

# Maria LuÃ- sa Corvo

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,354  
citations

331538

21  
h-index

345118

36  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Anti-Inflammatory Activity Mediated by Flavonoids. <i>Current Medicinal Chemistry</i> , 2008, 15, 1586-1605.	1.2	168
2	Superoxide dismutase entrapped in long-circulating liposomes: formulation design and therapeutic activity in rat adjuvant arthritis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 227-236.	1.4	102
3	Intravenous administration of superoxide dismutase entrapped in long circulating liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1419, 325-334.	1.4	101
4	Multifunctional gold-nanoparticles: A nanovectorization tool for the targeted delivery of novel chemotherapeutic agents. <i>Journal of Controlled Release</i> , 2017, 245, 52-61.	4.8	64
5	Developments in the rat adjuvant arthritis model and its use in therapeutic evaluation of novel non-invasive treatment by SOD in Transfersomes. <i>Journal of Controlled Release</i> , 2005, 103, 419-434.	4.8	62
6	Enzymosomes with surface-exposed superoxide dismutase: In vivo behaviour and therapeutic activity in a model of adjuvant arthritis. <i>Journal of Controlled Release</i> , 2007, 117, 186-195.	4.8	61
7	Targeted and intracellular triggered delivery of therapeutics to cancer cells and the tumor microenvironment: impact on the treatment of breast cancer. <i>Breast Cancer Research and Treatment</i> , 2012, 133, 61-73.	1.1	54
8	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. <i>Toxicological Sciences</i> , 2017, 159, 422-435.	1.4	48
9	Subcutaneous administration of superoxide dismutase entrapped in long circulating liposomes: in vivo fate and therapeutic activity in an inflammation model. <i>Pharmaceutical Research</i> , 2000, 17, 600-606.	1.7	44
10	Technetium-99m labelled liposomes to image experimental arthritis. <i>Annals of the Rheumatic Diseases</i> , 1997, 56, 369-373.	0.5	41
11	Animal models of acute gastric mucosal injury: Macroscopic and microscopic evaluation. <i>Animal Models and Experimental Medicine</i> , 2019, 2, 121-126.	1.3	40
12	Enhanced contrast efficiency in MRI by PEGylated magnetoliposomes loaded with PEGylated SPION: Effect of SPION coating and micro-environment. <i>Materials Science and Engineering C</i> , 2014, 43, 521-526.	3.8	33
13	Liposomal Superoxide Dismutases and Their Use in the Treatment of Experimental Arthritis. <i>Methods in Enzymology</i> , 2005, 391, 395-413.	0.4	32
14	Superoxide Dismutase Enzymosomes: Carrier Capacity Optimization, in Vivo Behaviour and Therapeutic Activity. <i>Pharmaceutical Research</i> , 2015, 32, 91-102.	1.7	31
15	Liposomal formulations of Cu,Zn-superoxide dismutase: physico-chemical characterization and activity assessment in an inflammation model. <i>Journal of Controlled Release</i> , 1997, 43, 1-8.	4.8	30
16	Design and characterization of enzymosomes with surface-exposed superoxide dismutase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1609, 211-217.	1.4	30
17	All-in-one microfluidic assembly of insulin-loaded pH-responsive nano-in-microparticles for oral insulin delivery. <i>Biomaterials Science</i> , 2020, 8, 3270-3277.	2.6	28
18	Intranasal immunisation of mice against <i>Streptococcus equi</i> using positively charged nanoparticulate carrier systems. <i>Vaccine</i> , 2012, 30, 6551-6558.	1.7	25

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19	Targeting Cancer Resistance via Multifunctional Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5510.	1.8	24
20	One-step microfluidics production of enzyme-loaded liposomes for the treatment of inflammatory diseases. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111556.	2.5	23
21	New long circulating magnetoliposomes as contrast agents for detection of ischemia-reperfusion injuries by MRI. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 207-214.	1.7	22
22	Liposomal Nanosystems in Rheumatoid Arthritis. <i>Pharmaceutics</i> , 2021, 13, 454.	2.0	19
23	Pyrazoles as novel protein tyrosine phosphatase 1B (PTP1B) inhibitors: An in vitro and in silico study. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 1171-1182.	3.6	19
24	Liposomes as Delivery System of a Sn(IV) Complex for Cancer Therapy. <i>Pharmaceutical Research</i> , 2016, 33, 1351-1358.	1.7	18
25	Nano-based drug delivery systems used as vehicles to enhance polyphenols therapeutic effect for diabetes mellitus treatment. <i>Pharmacological Research</i> , 2021, 169, 105604.	3.1	17
26	Formulation of oryzalin (ORZ) liposomes: In vitro studies and in vivo fate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 281-290.	2.0	16
27	Production of nano-solid dispersions using a novel solvent-controlled precipitation process – Benchmarking their in vivo performance with an amorphous micro-sized solid dispersion produced by spray drying. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 203-214.	1.9	16
28	Therapeutic activity of superoxide dismutase-containing enzymosomes on rat liver ischaemia-reperfusion injury followed by magnetic resonance microscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 464-471.	1.9	16
29	Quercetin Liposomal Nanoformulation for Ischemia and Reperfusion Injury Treatment. <i>Pharmaceutics</i> , 2022, 14, 104.	2.0	15
30	Insights on the safety of carotenogenic <i>Chlorella vulgaris</i> in rodents. <i>Algal Research</i> , 2013, 2, 409-415.	2.4	14
31	Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. <i>Advances in Delivery Science and Technology</i> , 2014, , 425-452.	0.4	14
32	Inhalable hydrophilic molecule-loaded liposomal dry powder formulations using supercritical CO <sub>2</sub> assisted spray-drying. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 53, 101709.	3.3	11
33	Biochemical changes in arthritic rats: dehydroascorbic and ascorbic acid levels. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 18, 185-189.	1.9	10
34	Immortalization and characterization of a new canine mammary tumour cell line <sc>FR37-CMT</sc>. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 952-967.	0.8	9
35	Liposomes as Tools to Improve Therapeutic Enzyme Performance. <i>Pharmaceutics</i> , 2022, 14, 531.	2.0	9
36	Drug delivery nanosystems targeted to hepatic ischemia and reperfusion injury. <i>Drug Delivery and Translational Research</i> , 2021, 11, 397-410.	3.0	8

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37	Dry powder inhaler formulation of Cu,Zn-superoxide dismutase by spray drying: A proof-of-concept. Powder Technology, 2021, 389, 131-137.	2.1	8
38	Antagonist G-targeted liposomes for improved delivery of anticancer drugs in small cell lung carcinoma. International Journal of Pharmaceutics, 2022, 612, 121380.	2.6	8
39	Formulation of spray dried enzymes for dry powder inhalers: An integrated methodology. International Journal of Pharmaceutics, 2022, 615, 121492.	2.6	8
40	Current aspects of breast cancer therapy and diagnosis based on a nanocarrier approach. , 2017, , 749-774.		7
41	Optimization and Validation of an In Vitro Standardized Glycogen Phosphorylase Activity Assay. Molecules, 2021, 26, 4635.	1.7	7
42	An In Silico and an In Vitro Inhibition Analysis of Glycogen Phosphorylase by Flavonoids, Styrylchromones, and Pyrazoles. Nutrients, 2022, 14, 306.	1.7	6
43	Development of New Contrast Agents for Imaging Function and Metabolism by Magnetic Resonance Imaging. Magnetic Resonance Insights, 2017, 10, 1178623X1772213.	2.5	5
44	Regulatory Development of Nanotechnology-Based Vaccines. , 2017, , 393-410.		5
45	Dry powder inhaler formulation comparison: Study of the role of particle deposition pattern and dissolution. International Journal of Pharmaceutics, 2021, 607, 121025.	2.6	5
46	Gene Silencing using siRNA for Preventing Liver Ischaemia-Reperfusion Injury. Current Pharmaceutical Design, 2018, 24, 2692-2700.	0.9	5
47	Solid Dosage Forms of Biopharmaceuticals in Drug Delivery Systems Using Sustainable Strategies. Molecules, 2021, 26, 7653.	1.7	5
48	Prophylactic Use of Liposomal Amphotericin B in Preventing Fungal Infections Early After Liver Transplantation: A Retrospective, Single-Center Study. Transplantation Proceedings, 2014, 46, 3554-3559.	0.3	4
49	ASP-Enzymosomes with Saccharomyces cerevisiae Asparaginase II Expressed in Pichia pastoris: Formulation Design and In Vitro Studies of a Potential Antileukemic Drug. International Journal of Molecular Sciences, 2021, 22, 11120.	1.8	4
50	Liposil Nanocarriers for Pharmaceutical Applications: Synthesis Innovations. Journal of Nanomedicine & Nanotechnology, 2017, 08, .	1.1	2
51	Abstract A129: Targeted delivery of therapeutics to tumor cells and the tumor microenvironment. , 2009, , .		1
52	Targeting non-viral vectors to tumor cells and the tumor microenvironment. BMC Proceedings, 2010, 4, .	1.8	0
53	Microscopic Studies of Liver and Kidney in Mice Exposed to Silver Nanoparticles. Microscopy and Microanalysis, 2016, 22, 18-19.	0.2	0
54	Inflammatory Pathways and In Vivo Studies of Inflammatory Bowel Disease. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 1-23.	0.1	0

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55	Sphingolipid-Enriched Domains in Yeast: Biophysical Properties and Antifungal Interaction. Biophysical Journal, 2021, 120, 45a.	0.2	0
56	Insights on the Potential Preventive and Healing Effects of Flavonoids in Inflammatory Bowel Disease. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 38-66.	0.1	0
57	Abstract C233: Limiting tumor invasion with multifunctional nanoparticle targeting the tumor microenvironment.. , 2011, , .		0
58	Abstract 4521: A novel targeted triggered release nanoparticle against cancer cells of diverse histological origin.. , 2013, , .		0