015, 30, 107-120.	0.6	14
25	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. Nanomedicine, 2015, 10, 3483-3494.	3.3	57
26	Sonodynamic treatment as an innovative bimodal anticancer approach: shock wave-mediated tumor growth inhibition in a syngeneic breast cancer model. Discovery Medicine, 2015, 20, 197-205.	0.5	20
27	Targeted treatment of folate receptor-positive platinum-resistant ovarian cancer and companion diagnostics, with specific focus on vintafolide and etarfolatide. Pharmacogenomics and Personalized Medicine, 2014, 7, 31.	0.7	20
28	Polymeric nanoparticles enhance the sonodynamic activity of meso-tetrakis (4-sulfonatophenyl) porphyrin in an in vitro neuroblastoma model. International Journal of Nanomedicine, 2013, 8, 4247.	6.7	37
29	Nanosonotechnology: the next challenge in cancer sonodynamic therapy. Nanotechnology Reviews, 2012, 1, 173-182.	5.8	63
30	Cholesteryl butyrate solid lipid nanoparticles inhibit the adhesion and migration of colon cancer cells. British Journal of Pharmacology, 2012, 166, 587-601.	5.4	37
31	Formulation of curcumin-loaded solid lipid nanoparticles produced by fatty acids coacervation technique. Journal of Microencapsulation, 2011, 28, 537-548.	2.8	80
32	Baclofen-loaded solid lipid nanoparticles: Preparation, electrophysiological assessment of efficacy, pharmacokinetic and tissue distribution in rats after intraperitoneal administration. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 135-141.	4.3	31
33	Methotrexate-loaded SLNs prepared by coacervation technique: in vitro cytotoxicity and in vivo pharmacokinetics and biodistribution. Nanomedicine, 2011, 6, 1561-1573.	3.3	40
34	Solid lipid nanoparticles as anti-inflammatory drug delivery system in a human inflammatory bowel disease whole-blood model. European Journal of Pharmaceutical Sciences, 2010, 39, 428-436.	4.0	41
35	Cyclodextrin-based nanosponges encapsulating camptothecin: Physicochemical characterization, stability and cytotoxicity. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 193-201.	4.3	263
36	Thiopurine S-methyltransferase pharmacogenetics in a large-scale healthy Italianâ€“Caucasian population: differences in enzyme activity. Pharmacogenomics, 2009, 10, 1753-1765.	1.3	41

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37	Solid Lipid Nanoparticles Carrying Oligonucleotides Inhibit Vascular Endothelial Growth Factor Expression in Rat Glioma Models. Journal of Nanoneuroscience, 2009, 1, 65-74.	0.5	9
38	Prevailingly Cationic Agmatine-Based Amphoteric Polyamidoamine as a Nontoxic, Nonhemolytic, and â€œStealthlikeâ€•DNA Complexing Agent and Transfection Promoter. Biomacromolecules, 2007, 8, 1498-1504.	5.4	44
39	EXPRESSION OF CYP3A ISOFORMS AND Pâ€GLYCOPROTEIN IN HUMAN STOMACH, JEJUNUM AND ILEUM. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 1138-1144.	1.9	82
40	Intracellular Accumulation and Cytotoxicity of Doxorubicin with Different Pharmaceutical Formulations in Human Cancer Cell Lines. Journal of Nanoscience and Nanotechnology, 2006, 6, 3062-3069.	0.9	30
41	High energy shock waves (HESW) for sonodynamic therapy: effects on HT-29 human colon cancer cells. Anticancer Research, 2006, 26, 3337-42.	1.1	24
42	Plasma concentrations of 5-fluorouracil and its metabolites in colon cancer patients. Pharmacological Research, 2004, 50, 173-179.	7.1	88
43	Cytotoxicity of anticancer drugs incorporated in solid lipid nanoparticles on HT-29 colorectal cancer cell line. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 673-680.	4.3	152
44	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. Anti-Cancer Drugs, 2004, 15, 525-536.	1.4	19