

# Rogério S Gaspar

## List of Publications by Year in descending order

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43  
papers

5,020  
citations

159525

30  
h-index

289141

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

8060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomedicine(s) under the Microscope. <i>Molecular Pharmaceutics</i> , 2011, 8, 2101-2141.	2.3	815
2	Paclitaxel-loaded PLGA nanoparticles: preparation, physicochemical characterization and in vitro anti-tumoral activity. <i>Journal of Controlled Release</i> , 2002, 83, 273-286.	4.8	624
3	SARS-CoV-2 Variants and Vaccines. <i>New England Journal of Medicine</i> , 2021, 385, 179-186.	13.9	322
4	Considerations in boosting COVID-19 vaccine immune responses. <i>Lancet, The</i> , 2021, 398, 1377-1380.	6.3	267
5	Regulatory aspects on nanomedicines. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 504-510.	1.0	256
6	Polymeric carriers: Preclinical safety and the regulatory implications for design and development of polymer therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 1220-1231.	6.6	254
7	Immune system targeting by biodegradable nanoparticles for cancer vaccines. <i>Journal of Controlled Release</i> , 2013, 168, 179-199.	4.8	212
8	Gene delivery by negatively charged ternary complexes of DNA, cationic liposomes and transferrin or fusogenic peptides. <i>Gene Therapy</i> , 1998, 5, 955-964.	2.3	189
9	Mechanisms of gene transfer mediated by lipoplexes associated with targeting ligands or pH-sensitive peptides. <i>Gene Therapy</i> , 1999, 6, 1798-1807.	2.3	168
10	Mesenchymal Stem Cells Promote Mammosphere Formation and Decrease E-Cadherin in Normal and Malignant Breast Cells. <i>PLoS ONE</i> , 2010, 5, e12180.	1.1	148
11	Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. <i>Frontiers in Chemistry</i> , 2014, 2, 105.	1.8	147
12	Human serum albumin enhances DNA transfection by lipoplexes and confers resistance to inhibition by serum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1463, 459-469.	1.4	127
13	Use of the post-insertion technique to insert peptide ligands into pre-formed stealth liposomes with retention of binding activity and cytotoxicity. <i>Pharmaceutical Research</i> , 2002, 19, 265-269.	1.7	127
14	Steric stabilization of nanoparticles: Size and surface properties. <i>International Journal of Pharmaceutics</i> , 1996, 138, 1-12.	2.6	122
15	Interaction of cationic liposomes and their DNA complexes with monocytic leukemia cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1418, 71-84.	1.4	111
16	How to Regulate Nonbiological Complex Drugs (NBCD) and Their Follow-on Versions: Points to Consider. <i>AAPS Journal</i> , 2014, 16, 15-21.	2.2	101
17	Regulatory issues surrounding nanomedicines: setting the scene for the next generation of nanopharmaceuticals. <i>Nanomedicine</i> , 2007, 2, 143-147.	1.7	98
18	Poly(lactic acid)-based particulate systems are promising tools for immune modulation. <i>Acta Biomaterialia</i> , 2017, 48, 41-57.	4.1	96

#	ARTICLE	IF	CITATIONS
19	Targeting Stealth liposomes in a murine model of human small cell lung cancer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1515, 167-176.	1.4	88
20	Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. <i>Journal of Controlled Release</i> , 2017, 258, 182-195.	4.8	79
21	Gene delivery mediated by cationic liposomes: from biophysical aspects to enhancement of transfection. <i>Molecular Membrane Biology</i> , 1999, 16, 103-109.	2.0	73
22	Transfection of human macrophages by lipoplexes via the combined use of transferrin and pH-sensitive peptides. <i>Journal of Leukocyte Biology</i> , 1999, 65, 270-279.	1.5	70
23	Drug targeting with polyalkylcyanoacrylate nanoparticles: <i>in vitro</i> activity of primaquine-loaded nanoparticles against intracellular <i>Leishmania donovani</i> . <i>Annals of Tropical Medicine and Parasitology</i> , 1992, 86, 41-49.	1.6	65
24	Macrophage activation by polymeric nanoparticles of polyalkylcyanoacrylates: activity against intracellular <i>Leishmania donovani</i> associated with hydrogen peroxide production. <i>Pharmaceutical Research</i> , 1992, 09, 782-787.	1.7	56
25	Preclinical development of siRNA therapeutics: Towards the match between fundamental science and engineered systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 689-702.	1.7	48
26	Interaction between polyalkylcyanoacrylate nanoparticles and peritoneal macrophages: MTT metabolism, NBT reduction, and NO production. <i>Pharmaceutical Research</i> , 1997, 14, 73-79.	1.7	46
27	Pushed off target with proteins. <i>Nature Nanotechnology</i> , 2013, 8, 79-80.	15.6	45
28	A growth factor antagonist as a targeting agent for sterically stabilized liposomes in human small cell lung cancer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1514, 303-317.	1.4	40
29	Bridging communities in the field of nanomedicine. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 106, 187-196.	1.3	32
30	Towards a European Strategy for Medicines Research (2014-2020): The EUFEPS Position Paper on Horizon 2020. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 979-987.	1.9	31
31	Nanoparticles of polyisohexylcyanoacrylate (PIHCA) as carriers of primaquine: formulation, physico-chemical characterization and acute toxicity. <i>International Journal of Pharmaceutics</i> , 1991, 68, 111-119.	2.6	30
32	Development of enzyme-loaded nanoparticles: effect of pH. <i>Journal of Materials Science: Materials in Medicine</i> , 1996, 7, 413-414.	1.7	26
33	Successful Transfection of Lymphocytes by Ternary Lipoplexes. <i>Bioscience Reports</i> , 1999, 19, 601-609.	1.1	21
34	Liposomes as Delivery System of a Sn(IV) Complex for Cancer Therapy. <i>Pharmaceutical Research</i> , 2016, 33, 1351-1358.	1.7	18
35	Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. <i>Advances in Delivery Science and Technology</i> , 2014, , 425-452.	0.4	14
36	Modulation of Dendritic Cells by Nanotechnology-Based Immunotherapeutic Strategies. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 405-434.	0.5	13

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37	Enzyme-loaded PIBCA nanoparticles (SOD and I-ASNase): Optimization and characterization. International Journal of Pharmaceutics, 1996, 142, 75-84.	2.6	10
38	Optimization of protein loaded PLGA nanoparticle manufacturing parameters following a quality-by-design approach. RSC Advances, 2016, 6, 104502-104512.	1.7	7
39	Current aspects of breast cancer therapy and diagnosis based on a nanocarrier approach. , 2017, , 749-774.		7
40	Regulatory Development of Nanotechnology-Based Vaccines. , 2017, , 393-410.		5
41	An analytical methodology to quantify the incorporation of enzymes in polyalkylcyanoacrylate nanoparticles based on size exclusion chromatography. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 811-818.	1.4	4
42	Functional Moieties for Intracellular Traffic of Nanomaterials. , 2018, , 399-448.		4
43	Translational Peptide-associated Nanosystems: Promising Role as Cancer Vaccines. Current Topics in Medicinal Chemistry, 2015, 16, 291-313.	1.0	2