

Frederico Pittella

List of Publications by Year in descending order

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31
papers

1,370
citations

516681

16
h-index

434170

31
g-index

31
all docs

31
docs citations

31
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Polymeric Micelles for siRNA Treatment of Experimental Cancer by Intravenous Injection. ACS Nano, 2012, 6, 5174-5189.	14.6	186
2	Antioxidant and Cytotoxic Activities of Centella asiatica (L) Urb.. International Journal of Molecular Sciences, 2009, 10, 3713-3721.	4.1	162
3	Enhanced endosomal escape of siRNA-incorporating hybrid nanoparticles from calcium phosphate and PEG-block charge-conversional polymer for efficient gene knockdown with negligible cytotoxicity. Biomaterials, 2011, 32, 3106-3114.	11.4	157
4	Precise Engineering of siRNA Delivery Vehicles to Tumors Using Polyion Complexes and Gold Nanoparticles. ACS Nano, 2014, 8, 8979-8991.	14.6	126
5	Systemic siRNA delivery to a spontaneous pancreatic tumor model in transgenic mice by PEGylated calcium phosphate hybrid micelles. Journal of Controlled Release, 2014, 178, 18-24.	9.9	108
6	Pancreatic cancer therapy by systemic administration of VEGF siRNA contained in calcium phosphate/charge-conversional polymer hybrid nanoparticles. Journal of Controlled Release, 2012, 161, 868-874.	9.9	103
7	Dual Environment-Responsive Polyplex Carriers for Enhanced Intracellular Delivery of Plasmid DNA. Biomacromolecules, 2012, 13, 3641-3649.	5.4	58
8	Influence of Surfactant and Lipid Type on the Physicochemical Properties and Biocompatibility of Solid Lipid Nanoparticles. International Journal of Environmental Research and Public Health, 2014, 11, 8581-8596.	2.6	54
9	Multifunctional hybrid nanoparticles as magnetic delivery systems for siRNA targeting the HER2 gene in breast cancer cells. Materials Science and Engineering C, 2020, 109, 110555.	7.3	52
10	Fine-tuning of Charge-conversion Polymer Structure for Efficient Endosomal Escape of siRNA-loaded Calcium Phosphate Hybrid Micelles. Macromolecular Rapid Communications, 2014, 35, 1211-1215.	3.9	44
11	Magnetically responsive hybrid nanoparticles for in vitro siRNA delivery to breast cancer cells. Materials Science and Engineering C, 2019, 99, 1182-1190.	7.3	39
12	PEG-detachable cationic polyaspartamide derivatives bearing stearyl moieties for systemic siRNA delivery toward subcutaneous BxPC3 pancreatic tumor. Journal of Drug Targeting, 2012, 20, 33-42.	4.4	38
13	Centella asiatica water extract inhibits iPLA2 and cPLA2 activities in rat cerebellum. Phytomedicine, 2008, 15, 896-900.	5.3	37
14	Chemical composition and cytotoxicity activity of the essential oil of Pterodon emarginatus. Revista Brasileira De Farmacognosia, 2012, 22, 971-978.	1.4	23
15	Improved anti-Cutibacterium acnes activity of tea tree oil-loaded chitosan-poly(ϵ -caprolactone) core-shell nanocapsules. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111371.	5.0	23
16	Controlled release of resveratrol from lipid nanoparticles improves antioxidant effect. IFAC-PapersOnLine, 2018, 51, 16-21.	0.9	21
17	Genetic, reproductive and oxidative damage in mice triggered by co-exposure of nanoparticles: From a hypothetical scenario to a real concern. Science of the Total Environment, 2019, 660, 1264-1273.	8.0	18
18	Knockdown of antiapoptotic genes in breast cancer cells by siRNA loaded into hybrid nanoparticles. Nanotechnology, 2017, 28, 175101.	2.6	16

#	ARTICLE	IF	CITATIONS
19	Adjusting RT-qPCR conditions to avoid unspecific amplification in SARS-CoV-2 diagnosis. <i>International Journal of Infectious Diseases</i> , 2021, 102, 437-439.	3.3	16
20	Licochalcone A-loaded solid lipid nanoparticles improve antischistosomal activity in vitro and in vivo. <i>Nanomedicine</i> , 2021, 16, 1641-1655.	3.3	14
21	Synthesis and Antimicrobial Activity of Pyridine Derivatives Substituted at C-2 and C-6 Positions. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 149-153.	0.7	13
22	Nanostructured Lipid Carriers for the Formulation of Topical Anti-Inflammatory Nanomedicines Based on Natural Substances. <i>Pharmaceutics</i> , 2021, 13, 1454.	4.5	12
23	Nanomedicine strategies for addressing major needs in neglected tropical diseases. <i>Annual Reviews in Control</i> , 2019, 48, 423-441.	7.9	10
24	Screening antimycobacterial activity of <i>Baccharis dracunculifolia</i> , <i>Centella asiatica</i> , <i>Lantana camara</i> and <i>Pterodon emarginatus</i> . <i>Revista Brasileira De Plantas Medicinai</i> s, 2015, 17, 891-899.	0.3	8
25	Polymeric Micelles for siRNA Delivery. <i>Advances in Delivery Science and Technology</i> , 2013, , 161-184.	0.4	7
26	Neuroprotective Effect of siRNA Entrapped in Hyaluronic Acid-Coated Lipoplexes by Intravitreal Administration. <i>Pharmaceutics</i> , 2021, 13, 845.	4.5	7
27	Short interfering RNA delivered by a hybrid nanoparticle targeting VEGF: Biodistribution and anti-tumor effect. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129938.	2.4	6
28	Comparison of Rapid Nucleic Acid Extraction Methods for SARS-CoV-2 Detection by RT-qPCR. <i>Diagnostics</i> , 2022, 12, 601.	2.6	5
29	In vivo antiapoptotic gene silencing: hybrid nanoparticles as delivery system. <i>IFAC-PapersOnLine</i> , 2018, 51, 10-15.	0.9	4
30	Setting Precise Temperature for Triggered Release from Nanostructured Lipid Carriers. <i>IFAC-PapersOnLine</i> , 2018, 51, 1-6.	0.9	2
31	HOXB7 siRNA Delivered by Hybrid Nanoparticles and the Co-Therapy with Tamoxifen: Promising Strategy against Hormone Receptor-Positive Breast Cancer. <i>Materials Proceedings</i> , 2021, 4, 69.	0.2	1